Control Circuit Components Push Button Units and Indicator Lights

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Control and Signaling DevicesPush Button Units and Indicator Lights

16 mm mounting diameter, molded-plastic



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22 mm mounting diameter,



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SIRIUS 3SB3, metal round

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22 mm mounting diameter, molded-plastic



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26 mm x 26 mm mounting cutout, molded-plastic

and accessories



SIRIUS 3SB3, plastic square Page Selection and ordering data

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Communication-capable switching devices





SIRIUS 3SB3, plastic square Page

Selection and ordering data

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Control and Signaling Devices

Push Button Units and Indicator Lights

SIRIUS signal columns, built-in signal beacons and foot switches



3SE2, 3SE3 Foot Switches Page

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Standard duty control stations



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Type 7/9 hazardous location— 3/4"-14 NPSM



Class 51 Page

Selection and ordering data

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push buttons	10/135
 Cam selection guide 	10/138
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NEMA 30.5 mm mounting diameter, corrosion resistant, watertight & oiltight

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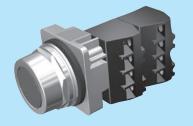


Class 52 Page

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30.5 mm heavy duty control stations, Type 4/4X/12/13 enclosures



Class 52 Selection and ordering data

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3SB2, Mounting Diameter 16 mm

General data

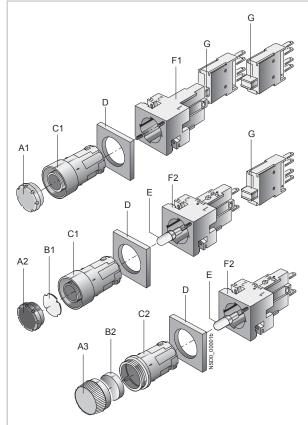
Overview

The 3SB2 push buttons and indicator lights are provided for front plate mounting and rear connection with flat connectors. For use on printed circuit boards, contact blocks and lamp holders with solder pins are also available.

Standards

IEC 60947-1, EN 60947-1, IEC 60947-5-1, EN 60947-5-1, IEC 60947-5-5, EN 60947-5-5 for EMERGENCY-STOP mush-room push buttons.

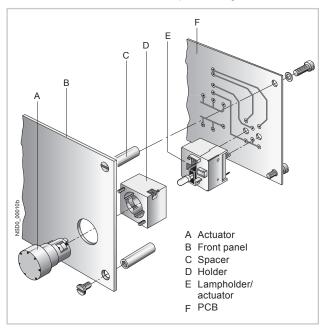
Version with flat connector



- A1 Button, flat
- A2 Illuminated button, flat
- A3 Screw lens for indicator light
- B1 Insert label, for labeling
- B2 Insert cap, for labeling
- C1 Collar with extruded front ring
- C2 Collar for indicator light
- D Frame for rectangular design
- E Wedge base lamp, W2 x 4.6d
- F1 Holders
- F2 Lampholder with holder
- G Contact blocks (1NO or 1NC) for snapping onto the holder or onto the lampholder

For PCB mounting

For use on printed circuit boards, special contact blocks and lamp holders for soldering into the printed circuit board are available. For this purpose, the contact blocks and lamp holders are fitted with $0.8~\text{mm} \times 0.8~\text{mm}$ solder pins of length 3.5~mm.



Connection methods

Flat connectors

Solder pin connections

The terminals are indicated in the corresponding tables by the symbols shown on blue backgrounds.

Application

The devices are climate-proof and suitable for marine applications.

Safety EMERGENCY-STOP push buttons according to ISO 13850

For controls according to IEC 60204-1 or EN 60204-1, the mushroom push buttons of the 3SB2 series are suitable for use as safety EMERGENCY-STOP push buttons.

Safety circuits

IEC 60947-5-1 and EN 60947-5-1 require positive opening, i.e. for the purposes of personal safety, the assured opening of NC contacts is expressly stipulated for the electrical equipment of machines in all safety circuits and marked according to IEC 60947-5-1 with the symbol \oplus .

Category 4 according to EN 954-1 can be attained with the EMERGENCY-STOP mushroom push buttons if the corresponding failsafe evaluation units are selected and correctly installed, e.g. the 3TK28 safety relays or matching units from the ASIsafe, SIMATIC or SINUMERIK product ranges.

General data

Technical specifications		
Туре		3SB2
Contact blocks and lamp holders		
Standards		IEC 60947-5-1, EN 60947-5-1 IEC 60947-5-5, EN 60947-5-5
Rated insulation voltage U _i	V	250
Conventional thermal current I _{th}	А	10
Rated operational current I_e at rated operational voltage U_e		
 Alternating current AC-12 At U_e = 24 230 V 	А	10
 Alternating current AC-15 At U_e = 24 230 V 	А	4
Direct current DC-12		
- At $U_{e} = 24 \text{ V}$	Α	6
- At $U_{\rm e} = 60 \rm V$	A	5
- At $U_e = 110 \text{ V}$ - At $U_e = 230 \text{ V}$	A A	2.5
• Direct current DC-13		'
- At $U_{\rm p} = 24$ V	А	3
- At $U_{\rm e} = 60 \text{ V}$	A	1.5
- At $U_{\rm e} = 110 \rm V$	Α	0.7
- At U _e = 230 V	Α	0.3
Contact stability		
Test voltage/test current		5 V/1 mA
Lamps		
• Bases		Wedge base W2×4.6 d
Rated voltage	V	6, 12, 24, 30, 48, 60
Rated power, max.	W	1
Short-circuit protection weld-free according to IEC 60947-5-1		40 A TD 40 A D
DIAZED fuse links, utilization category gG Ministers already by replace with Contractoristic according to IEC 60000.		10 A TDz, 16 A Dz
Miniature circuit breaker with C characteristic according to IEC 60898		10 A
Electrical endurance		10 × 10 ⁶ operating cycles
For utilization category AC-15 with 3RT10 15 to 3RT10 26 contactors		, , ,
Mechanical endurance		10×10^6 operating cycles
Degree of protection acc. to IEC 60529 Connection of contact blocks and lamp holders behind the front panel Contact chambers of the contact blocks behind the front panel		IP00 IP40
Finger-safe according to IEC 61140 and BGV A3		With voltages $>$ 50 V AC or 120 V DC, insulation sleeves must be fitted to the unassigned tab connections.
Data according to UL and CSA		
Rated voltage		
Contact blocks	V	250 AC
 Indicator light (lamp with wedge base W2×4.6 d) 	V	60; 1 W
Uninterrupted current	Α	5
Switching capacity		B 300, R 300
Actuators and indicators		
Mechanical endurance		
Push Buttons		10×10^6 operating cycles
Actuators, rotary or maintained		3×10^{5} operating cycles
Illuminated push buttons		3×10^6 operating cycles
Climatic withstand capability		Climate-proof; suitable for marine applications
Ambient temperature		
During operation, non-illuminated devices and complete with LED	°C	-25 +70
During operation, devices with incandescent lamp	°C	-25 +60
During storage, transport	°C	-40 +80
Degree of protection acc. to IEC 60529		lane.
Actuators and indicators Actuators and indicators with protective con-		IP65
Actuators and indicators with protective cap		IP67
Protective measures • For mounting in metal front plates and enclosures		The actuators and lens assemblies must not be included in the protective measures.
For fitting into enclosures with total insulation		The protective measure "Total insulation" is retained.
Shock resistance acc. to IEC 60068-2-27		
Shock amplitude		≤50 <i>g</i>
Shock duration	ms	11
Shock form		Half-sine

More technical information see Reference manual "Commanding and Signaling Devices".

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3SB2, Mounting Diameter 16 mm

General data

Configuration

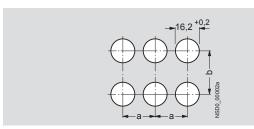
Design

Two design versions can be mounted:

- Round design: The 3SB2 push buttons and indicator lights are assembled with the modules – actuator, holder, contact block and lamp holder. Depending on the specific application, various versions can be assembled. Complete units are offered for the most commonly used applications.
- Square design: With square, black frames the round units can be given a square look. The frames are inserted underneath the round actuators. Further mounting is the same as for the round version.

Mounting and fixing:

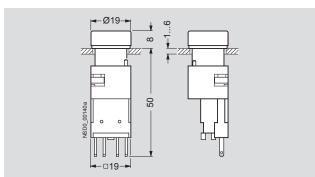
Mounting dimensions according to EN 50007 (not applicable to EMERGENCY-STOP mushroom push buttons)



Minimum clearance	а	b
Round version	19	19
Square version without inscription label	21	21
Round and square version with inscription label	21	32
For 2 selector switches with 3 switch positions, maintained, side by side	21	21

For mounting, the actuator or the lens assembly is inserted from the front into the hole in the front plate. Four small nubs ensure a secure fitting in the hole. The holder is plugged on from the back and snaps automatically into place. The module is fixed to the holder with 2 screws so that it is immune to vibrations.

One or two contact blocks can be mounted on the holder. They are inserted into the holder with slide slots and held down with two snap brackets.



Push button (flat) with holder and contact block

If a command point is fitted with an indicator light or illuminated push button, a lamp socket with lamp holder must be used instead of a holder. It is suitable for incandescent lamps or LEDs with bases of type $W2 \times 4.6d$.

For PCB mounting

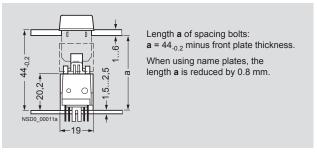
The command point comprises the actuator – e.g. 3SB2 push button, illuminated push button or indicator light –, which is mounted in the front plate, and a contact block and a lamp holder which are soldered to the PCB. For this purpose, the contact blocks and lamp holders are fitted with 0.8 mm \times 0.8 mm solder pins of length 3.5 mm.

Mounting and fixing:

Mounting dimensions according to EN 50007.

The actuators are mounted in the same way as 3SB2 front plate mounting devices.

The contact blocks and lamp holders are plugged into the printed circuit board by means of their solder pins and can be flow-soldered. After soldering, the devices must be flush with the board and perpendicular to it. The printed circuit board must be supported on spacing bolts so that it cannot sag or bend more than 0.1 mm.

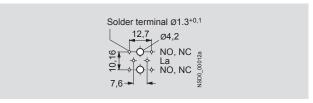


Illuminated push button with solder pin connection

To avoid bending the PCB when the control device is operated, sufficient spacing bolts must be provided as shown in the table below:

PCB thickness	Max. distance between spacing bolts
1.5 mm	80 mm
2.5 mm	150 mm
When using EMERGENCY-STOP push buttons	always 50 mm

These details are based on epoxy resin glass fiber mat.



Solder pin spacing

10/6

3SB2, Mounting Diameter 16 mm

Complete units

Selection and ordering data

	Version	Contact blocks	DT Color of handle	Flat connectors	PS
				Order No.	
	Push buttons with flat button	1 NO 1 NC 1 NC 1 NO 1 NO 1 NO 1 NO 1 NO 1 NO	Black Black Red Yellow Green Blue White Clear ¹⁾	3SB22 02-0AB01 3SB22 03-0AB01 3SB22 03-0AC01 3SB22 02-0AD01 3SB22 02-0AE01 3SB22 02-0AF01 3SB22 02-0AG01 3SB22 02-0AH01	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
Pushbutton with flat button	Illuminated push buttons with flat button Lamp holder W2 x 4.6 d ²⁾	1 NC 1 NO 1 NO 1 NO 1 NO	Red Yellow ¹⁾ Green Blue Clear ¹⁾	3SB22 07-0AC01 3SB22 06-0AD01 3SB22 06-0AE01 3SB22 06-0AF01 3SB22 06-0AH01	1 unit 1 unit 1 unit 1 unit 1 unit
Illuminated push button with raised button	Illuminated push buttons with flat button Lamp holder W2 x 4.6 d with incandescent lamp 24 V	1 NC 1 NO 1 NO 1 NO 1 NO	Red Yellow ¹⁾ Green Blue Clear ¹⁾	3SB22 27-0AC01 3SB22 26-0AD01 3SB22 26-0AE01 3SB22 26-0AF01 3SB22 26-0AH01	1 unit 1 unit 1 unit 1 unit 1 unit
	Push buttons with raised button	1 NO 1 NC 1 NO 1 NO 1 NO	Black Red Yellow Blue Clear ¹⁾	3SB22 02-0LB01 3SB22 03-0LC01 3SB22 02-0LD01 3SB22 02-0LF01 3SB22 02-0LH01	1 unit 1 unit 1 unit 1 unit 1 unit
	Illuminated push buttons with raised button Lamp holder W2 x 4.6 d ²⁾	1 NC 1 NO 1 NO 1 NO 1 NO	Red Yellow ¹⁾ Green Blue Clear ¹⁾	3SB22 07-0LC01 3SB22 06-0LD01 3SB22 06-0LE01 3SB22 06-0LF01 3SB22 06-0LH01	1 unit 1 unit 1 unit 1 unit 1 unit
	Illuminated push buttons with raised button Lamp holder W2 x 4.6 d with incandescent lamp 24 V	1 NC 1 NO 1 NO 1 NO 1 NO	Red Yellow ¹⁾ Green Blue Clear ¹⁾	3SB22 27-0LC01 3SB22 26-0LD01 3SB22 26-0LE01 3SB22 26-0LF01 3SB22 26-0LH01	1 unit 1 unit 1 unit 1 unit 1 unit
	EMERGENCY-STOP mushroom push buttons acc. to ISO 13850, maintained ³⁾	1 NC → 4)	Red	3SB22 03-1AC01	1 unit



EMERGENCY-STOP mushroom push button

maintained"
Latches automatically when pressed;
unlatches by turning the mushroom head
anticlockwise,
with yellow name plate,
with inscription "NOT-HALT"

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¹⁾ Inscription is possible by inserting a label.

 $^{^{2)}}$ For wedge base lamps see "Accessories", page 10/18.

³⁾ The mushroom push button cannot be combined with 3SB29 02-0AB name plate or 3SB29 02-0AA single frame.

⁴⁾ Positive opening according to IEC 60947-5-1, Appendix K.

Push Button Units and Indicator Lights 3SB2, Mounting Diameter 16 mm

Complete units

	Version		Contact blocks	Color of handle	DT	Flat connectors	PS
						Order No.	
Selector switch	Selector switches, 2 switch positions Switching sequence O-I, 62° operating angle, maintained O I		1 NO 1 NO 1 NO 1 NO	Black Red Green White		3SB22 02-2AB01 3SB22 02-2AC01 3SB22 02-2AE01 3SB22 02-2AG01	1 unit 1 unit 1 unit 1 unit
	Selector switches, 3 switch positions Switching sequence I-O-II, 2 × 62° operating angle, maintained		1 NO, 1 NO 1 NO, 1 NO 1 NO, 1 NO 1 NO, 1 NO 1 NO, 1 NO	Black Red Green White		3SB22 10-2DB01 3SB22 10-2DC01 3SB22 10-2DE01 3SB22 10-2DG01	1 unit 1 unit 1 unit 1 unit
	Selector switches, 3 switch positions Switching sequence I-O-II, 2 × 50° operating angle, moment Spring return from left and right	ary,	1 NO, 1 NO 1 NO, 1 NO 1 NO, 1 NO 1 NO, 1 NO	Black Red Green White		3SB22 10-2EB01 3SB22 10-2EC01 3SB22 10-2EE01 3SB22 10-2EG01	1 unit 1 unit 1 unit 1 unit
	Version	Contact	Lock No.	Key removal position	DT	Flat connectors	PS
						Order No.	
	CES key-operated switches, 2 switch positions Switching sequence O-I, 62° operating angle, maintained	1 NO 1 NO	SB2 SB2	O O + I		3SB22 02-4LA01 3SB22 02-4LB01	1 unit 1 unit
CES key-operated switch	CES key-operated switches, 3 switch positions Switching sequence I-O-II, 2 × 62° operating angle, maintained	1 NO, 1 NO 1 NO, 1 NO		O I + O + II		3SB22 10-4PA01 3SB22 10-4PB01	1 unit 1 unit
	CES key-operated switches, 3 switch positions Switching sequence I-O-II, 2 × 50° operating angle, momentary, Spring return from left and right	1 NO, 1 NO) SB2	0		3SB22 10-4QA01	1 unit
	Version	Color of screw lens			DT	Flat connectors	PS
		22.31.10110				Order No.	
	Indicator lights Lamp holder W2 x 4.6 d without lamp ¹⁾	Red Yellow Green White Clear				3SB22 04-6BC06 3SB22 04-6BD06 3SB22 04-6BE06 3SB22 04-6BG06 3SB22 04-6BH06	1 unit 1 unit 1 unit 1 unit 1 unit
Indicator light	Indicator lights Lamp holder W2 x 4.6 d with incandescent lamp 24 V	Red Yellow Green White Clear				3SB22 24-6BC06 3SB22 24-6BD06 3SB22 24-6BE06 3SB22 24-6BG06 3SB22 24-6BH06	1 unit 1 unit 1 unit 1 unit 1 unit

¹⁾ For wedge base lamps see "Accessories", page 10/18.

Actuators and indicators

Selection and orderin	g data				
	Version	Color of handle	DT	Order No.	PS
Push buttons					
	Push buttons with flat button	Black Red Yellow Green Blue White Clear ¹⁾		3SB20 00-0AB01 3SB20 00-0AC01 3SB20 00-0AD01 3SB20 00-0AE01 3SB20 00-0AF01 3SB20 00-0AG01 3SB20 00-0AH01	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
Push button and illuminated push button with flat button	Illuminated push buttons with flat button	Red Yellow ¹⁾ Green Blue White Clear ¹⁾		3SB20 01-0AC01 3SB20 01-0AD01 3SB20 01-0AE01 3SB20 01-0AF01 3SB20 00-0AG01 3SB20 00-0AH01	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
	Push buttons with raised button	Black Red Yellow Blue White Clear ¹⁾		3SB20 00-0LB01 3SB20 00-0LC01 3SB20 00-0LD01 3SB20 00-0LF01 3SB20 00-0LG01 3SB20 00-0LH01	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
Push button and illuminated push button with raised button	Illuminated push buttons with raised button	Red Yellow ¹⁾ Green Blue Clear ¹⁾		3SB20 01-0LC01 3SB20 01-0LD01 3SB20 01-0LE01 3SB20 01-0LF01 3SB20 00-0LH01	1 unit 1 unit 1 unit 1 unit 1 unit
	EMERGENCY-STOP mushroom push buttons acc. to ISO 13850, maintained ²⁾ Latches automatically when pressed; unlatches by turing the mushroom head anticlockwise	Red rn-		3SB20 00-1AC01	1 unit

¹⁾ Inscription is possible by inserting a label.

EMERGENCY-STOP mushroom push button

The mushroom push button cannot be combined with 3SB29 02-0AB name plate or 3SB29 02-0AA single frame.

	Version		Color of handle	DT	Order No.	PS
Selector switches						
	Selector switches with 2 switch positions Switching sequence O-I, 62° operating angle, maintained	°√l	Black Red Green White		3SB20 00-2AB01 3SB20 00-2AC01 3SB20 00-2AE01 3SB20 00-2AG01	1 unit 1 unit 1 unit 1 unit
Selector switch	Selector switches with 2 switch positions Switching sequence O-I, 50° operating angle, momentary, spring return from right	O^A	Black Red Green		3SB20 00-2BB01 3SB20 00-2BC01 3SB20 00-2BE01	1 unit 1 unit 1 unit
Selector Switch	Selector switches with 2 switch positions Switching sequence O-I, 90° operating angle, maintained		Black Red Green White		3SB20 00-2HB01 3SB20 00-2HC01 3SB20 00-2HE01 3SB20 00-2HG01	1 unit 1 unit 1 unit 1 unit
	Selector switches with 3 switch positions Switching sequence I-O-II, 2 x 62° operating angle, maintained		Black Red Green White		3SB20 00-2DB01 3SB20 00-2DC01 3SB20 00-2DE01 3SB20 00-2DG01	1 unit 1 unit 1 unit 1 unit
	Selector switches with 3 switch positions Switching sequence I-O-II, 2 x 50° operating angle, momentary, spring return from left and right		Black Red Green White		3SB20 00-2EB01 3SB20 00-2EC01 3SB20 00-2EE01 3SB20 00-2EG01	1 unit 1 unit 1 unit 1 unit
	Selector switches with 3 switch positions Switching sequence I-O-II, 2 x 90° operating angle, maintained		Black		3SB20 00-2JB01	1 unit

Push Button Units and Indicator Lights 3SB2, Mounting Diameter 16 mm

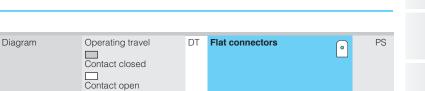
Actuators and indicators

	Version		Lock No.	Key removal position	DT	Order No.	PS
Key-operated switches							
Key-operated switches	CES key-operated switches with 2 keys, 2 switch positions Switching sequence O-I, 62° operating angle, maintained	°√ I	SB2	O+I O		3SB20 00-4LB01 3SB20 00-4LA01	1 unit 1 unit
CES key-operated switch	CES key-operated switches with 2 keys, 2 switch positions Switching sequence O-I, 50° operating angle, momentary, spring return from right	ON!	SB2	0		3SB20 00-4MA01	1 unit
	CES key-operated switches with 2 keys, 3 switch positions Switching sequence I-O-II, 2 x 62° operating angle, maintained		SB2	I+O+II O		3SB20 00-4PB01 3SB20 00-4PA01	1 unit 1 unit
	CES key-operated switches with 2 keys, 3 switch positions Switching sequence I-O-II, 2 x 50° operating angle, momentary, spring return from left and right		SB2	0		3SB20 00-4QA01	1 unit
	Version		Color of screw len	S	DT	Order No.	PS
Indicator lights							
	Indicator lights with concentric rings (inscription by inserting a cap is not po	ossible)	Red Yellow Green Blue White Clear			3SB20 01-6BC06 3SB20 01-6BD06 3SB20 01-6BE06 3SB20 01-6BF06 3SB20 01-6BG06 3SB20 01-6BH06	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
Indicator light	Indicator lights, smooth for inscription by inserting a cap 1)		Red Yellow Green Blue Clear			3SB20 01-6CC06 3SB20 01-6CD06 3SB20 01-6CE06 3SB20 01-6CF06 3SB20 01-6CH06	1 unit 1 unit 1 unit 1 unit 1 unit

¹⁾ Insert caps, see "Accessories", page 10/15

3SB2, Mounting Diameter 16 mm

Contact blocks and lampholders



Order No.

3SB23 04-2A

Contact blocks and lamp holders with flat connectors 2 x 2.8 - 0.8 mm according to IEC 60760

Lamp holders W2 x 4.6 d

without lamp

Version

Holders for fixing the actuator and the contact blocks

Selection and ordering data

Holders for 2 contact blocks Inscription with identification number 1-2

3SB29 08-0AA

5 units

1 unit

1 unit

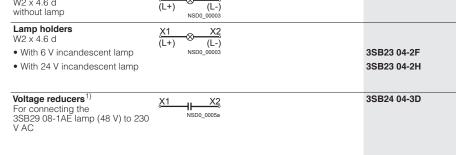
1 unit

1 unit

Holder







Lamp holders with holder for fixing the actuator and the contact blocks





Contact block

Contact blocks for fixing in the holder or lamp holder

Contact blocks with one contact²⁾

1 NO

1 NC → 3)

3SB24 04-0B

3SB24 04-0C

1 unit

1 unit

¹⁾ Use fixpoint terminal according to IEC 60439-1.

²⁾ For plug-in and insulation sleeves see "Accessories", page 10/19.

³⁾ Positive opening according to IEC 60947-5-1, Appendix K.

Push Button Units and Indicator Lights 3SB2, Mounting Diameter 16 mm

Contact blocks and lamp holders

	Version		Diagram	Operating travel Contact closed Contact open	DT	Solder pin LLI connections	PS			
						Order No.				
Contact blocks and	lamp holders with solder	pins_								
omarim semar semar	Holders for contact block w der pins For fixing the actuators in the panel	ith sol-				3SB29 08-0AB	5 units			
	Lamp holders Wedge base W2 x 4.6 d ¹⁾		(L+) X1			3SB24 55-2A	1 unit			
Holder					_					
	Contact blocks									
-1/	1 NO		⊢-\\	3-4 NSD0_00015 0 1 2 3 4 mm———————————————————————————————————		3SB24 55-0B	1 unit			
Contact block with solder pins	1 NC	→ 2)	.1 	1-2 NSD0_00017 0 1 2 3 4 mm		3SB24 55-0C	1 unit			
with solder pins	1 NO + 1 NC	→ 2)	13 21 	21-22 NSD0_00019 0 1 2 3 4 mm 1,6		3SB24 55-0J	1 unit			
	1 NO + 1 NO		13 23 	13-14 NSD0_00021 23-24		3SB24 55-0E	1 unit			
	1 NC + 1 NC	→ 2)	11 21 	21-22 11-12 0 1 2 3 4 mm 1,6		3SB24 55-0F	1 unit			
	Contact blocks and lamp holders, wedge base W2 x 4.6 d ¹⁾									
	1 NO		13 X1 	13-14 NSD0_01082 0 1 2 3 4 mm———————————————————————————————————		3SB24 55-1B	1 unit			
Contact block and lamp holder	1 NC	→ 2)	21 X1 /	21-22 NSD0_01083 0 1 2 3 4 mm 1,6		3SB24 55-1C	1 unit			
with solder pins	1 NO + 1 NC	→ 2)	13 21 X1 	21-22 NSD0_00019 0 1 2 3 4 mm 1,6		3SB24 55-1J	1 unit			
	1 NO + 1 NO		13 23 X1 	13-14 NSD0_00021 23-24 Nmm		3SB24 55-1E	1 unit			
	1 NC + 1 NC	→ 2)	11 21 X1 	21-22 11-12 0 1 2 3 4 mm 1,6		3SB24 55-1F	1 unit			

¹⁾ The lamp is not included in the scope of supply.

3SB2, Mounting Diameter 16 mm

Insert labels and insert caps

Overview

Clear push buttons, illuminated push buttons and indicator lights can be fitted with insert labels and caps for identification purposes.

The insert labels and insert caps are made of a milky-transparent plastic with black lettering; they can be fitted in any 90° angle.

Inscriptions

The inscriptions have upper case initial letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417.

For customized inscriptions see "Options".

Selection and ordering data

	9 *****					
	Inscription/Symbol		Symbol No.	DT	Insert labels For push buttons and illuminated push buttons, flat	PS
					Order No.	
For self-inscription						
	Blank				3SB29 01-4AA	10 units
With inscription						
Ein	On Start Stop Reset Test				3SB29 01-4EB 3SB29 01-4EK 3SB29 01-4EL 3SB29 01-4EM 3SB29 01-4EN	10 units 10 units 10 units 10 units 10 units
	0 1 2 3 4				3SB29 01-4RA 3SB29 01-4RB 3SB29 01-4RC 3SB29 01-4RD 3SB29 01-4RE	10 units 10 units 10 units 10 units 10 units
	5 6 7 8 9				3SB29 01-4RF 3SB29 01-4RG 3SB29 01-4RH 3SB29 01-4RJ 3SB29 01-4RK	10 units 10 units 10 units 10 units 10 units
Graphic ON/OFF syr	mbols					
	O (Off)	\bigcirc	5008 IEC		3SB29 01-4MB	10 units
	I (On)		5007 IEC		3SB29 01-4MC	10 units
	II (On)				3SB29 01-4MD	10 units

2

3

4

5

7

8

Push Button Units and Indicator Lights 3SB2, Mounting Diameter 16 mm

Insert labels and insert caps

	Inscription/Symbol		Symbol No.	DT	Insert labels For push buttons and illuminated push buttons, flat Order No.	PS
Graphic equi	pment symbols					
	Electric motor	1	0011 ISO		3SB29 01-4PA	10 units
	Horn		5014 IEC		3SB29 01-4PB	10 units
	Pump		0134 ISO		3SB29 01-4PD	10 units
		\bigcirc				
	Coolant pump		0355 ISO		3SB29 01-4PE	10 units
Graphic motion	on symbols					
	Motion in direction of arrow (straight)	\rightarrow	5022 IEC		3SB29 01-4NA	10 units
	Motion in direction of arrow (diagonal)	K			3SB29 01-4NB	10 units
	Clockwise rotation	~	0004 ISO		3SB29 01-4NC	10 units
	Anticlockwise rotation				3SB29 01-4ND	10 units
	Fast motion	ላሌ	0266 ISO		3SB29 01-4NE	10 units
	Increase (plus)		5005 IEC		3SB29 01-4NG	10 units
	Decrease (minus)	_	5006 IEC		3SB29 01-4MC	10 units
Graphic cont						
5	Clamp	> ←			3SB29 01-4QB	10 units
	Release	↔			3SB29 01-4QC	10 units
	Brake off	4 ○	0021 ISO		3SB29 01-4QE	10 units
	Lock	ղૌ⊩	0022 ISO		3SB29 01-4QF	10 units
	Unlock	1	0023 ISO		3SB29 01-4QG	10 units
	On/Off, momentary contact	$\overline{\oplus}$	5011 IEC		3SB29 01-4QJ	10 units
	Manual operation	The state of	0096 ISO		3SB29 01-4QK	10 units
	Automatic sequence	0	0017 ISO		3SB29 01-4QL	10 units
Customized i	nscriptions					
	Any inscription				3SB29 01-4AZ	
	1 line of text with up to 6 characters of 3 mm in Please add the appropriate order code to the		specify the line of	f	K0Y K1Y or K2Y	1 unit 1 unit
	text required.	Please add the appropriate order code to the Order No. and specify the line of text required.				
	Other graphic symbols	Other graphic symbols				
	Please add the order code "K3Y" to the Order	Please add the order code "K3Y" to the Order No. and specify the serial number and the applied standard (ISO 7000 or IEC 60417).				
	Any inscription or symbol	•			3SB29 01-4AZ	1 unit
	Please add the order code "K9Y" to the Order the symbol required.	No. and spec	ify the inscription o	or	К9Ү	

Push Button Units and Indicator Lights 3SB2, Mounting Diameter 16 mm

Insert labels and insert caps

	Inscription/Symbol		Symbol No.	DT	Insert caps For push buttons and illuminated push buttons, raised	PS
					Order No.	
For self-inscr	•					
	Blank				3SB29 01-5AA	10 units
With inscription						
Aus	On				3SB29 01-5EB	10 units
Ads	0 1				3SB29 01-5RA 3SB29 01-5RB	10 units 10 units
	2				3SB29 01-5RC	10 units
	3 4				3SB29 01-5RD 3SB29 01-5RE	10 units 10 units
	5				3SB29 01-5RF	10 units
	6 7				3SB29 01-5RG 3SB29 01-5RH	10 units 10 units
	8				3SB29 01-5RJ	10 units
Cuarkia ON/O	9				3SB29 01-5RK	10 units
Graphic ON/C			5008 IEC		20D20 04 FMD	10
	O (Off)	\bigcirc	5008 IEC		3SB29 01-5MB	10 units
	I (On)	1	5007 IEC		3SB29 01-5MC	10 units
	II (On)	\parallel			3SB29 01-5MD	10 units
Graphic motion	on symbols					
	Motion in direction of arrow	\rightarrow	5022 IEC		3SB29 01-5NA	10 units
	Motion in direction of arrow	K			3SB29 01-5NB	10 units
	Increase (plus)	+	5005 IEC		3SB29 01-5NG	10 units
	Decrease (minus)	<u>.</u>	5006 IEC		3SB29 01-5MC	10 units
Graphic contr	ol symbols					
	Clamp	→ ←			3SB29 01-5QB	10 units
	Release	< >			3SB29 01-5QC	10 units
Customized in	nscriptions					
	Any inscription				3SB29 01-5AZ	
	1 line of text with up to 6 characters of 3 mm in I Please add the appropriate order code to the O		specify the line of	f	KOY	1 unit
	text required.	1401 140. 4114	opeony the inte c		K1Y or K2Y K5Y	1 unit
	Other graphic symbols				3SB29 01-5AZ	1 unit 1 unit
	Please add the order code "K3Y" to the Order Notes and the applied standard (ISO 7000 or IEC	No. and spec 60417).	ify the serial num	-	K3Y	T GITTE
	Any inscription or symbol				3SB29 01-5AZ	1 unit
	Please add the order code "K9Y" to the Order N the symbol required.	Please add the order code "K9Y" to the Order No. and specify the inscription or				

3SB2, Mounting Diameter 16 mm

Insert labels and insert caps

	Inscription/Symbol		Symbol No.	DT	Insert caps For indicator lights	PS
					Order No.	
For self-inscription						
	Blank				3SB29 01-7AA	10 units
Graphic symbols						
	Pump	\bigcirc	0134 ISO		3SB29 01-7PD	10 units
	Manual operation	Lul.	0096 ISO		3SB29 01-7QK	10 units
Customized inscript	tions					
	Any inscription				3SB29 01-7AZ	
	1 line of text with up to 6 characters of 3 mm in height Please add the appropriate order code to the Order N		accifu the line of		KOY	1 unit
	text required.	vo. and sp	becity the line of		K1Y or K2Y	1 unit
					K5Y	1 unit
	Other graphic symbols				3SB29 01-7AZ	1 unit
	Please add the order code "K3Y" to the Order No. and ber and the applied standard (ISO 7000 or IEC 60417		the serial num-		КЗҮ	
	Any inscription or symbol				3SB29 01-7AZ	1 unit
	Please add the order code "K9Y" to the Order No. and the symbol required.	d specify	the inscription or		К9Ү	

Options

Customized inscriptions

Labels and caps can be inscribed with text and symbols not listed in the ordering data. Append the following codes to the Order No:

- Text line in upper/lower case, always upper case for beginning of line (e.g. "Lift"): KOY
- Text line in upper case (e.g. "LIFT"): K1Y
- Text line in lower case (e.g. "lift"): K2Y
- Text line in upper/lower case, all words begin with upper case letters (e.g. "Lift"): K5Y
- Symbol with number according to ISO 7000 or IEC 60417:
- Any inscription or symbols according to order form supplement: K9Y

When ordering, specify the required inscription in plain text in addition to the order number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language.

One line with up to 6 characters with 3 mm letter height is possible for the inscription (see ordering example 1).

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417 (see ordering examples 2 and 3).

For special symbols (order code K9Y), a CAD drawing in DXF format can be submitted.

Ordering example 1

3SB29 01-4AZ K1Y

Z = pump

Ordering example 2

3SB29 01-4AZ

K3Y

Z = 5008 IEC

Ordering example 3

3SB29 01-4AZ

K3Y

Z = 1118 ISO

3SB2, Mounting Diameter 16 mm

Name plates

Overview

The name plates consist of a black plastic label holder and an inscription label (silver with black print) for sticking in place.

Note mounting dimensions!

Inscriptions

The inscriptions (also special inscriptions) are lower case with upper case initial letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417.

Selection and ordering data

	Inscription/Symbol		Symbol No.	DT	Order No.	PS
Inscription labe	els, self-adhesive, 9.5 mm × 18.5 mm					
	Blank				3SB29 01-2AA	10 units
	On Off				3SB29 01-2EB 3SB29 01-2EC	10 units 10 units
	Start				3SB29 01-2EL	10 units
	Reset Fault				3SB29 01-2EM 3SB29 01-2EW	10 units
	Hand Auto				3SB29 01-2EW 3SB29 01-2BA	10 units
	Manual 0 Auto				3SB29 01-2BE	10 units
	Man 0 Auto				3SB29 01-2ET	10 units
	Graphic symbols					
	O (Off)	\bigcirc	5008 IEC		3SB29 01-2MB	1 unit
	I (On)		5007 IEC		3SB29 01-2MC	1 unit
	O I (horizontal)				3SB29 01-2MF	1 unit
	Motion in direction of arrow	\rightarrow	5002 IEC		3SB29 01-2NA	1 unit
	Customized inscriptions or symbols				3SB29 01-2XZ	
	(see Options)				KOY	1 unit
					K1Y, K2Y or K3Y	1 unit
					K5Y	1 unit
					K9Y	1 unit
Label holders						
	Label holders for inscription labels				3SB29 02-0AB	1 unit
	The label holders must not be used with the 3SE	321AC01				
	EMERGENCY-STOP mushroom push button.					

Options

Customized inscriptions

The labels can be inscribed with text and symbols not listed in the ordering data. Append the following codes to the Order No.:

- Text line(s) in upper/lower case, upper case always for beginning of line (e.g. "Lift off"): K0Y
- Text line(s) in upper case (e.g. "LIFT OFF"): K1Y
- Text line(s) in lower case (e.g. "lift off"): K2Y
- Text line(s) in upper/lower case, all words begin with upper case letters (e.g. "Lift Off"): K5Y
- Symbol with number according to ISO 7000 or IEC 60417:
 K3Y
- Any inscription or symbols according to order form supplement: K9Y

When ordering, specify the required inscription in plain text in addition to the order number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language.

Two lines of 11 characters are permitted with 4 mm letter height (1 line) or 3 mm (2-line).

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417 (see ordering example).

For special symbols (order code K9Y), a CAD drawing in DXF format can be submitted.

Ordering example

3SB29 01-2XZ

K3Y

Z = 1118 ISO

10/17

Push Button Units and Indicator Lights 3SB2, Mounting Diameter 16 mm

Mounting parts and components

	Version	Lamp voltage	Color	DT	Order No.	PS
		V				
Buttons and lenses ¹			Di i			
SB29 10-0AF	Buttons, flat For push buttons		Black Red Yellow Green Blue White Clear		3SB29 10-0AB 3SB29 10-0AC 3SB29 10-0AD 3SB29 10-0AE 3SB29 10-0AF 3SB29 10-0AG 3SB29 10-0AH	1 ur 1 ur 1 ur 1 ur 1 ur 1 ur
SB29 10-0CF	Buttons, flat For illuminated push buttons		Red Yellow Green Blue White Clear		3SB29 10-0CC 3SB29 10-0CD 3SB29 10-0CE 3SB29 10-0CF 3SB29 10-0AG 3SB29 10-0AH	1 ui 1 ui 1 ui 1 ui 1 ui 1 ui
SB29 10-0BD	Buttons, raised For push buttons		Black Red Yellow Clear		3SB29 10-0BB 3SB29 10-0BC 3SB29 10-0BD 3SB29 10-0BH	1 ui 1 ui 1 ui 1 ui
SB29 10-0DD	Buttons, raised For illuminated push buttons		Red Yellow Clear		3SB29 10-0DC 3SB29 10-0DD 3SB29 10-0BH	1 ur 1 ur 1 ur
SB29 10-1AD	Screw lenses With concentric rings		Red Yellow Green Blue White Clear		3SB29 10-1AC 3SB29 10-1AD 3SB29 10-1AE 3SB29 10-1AF 3SB29 10-1AG 3SB29 10-1AH	1 ur 1 ur 1 ur 1 ur 1 ur 1 ur
SB29 10-1BE	Screw lenses Smooth, for inscription with insert cap		Red Yellow Green Blue Clear		3SB29 10-1BC 3SB29 10-1BD 3SB29 10-1BE 3SB29 10-1BF 3SB29 10-1BH	1 ui 1 ui 1 ui 1 ui 1 ui
Key for actuators SB29 08-2AJ	Keys For CES key-operated switch, lock No. SB2				3SB29 08-2AJ	1 u
amps, wedge bases	,2)					
SB29 08-1AE	Incandescent lamps Wedge base W2 × 4.6 d, 1.0 W	AC/DC 6 12 24 30 48 60	Clear		3SB29 08-1AA 3SB29 08-1AB 3SB29 08-1AC 3SB29 08-1AD 3SB29 08-1AE 3SB29 08-1AF	1 ui 1 ui 1 ui 1 ui 1 ui 1 ui
SB39 01-1SB	LED lamps, super-bright Wedge base W2 × 4.6 d	24 AC/DC	Red Yellow Green White Blue		3SB39 01-1SB 3SB39 01-1RB 3SB39 01-1TB 3SB39 01-1UB 3SB29 08-1BD	1 ui 1 ui 1 ui 1 ui 1 ui
SB29 08-1BD		28 AC/DC	Red Yellow Green White Blue		3SB39 01-1SE 3SB39 01-1RE 3SB39 01-1TE 3SB39 01-1UE 3SB39 01-1VE	1 ur 1 ur 1 ur 1 ur 1 ur
	Lamp extractors For lamps with bases W2 × 4.6 d				3SB29 08-2AB	1 ui

¹⁾ Included in the scope of supply of actuators or indicator lights.

²⁾ Included in the scope of supply of some complete units.

3SB2, Mounting Diameter 16 mm

Mounting parts and components

	Version	DT	Order No.	PS
				. 0
Accessories for com	mand points			
3SB29 02-0AA	Single frames for square design ¹⁾		3SB29 02-0AA	1 unit
20T-HA/A	Name plates, yellow, Ø 50 mm			
	As backing plate for EMERGENCY-STOP, self-adhesive Blank With German inscription "NOT-HALT" With German inscription "NOT-AUS"		3SB29 08-2AF 3SB29 08-2AG 3SB29 08-2AK	1 unit 1 unit 1 unit
3SB29 08-2AG	Blanking plugs		3SB29 08-3AA	1 unit
	Black plastic (degree of protection IP65)			, G.i.i.
3SB29 08-3AA	Protective caps, clear		3SB29 08-3AB	1 unit
3SB29 08-1	Silicone, for push buttons with flat and raised button		33D29 00-3AD	Turiit
Flat connectors				
3SB29 08-8AA	Plug-in sleeves For flat connectors 2.8×0.8 mm, cross-section $0.5 \dots 1.5$ mm ²		3SB29 08-8AA	1unit
A STATE OF S	Insulation sleeves For flat connectors, connection from the front		3SB29 08-8AB	1 unit
3SB29 08-8AB				
	Complete connectors ²⁾ For connecting contact blocks and lamp holders (up to 10 connections). Guaranteed finger-safe acc. to IEC 61140 and BGV A3.		3SB29 08-8AD	1 unit
3SB29 08-8AD				252
	Plug-in sleeves For flat connectors 2.8 × 0.8 mm, with locating spring for maintained in complete connector		3SB29 08-8AE	250 units
3SB29 08-8AE				
Tools				
7	Dismantling tools For holders and lamp holders with holder		3SB29 08-2AA	1 unit
3SB29 08-2AA				
	Mounting tools For buttons and screw lenses		3SB29 08-2AC	1 unit
00000000000				

 $^{^{\}rm 1)}$ Not suitable for EMERGENCY-STOP mushroom push buttons.

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3SB29 08-2AC

 $^{^{2)}}$ Required 3SB29 08-8AE plug-in sleeves for flat connectors 2.8 \times 0.8 mm are not included in the scope of supply.

3SB2, Mounting Diameter 16 mm

Dimension drawings (mm)

Actuators

Pushbutton or illuminated pushbutton

with flat button



Pushbutton or illuminated pushbutton

with raised button



Selector switch



CES key-operated switch



* with key

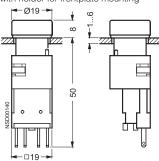
EMERGENCY-STOP mushroom pushbutton



Indicator light

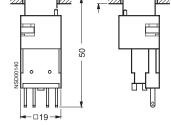


Contact blocks with push-on connection



Pushbutton and contact block

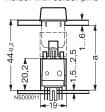
with holder for frontplate mounting



Contact blocks with soldering pins for use on printed circuit boards Mounting dimensions

Illuminated pushbutton unit

with contact block and lampholder with solder pins



Solder pin spacing Solder terminal \varnothing 1.3 $^{+0.1}$ Length $\bf a$ of spacers: $\bf a=44^{-0.2}$ minus front plate thickness. When using backing plates, the length $\bf a$ is

reduced by 0.8 mm.

To avoid bending of the PCB when the actuator is operated, sufficient spacers must be provided spaced as shown in the table below:

Maximum PCB	Max. distance between
hickness	spacers

1.5 mm	80 mm
2.5 mm	150 mm
When using	generally 50 m

(These details are based on epoxy resin glass fibre

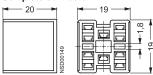
))	16,2	
NSD000002		9)	9	اً

Minimum clearance	а	b
Round design	19	19
Square design without inscription plate	21	21
Round and square designs with inscription plates	21	32
For 2 selector switches and 3 switching positions, maintained contact, side by side	21	21

Accessories

♦|**0**|

Complete connector



NO, NC La

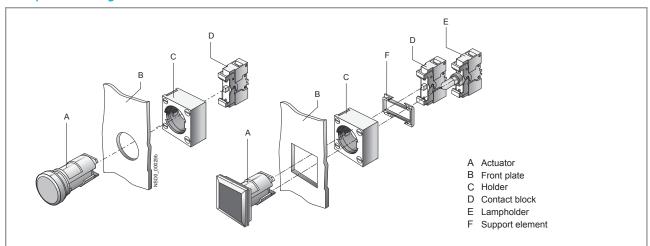
NO, NC

3SB3 Push Buttons and Indicator Lights, 22 mm

General data

Overview

Front plate mounting

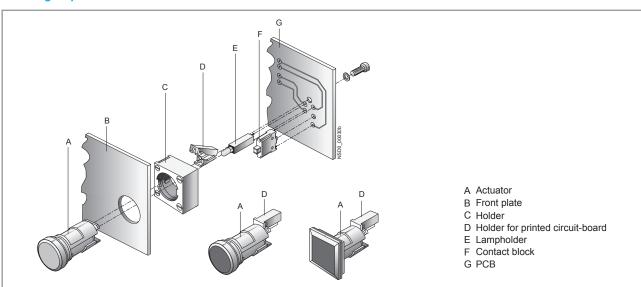


For actuators see page 10/26 to 10/64.

For contact blocks and lamp holders see page 10/65 to 10/67.

For holders see page 10/68.

Mounting on printed circuit boards

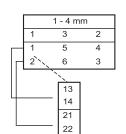


For contact blocks for use on printed circuit boards see page 10/68.

Contact assignment

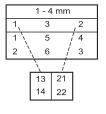
Mounting surface depth
Depth for contact blocks
with 1 contact
Depth for contact blocks
with 2 contacts

Carrier for 3 blocks Contact blocks, lamp holders

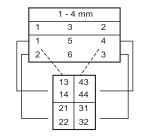


For one contact block

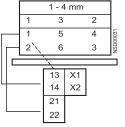
with 2 contacts, e.g. 1 NO + 1 NC For 2 contact blocks each with 1contact, e.g. 1 NO, 1 NC



For 2 contact blocks each with 2 contacts, e.g. 1 NO + 1 NC, 1 NO + 1 NC



For one contact block with 2 contacts, e.g. 1 NO + 1 NC and a lampholder



1

3

+

6

0

9

10

3SB3 Push Buttons and Indicator Lights, 22 mm

General data

Design

The 3SB3 series is a modular range of commanding and signaling devices for front panel mounting and rear conductor connection. As an alternative, individual elements can also be supplied for use on printed circuit boards. Complete units are offered for the most commonly used applications.



Actuators and indicators and complete units

The 3SB3 series is available:

- Made of molded plastic in flat, round and square design
- · Made of metal in round design.

The devices are of modern industrial design and can be mounted rapidly by a single person. The operating surfaces of the push buttons and illuminated push buttons are concave. The lenses of the indicator lights are convex.

The metal version with a high degree of protection according to IP67 and NEMA 4X is available for the world market.

One command point comprises:

- An actuator or lens assembly in front of the control panel
- A holder for mounting behind the control panel
- Up to 3 contact blocks and/or 1 lamp holder behind the control panel
- A comprehensive range of accessories for inscription

Two contact blocks can be snapped onto the actuator in the standard version.

When three contact blocks or illuminated actuators are required, an additional holder must be plugged onto the actuator from the rear

- 3SB39 01-0AB holder for 3 contact blocks or for 2 contact blocks and 1 lamp holder
- 3SB39 01-0AC holder with pressure plates for actuating a central contact block when using a selector switch, key-operated switch and twin push button with 3 contact blocks.

For illuminated push buttons, illuminated switches and illuminated selector switches the holder is included in the scope of supply as standard.

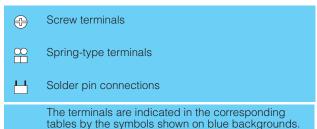
The contact blocks are fitted with slow-action contacts with double operating contacts. These ensure a high switching reliability even with small voltages and currents, such as 5 V/1 mA. They are suitable for use in solid-state systems as well as conventional controls.

Standards

IEC 60947-1, EN 60947-1, IEC 60947-5-1, EN 60947-5-1, IEC 60947-5-5, EN 60947-5-5 for EMERGENCY-STOP mush-room push buttons.

Connection methods

The devices are available with screw terminals (box terminals), spring-type terminals or solder pins.



Application

The devices are climate-proof (KTW 24) and suitable for standard industrial applications and operation in marine applications. For operation in oily atmospheres (organic oils/lubricants) we recommend actuators which are marked as "solvent-resistant".

AS-Interface solutions

The 3SB3 commanding and signaling devices can be connected to the AS-Interface communication system quickly and safely with the help of various solutions.

The following solutions are available:

- ASIsafe EMERGENCY-STOP mushroom push buttons (see page 10/97)
- AS-Interface enclosures with 1 to 6 command points (see page 10/96).
- AS-Interface front panel modules for 4 command points (see Catalog IK PI)

"Intrinsic safety" type of protection EEx i according to ATEX directive 94/9/EC

The push buttons and indicator lights in round design can also be used in hazardous areas. The 3SB34 ..-0. contact blocks and the 3SB34 ..-1A lamp holders (with 3SB39 01-1.A LED lamp) with screw terminals or spring-type terminals can be used.

See www.siemens.com/sirius/atex.

Safety EMERGENCY-STOP push buttons according to ISO 13850

For controls according to IEC 60204-1 or EN 60204-1, the mushroom push buttons of the 3SB3 series are suitable for use as safety EMERGENCY-STOP push buttons.

Safety circuits

IEC 60947-5-1 and EN 60947-5-1 require positive opening, i.e. for the purposes of personal safety, the assured opening of NC contacts is expressly stipulated for the electrical equipment of machines in all safety circuits and marked according to IEC 60947-5-1 with the symbol \oplus .

Category 4 according to EN 954-1 can be attained with the EMERGENCY-STOP mushroom push buttons if the corresponding failsafe evaluation units are selected and correctly installed, e.g. the 3TK28 safety relays or matching units from the ASIsafe, SIMATIC or SINUMERIK product ranges.

General data

Configuration

Mounting and fixing

The 3SB3 devices can be easily and quickly mounted:

- Actuators or indicator lights are positioned in the opening of the front panel from the front
- · Position the holder from the rear
- Tighten the screw on the holder
- Snap on the contact block or the lamp holder directly onto the actuator from the back

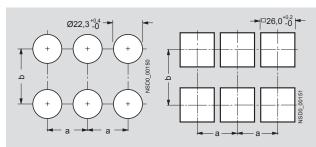
The holder for the round versions is set to a switchboard thickness of 1 to 4 mm when delivered and is placed in the direction of the arrow ↑ 1–4 mm ↑ on the actuator/indicator from the back. The fixing screw is located underneath, on the right.

For a switchboard thickness of 3 to 6 mm, the holder is reversed and mounted in the direction of the arrow at \uparrow 3–6 mm \uparrow and the fixing screw is located on the upper right. In this case, the fixing screw must be rotated anticlockwise to its limit before mounting the holder

The control panel depth of 1 to 4 mm can be compensated with the holder for the square version.

When label holders, protective caps or similar accessories are used, the greatest permissible control panel thickness must be reduced by the wall thickness of the accessory part.

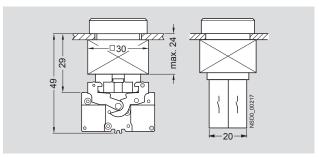
Mounting dimensions on front plates



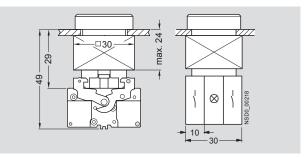
Minimum clearance	а	b
Contact blocks (1 contact) and lamp holder For front plate mounting, with screw terminals For front plate mounting with spring-type terminals For use on PCB, with solder pin connections	30 ¹⁾ 30 ¹⁾ 30 ¹⁾	45 30 ¹⁾ 30 ¹⁾
Contact blocks with 2 contacts • for front plate mounting	30 ¹⁾	50
When using holders for inscription labels 12.5 mm × 27 mm 27.0 mm × 27 mm	30 ¹⁾ 30 ¹⁾	45 ²⁾ 60

¹⁾ For mushroom push button, EMERGENCY-STOP and push-pull button: Note mushroom diameter d = 40 mm or 60 mm.

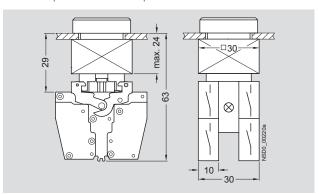
Mounting depth



Push button with two contact blocks

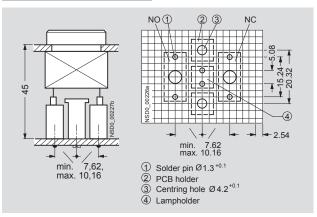


Illuminated push button with lamp holder and two contact blocks



Illuminated push button with lamp holder and two contact blocks with two contacts

Used on printed circuit boards



Illuminated push button with solder pins

2

3

<u>+</u>

6

8

9

10

²⁾ 60 mm with contact blocks having two contacts.

Push Button Units and Indicator Lights 3SB3 Push Buttons and Indicator Lights, 22 mm

General data

Туре		3SB34 00-0, 3SB34 20-0	3SB14 00-0J	3SB34 00-1, 3SB34 20-1	3SB34 03-0, 3SB34 23-0	3SB34 03-1, 3SB34 23-1	3SB34 11-0	3SB34 11-1
Contact blocks and lamp holders								
Standards		IEC 60947-5-	1, IEC 60947-5	-5, EN 60947-	5-1, EN 60947-	-5-5		
Connection type		Screw terminals			Spring-t □	ype terminals	Solder pins	
Rated insulation voltage <i>U</i> _i For pollution degree according to IEC 60947-1	V	400 Class 3		250 Class 3	400 Class 3		250 Class 3	60 Class 3
Rated impulse withstand voltage <i>U</i> _{imp}	kV	4		4	4	4	4	1.5
Conventional thermal current I _{th}	Α	10		_	10	_	10	_
Rated operational current I_e at rated operational voltage U_e								
 Alternating current 50/60 Hz, AC-12 At U_e = 24 230 V At U_e = 400 V 	A A	10 10 10		_ _ _	10 10 10		10 10 —	_
 Alternating current 50/60 Hz, AC-15 At U_e = 24 230 V At U_e = 400 V 	A A	6 3	6		6	_	4	_
Direct current DC-12								
- At U_e = 24 V - At U_e = 48 V	A A	10 5	10	_ _	10 5	_ _	10 5	_ _
- At U_{e} = 110 V - At U_{e} = 230 V	A A	2.5	2 0.5	_	2.5	_	2.5	_
• Direct current DC-13 - At $U_e = 24 \text{ V}$	A	3	5	_	3	_	3	_
- At $U_e = 48 \text{ V}$ - At $U_e = 110 \text{ V}$ - At $U_e = 230 \text{ V}$	A A A	1.5 0.7 0.3	0.5 0.2	_ _ _	1.5 0.7 0.3		1.5 0.7 0.3	
Contact stability								
Test voltage Test current	V mA	5		_	5 1	_	5 1	_
Lamp holders		_		BA 9s	_	BA 9s	_	Wedge bases
Lamps		_		Incandes- cent lamps, glow lamps and LED lamps	_	Incandes- cent lamps, glow lamps and LED lamps	_	Incandes- cent lamps and LED lamps
Short-circuit protection, weld-free, acc. to IEC 60947-5-1 • DIAZED fuse links, utilization category gG acc. to IEC 60269-3-1 • DIAZED fuse links, quick according to DIN VDE 0635 • Miniature circuit breaker with C characteristic according to IEC 60898	А	Dz10 A Dz 16 A 10						
Mechanical endurance		10 × 10 ⁶ oper	rating cycles					
Electrical endurance • For utilization category AC-15 with 3RT20 15 to 3RT20 26 contactors		10 × 10 ⁶ oper	rating cycles					
With utilization category DC-12, DC-13			ırrent it depend hing frequency		ational voltage,	the breaking o	urrent, the circ	uit inductanc
Switching frequency	1/h	1000 operatin	ng cycles					
Degree of protection acc. to IEC 60529 Connections Contact chambers		IP20 IP40		_	IP40	_	IP40	_
Touch protection according to EN 61140 and BGV A3		Finger-safe			Finger-safe		_	
Conductor cross-sections ¹⁾ • Finely stranded, without end sleeves • Finely stranded, with end sleeves to DIN 46228 • Solid • Solid with end sleeves to DIN 46228 • AWG cables, solid or stranded	mm^2				2 × (0.25 1.5) 2 × (0.25 0.75) 2 × (0.25 1.5) 		 	
Tightening torque, terminal screw	Nm	0.8						

¹⁾ For standard screwdriver size 2 or Pozidriv 2.

Push Button Units and Indicator Lights 3SB3 Push Buttons and Indicator Lights, 22 mm

General	

Туре		3SB34 00-0, 3SB34 20-0	3SB34 00-1, 3SB34 20-1	3SB34 03-0, 3SB34 23-0	3SB34 03-1, 3SB34 23-1	3SB34 11-0	3SB34 11-1	
Data according to UL and CSA								
Rated operational voltage	V AC	300	_	300	_	300	_	
Conventional thermal current (uninterrupted current)	Α	10	_	10	_	10	_	
Switching capacity		A 300, R 300, A 600 same polarity						
Rated voltage (lamps)								
Lamp with BA 9s base	V AC	_	125	_	125	_	_	
Lamp with wedge base	V AC	_	60	_	60	_	60	
Lamp holders with integrated LED	V	_	24 AC/DC, 110 AC, 230 AC	_	24 AC/DC, 110 AC, 230 AC	_	_	
Rated power (lamps)	W	_	2.5	_	2.5	_	1	

Туре		3SB30, 3SB32 (3SB31)	3SB31, 3SB33	3SB35, 3SB36
Actuators and indicators				
Enclosure material		Plastic		Metal
Design		Round	Square	Round
Terminal designation acc. to EN 50013		Identification number on the ho function digit on the contact blo		
Device identification		Snap-on label		
Tightening torques				
Screw on holder	Nm	max. 1		
Mechanical endurance				
Push buttons		10×10^6 operating cycles		
Illuminated push buttons		3×10^6 operating cycles		
Actuators, rotary or maintained		3×10^5 operating cycles		
Key-operated switch with key monitoring		1×10^5 operating cycles		
Switching frequency	1/h	1000 operating cycles		
Climatic withstand capability acc. to EN ISO 6270-2		Climate-proof KTW24; suitable for marine applications	S	
Ambient temperature				
 During operation, non-illuminated and with LED 	°C	-25 + 70		
During operation, devices with incandescent lamp	°C	-25 + 60		
During storage, transport	°C	-40 +80		
Degree of protection acc. to IEC 60529 and NEMA Standards				
 Actuators and indicators, standard 		IP66; NEMA Type 1,3,4,4X, 12	IP65; NEMA Type 1,3,4,4X, 12	IP67; NEMA Type 1,3,4,4X, 12
- with protective caps		IP67; NEMA Type 1,3,4,4X, 12	IP67; NEMA Type 1,3,4,4X, 12	—
 Key-operated switch with key monitoring 		IP54; NEMA Type 1,3,4,4X, 12	—	—
Twin push buttons (3SB31)		IP65; NEMA Type 1,3,4,4X, 12	—	—
Protective measures		Protective measures are met at and lens assemblies are moun enclosures.	utomatically when the actuators ted on metal front plates and	Grounding is necessary for operation with protective extra- low voltage (PELV).
		When mounted in insulated eno protective measures are met.	closures, the "total insulation"	
Shock resistance according to IEC 60068-2-27 for half-sine shock type, 11 ms shock duration				
Devices without incandescent lamp		≤50 g		
Devices with incandescent lamp		≤30 g		
Vibration resistance acc. to IEC 60068-2-6				
 Acceleration at frequency 20 200 Hz 		5 g		

Туре	3SB38 00, 3SB38 01	_	3SB38 02, 3SB38 03
Enclosures			
Enclosure material	Plastic		Metal
Actuators and indicators	Plastic, round		Metal, round
Degree of protection acc. to IEC 60529	IP65		IP67 and NEMA Type 4
Resistance to extreme climates acc. to DIN 50017	KTW 24		KTW 24

3SB3, Metal, Round, 22 mm

Complete Units

Selection and ordering data

	Rated voltage of lamp	Color of handle	Contacts for front plate	DT	Screw terminals	•	DT	Spring-type terminals	$\overset{\infty}{\sqcup}$
			mounting		Configurator	£03		Configurator	ર્્ે
	V				Order No.			Order No.	
Push buttons									
	Push buttons with	flat button							
		Black Black Red Yellow Green Blue White	1 NO 1 NC 1 NC 1 NO 1 NO 1 NO 1 NO		3SB36 02-0AA11 3SB36 03-0AA11 3SB36 03-0AA21 3SB36 02-0AA31 3SB36 02-0AA41 3SB36 02-0AA51 3SB36 02-0AA61			3SB36 02-0AA11-0CC0 3SB36 03-0AA11-0CC0 3SB36 03-0AA21-0CC0 3SB36 02-0AA31-0CC0 3SB36 02-0AA41-0CC0 3SB36 02-0AA51-0CC0 3SB36 02-0AA61-0CC0	
Push button with flat button		Black Red Yellow Green Blue White Clear	1 NO + 1 NC 1 NO + 1 NC		3SB36 01-0AA11 3SB36 01-0AA21 3SB36 01-0AA31 3SB36 01-0AA41 3SB36 01-0AA51 3SB36 01-0AA61 3SB36 01-0AA71			3SB36 01-0AA11-0CC0 3SB36 01-0AA21-0CC0 3SB36 01-0AA31-0CC0 3SB36 01-0AA41-0CC0 3SB36 01-0AA51-0CC0 3SB36 01-0AA61-0CC0	
	Push button unit v								
		Black Black Red Yellow Blue White	1 NO 1 NC 1 NC 1 NO 1 NO 1 NO		3SB36 02-0BA11 3SB36 03-0BA11 3SB36 03-0BA21 3SB36 02-0BA31 3SB36 02-0BA51 3SB36 02-0BA61			_ _ _	
		Black Red Yellow Green Blue White	1 NO + 1 NC 1 NO + 1 NC		3SB36 01-0BA11 3SB36 01-0BA21 3SB36 01-0BA31 3SB36 01-0BA41 3SB36 01-0BA51 3SB36 01-0BA61				
	Illuminated push be momentary with inter- (incl. holder for 3 el	egrated LED	flat button	-					
	24 AC/DC	Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NC 1 NO 1 NO 1 NO 1 NO 1 NO		3SB36 46-0AA21 3SB36 45-0AA31 3SB36 45-0AA41 3SB36 45-0AA51 3SB36 45-0AA61 3SB36 45-0AA71			3SB36 46-0AA21-0CC0 3SB36 45-0AA31-0CC0 3SB36 45-0AA41-0CC0 3SB36 45-0AA51-0CC0 3SB36 45-0AA61-0CC0 3SB36 45-0AA71-0CC0	
Illuminated push button with flat button		Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NO + 1 NC 1 NO + 1 NC		3SB36 47-0AA21 3SB36 47-0AA31 3SB36 47-0AA41 3SB36 47-0AA51 3SB36 47-0AA61 3SB36 47-0AA71			3SB36 47-0AA21-0CC0 3SB36 47-0AA31-0CC0 3SB36 47-0AA41-0CC0 3SB36 47-0AA51-0CC0 3SB36 47-0AA61-0CC0 3SB36 47-0AA71-0CC0	
	110 AC	Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NC 1 NO 1 NO 1 NO 1 NO 1 NO		3SB36 50-0AA21 3SB36 57-0AA31 3SB36 57-0AA41 3SB36 57-0AA51 3SB36 57-0AA61 3SB36 57-0AA71			_ _ _ _	
		Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NO + 1 NC 1 NO + 1 NC		3SB36 51-0AA21 3SB36 51-0AA31 3SB36 51-0AA41 3SB36 51-0AA51 3SB36 51-0AA61 3SB36 51-0AA71			_ _ _ _	
	230 AC	Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NC 1 NO 1 NO 1 NO 1 NO 1 NO		3SB36 54-0AA21 3SB36 53-0AA31 3SB36 53-0AA41 3SB36 53-0AA51 3SB36 53-0AA61 3SB36 53-0AA71			3SB36 54-0AA21-0CC0 3SB36 53-0AA31-0CC0 3SB36 53-0AA41-0CC0 3SB36 53-0AA51-0CC0 3SB36 53-0AA61-0CC0 3SB36 53-0AA71-0CC0	
		Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NO + 1 NC 1 NO + 1 NC		3SB36 55-0AA21 3SB36 55-0AA31 3SB36 55-0AA41 3SB36 55-0AA51 3SB36 55-0AA61 3SB36 55-0AA71			3SB36 55-0AA21-0CC0 3SB36 55-0AA31-0CC0 3SB36 55-0AA41-0CC0 3SB36 55-0AA51-0CC0 3SB36 55-0AA61-0CC0 3SB36 55-0AA71-0CC0	

 $[\]ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

¹⁾ Inscription is possible by inserting a label.

Push Button Units and Indicator Lights 3SB3, Metal, Round, 22 mm

Complete Units

	Rated voltage of	Color of	Contacts for	DT	Screw terminals		T Spring-type terminals	\sim
	lamp	handle	front plate		Coron tommulo	⊕ L	opining type terminate	
			mounting		Configurator	£03	Configurator	ર્ેટ્રે
	V				Order No.		Order No.	
Push buttons	V							
	Illuminated push b with BA 9s lamp hol (incl. holder for 3 ele	der, without la			3SB36 07-0AA21 3SB36 06-0AA01 3SB36 06-0AA31 3SB36 06-0AA41		3SB36 07-0AA21-0CC0 	
Illuminated push button		Blue ¹⁾ White Clear ¹⁾	1 NO 1 NO 1 NO		3SB36 06-0AA51 3SB36 06-0AA61 3SB36 06-0AA71		3SB36 06-0AA51-0CC0 3SB36 06-0AA61-0CC0 3SB36 06-0AA71-0CC0	
with flat button		Red ¹⁾ Amber ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NO + 1 NC 1 NO + 1 NC		3SB36 05-0AA21 3SB36 05-0AA01 3SB36 05-0AA31 3SB36 05-0AA41 3SB36 05-0AA51 3SB36 05-0AA61 3SB36 05-0AA71		3SB36 05-0AA21-0CC0	
	Illuminated push be solvent-resistant be with integrated LED	utton ²⁾ ,	*					
	24 AC/DC	Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NC 1 NO 1 NO 1 NO 1 NO 1 NO		3SB36 46-0AA21-0PA0 3SB36 45-0AA31-0PA0 3SB36 45-0AA41-0PA0 3SB36 45-0AA51-0PA0 3SB36 45-0AA61-0PA0 3SB36 45-0AA71-0PA0		_ _ _ _	
Illuminated push button with flat button		Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NO + 1 NC 1 NO + 1 NC		3SB36 47-0AA21-0PA0 3SB36 47-0AA31-0PA0 3SB36 47-0AA41-0PA0 3SB36 47-0AA51-0PA0 3SB36 47-0AA61-0PA0 3SB36 47-0AA71-0PA0		_ _ _ _	
Mushroom push butt								
	Mushroom push-pu tained with pull-to-unlatch r —	•	7 40 mm , main- 1 NC 1 NO + 1 NC		3SB36 03-1CA21 3SB36 01-1CA21		3SB36 03-1CA21-0CC0 3SB36 01-1CA21-0CC0	
Mushroom push-pull								

 $\ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

Siemens Industry, Inc. Industrial Controls Catalog

¹⁾ Inscription is possible by inserting a label.

²⁾ Not suitable for laser inscription.

Push Button Units and Indicator Lights 3SB3, Metal, Round, 22 mm

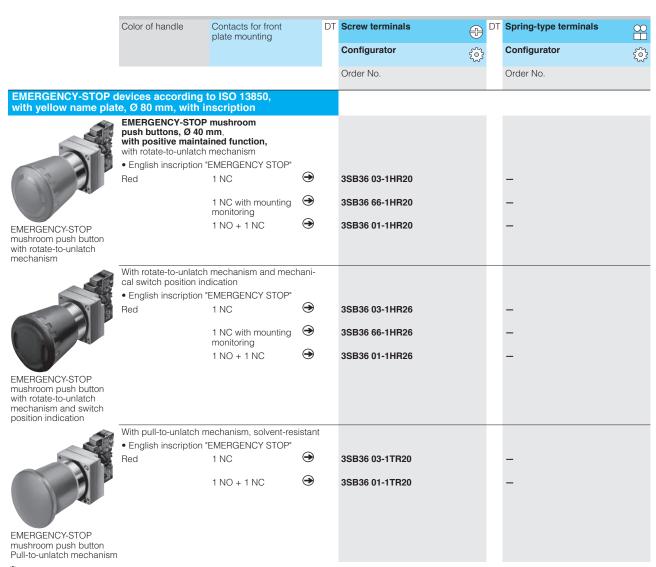
Complete Units

	Version	Color of	Contacts for	DT	Screw terminals	DT e	Spring-type terminals	\cong
		handle/ Lock No.	front plate mounting				Configurator	₹Ç}
					Order No.		Order No.	
Selector switches								
Tolly	Selector switches, Switching sequence							
	Latching O /I	Black, Standard	1 NO 1 NO + 1 NC		3SB36 02-2KA11 3SB36 01-2KA11		3SB36 02-2KA11-0CC0 3SB36 01-2KA11-0CC0	
	V	Black, Heavy duty	1 NO 1 NO + 1 NC		3SB36 02-2PA11 3SB36 01-2PA11		_	
Selector switch	Selector switches, switching sequence							
		Black, Standard	1 NO, 1 NO 1 NO + 1 NC, 1 NO + 1 NC		3SB36 10-2DA11 3SB36 08-2DA11		3SB36 10-2DA11-0CC0 3SB36 08-2DA11-0CC0	
		Black, Heavy duty	1 NO, 1 NO 1 NO + 1 NC, 1 NO + 1 NC		3SB36 10-2SA11 3SB36 08-2SA11		-	
	Momentary, spring return from the left and right	Black, Standard	1 NO, 1 NO 1 NO + 1 NC, 1 NO + 1 NC		3SB36 10-2EA11 3SB36 08-2EA11		3SB36 10-2EA11-0CC0 3SB36 08-2EA11-0CC0	
		Black, Heavy duty	1 NO, 1 NO 1 NO + 1 NC, 1 NO + 1 NC		3SB36 10-2TA11 3SB36 08-2TA11		_ _	
Key-operated switche	es							
	RONIS key-operate with 2 keys, removal switching sequence Latching	position O + I	٠,		3SB36 02-4AD11 3SB36 01-4AD11		3SB36 02-4AD11-0CC0 3SB36 01-4AD11-0CC0	
RONIS key-operated switch								

 $\ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

3SB3, Metal, Round, 22 mm

Complete Units



 $\ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

Positive opening according to IEC 60947-5-1, Appendix K. Can be used with 3TK28 safety relays.

Certificate:



Push Button Units and Indicator Lights 3SB3, Metal, Round, 22 mm

Complete Units

	Rated voltage of lamp	Color of lens DT	Screw terminals	⊕ DT	Spring-type terminals	$\stackrel{\infty}{\sqcup}$
			Configurator	£03	Configurator	£0.3
	V		Order No.		Order No.	
Indicator lights						
	Indicator lights with lens with concentric rings 1) with integrated LED					
	24 AC/DC	Red Yellow Green Blue White Clear Amber	3SB36 44-6BA20 3SB36 44-6BA30 3SB36 44-6BA40 3SB36 44-6BA50 3SB36 44-6BA60 3SB36 44-6BA70 3SB36 44-6BA00		3SB36 44-6BA20-0CC0 3SB36 44-6BA30-0CC0 3SB36 44-6BA40-0CC0 3SB36 44-6BA50-0CC0 3SB36 44-6BA60-0CC0 3SB36 44-6BA70-0CC0	
Indicator light	110 AC	Red Yellow Green Blue White Clear Amber	3SB36 48-6BA20 3SB36 48-6BA30 3SB36 48-6BA40 3SB36 48-6BA50 3SB36 48-6BA60 3SB36 48-6BA70 3SB36 48-6BA00		3SB36 48-6BA20-0CC0 3SB36 48-6BA30-0CC0 3SB36 48-6BA40-0CC0 3SB36 48-6BA50-0CC0 3SB36 48-6BA60-0CC0 3SB36 48-6BA70-0CC0	
	230 AC	Red Yellow Green Blue White Clear	3SB36 52-6BA20 3SB36 52-6BA30 3SB36 52-6BA40 3SB36 52-6BA50 3SB36 52-6BA60 3SB36 52-6BA70		3SB36 52-6BA20-0CC0 3SB36 52-6BA30-0CC0 3SB36 52-6BA40-0CC0 3SB36 52-6BA50-0CC0 3SB36 52-6BA60-0CC0 3SB36 52-6BA70-0CC0	
	With BA 9s lamp holder, without la —	mp Red Yellow Green Blue White Clear	3SB36 04-6BA20 3SB36 04-6BA30 3SB36 04-6BA40 3SB36 04-6BA50 3SB36 04-6BA60 3SB36 04-6BA70		3SB36 04-6BA20-0CC0 3SB36 04-6BA30-0CC0 3SB36 04-6BA40-0CC0 3SB36 04-6BA50-0CC0 3SB36 04-6BA60-0CC0 3SB36 04-6BA70-0CC0	

 $[\]ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

¹⁾ Inscription by inserting a label is not possible.

	Version	Inscriptions	Color of	DT	Configurator	کہرم	PS
			handle			£03	
Push buttons with holder ¹⁾					Order No.		
The state of the s	Push buttons with flat button		Black Red Yellow Green Blue White Gray Clear ²⁾		3SB35 00-0AA11 3SB35 00-0AA21 3SB35 00-0AA31 3SB35 00-0AA41 3SB35 00-0AA61 3SB35 00-0AB51 3SB35 00-0AB51 3SB35 00-0AA71		1 ui 1 ui 1 ui 1 ui 1 ui 1 ui 1 ui
Push button with flat button		Up Down Forward Reverse On Start	Black Black Black Black Green Green		3SB35-00-0AA11-ZED 3SB35-00-0AA11-ZEE 3SB35-00-0AA11-ZEF 3SB35-00-0AA11-ZEG 3SB35 00-0AA41-ZEB 3SB35 00-0AA41-ZEL		1 u 1 u 1 u 1 u 1 u
Push button with raised button		I O I O R	Green Red White Black Blue		3SB35 00-0AA81 3SB35 00-0AB01 3SB35 00-0AB11 3SB35 00-0AB21 3SB35 00-0AC81		1 u 1 u 1 u 1 u 1 u
	Push buttons with flat solvent-resistant button ³⁾		Black Red Yellow Green Blue White		3SB35 00-0AA11 3SB35 00-0AA21-0PA0 3SB35 00-0AA31-0PA0 3SB35 00-0AA41-0PA0 3SB35 00-0AA51-0PA0 3SB35 00-0AA61-0PA0		1 u 1 u 1 u 1 u 1 u
Push button with raised front ring	Push buttons with raised button	Off Stop	Black Red Yellow Green Blue White Red Red		3SB35 00-0BA11 3SB35 00-0BA21 3SB35 00-0BA31 3SB35 00-0BA41 3SB35 00-0BA61 3SB35 00-0BA61 3SB35-00-0BA21-ZEC 3SB35-00-0BA21-ZEK		1 u 1 u 1 u 1 u 1 u
Illuminated push button with flat button	Push buttons with raised front ring (height 15.5 mm)		Black Red Yellow Green Blue White		3SB35 00-0AA12 3SB35 00-0AA22 3SB35 00-0AA32 3SB35 00-0AA42 3SB35 00-0AA52 3SB35 00-0AA62		1 u 1 u 1 u 1 u 1 u
	Illuminated push buttons with flat button (incl. holder for 3 elements)		Amber ²⁾ Red ²⁾ Yellow ²⁾ Green ²⁾ Blue ²⁾ White Clear ²⁾		3SB35 01-0AA01 3SB35 01-0AA21 3SB35 01-0AA31 3SB35 01-0AA41 3SB35 01-0AA61 3SB35 01-0AA61 3SB35 01-0AA71		1 u 1 u 1 u 1 u 1 u 1 u
Illuminated push button with raised button	Illuminated push buttons with flat, solvent-resistant button ³⁾ (incl. holder for 3 elements)		Red ²⁾ Yellow ²⁾ Green ²⁾ Blue ²⁾ White Clear ²⁾		3SB35 01-0AA21-0PA0 3SB35 01-0AA31-0PA0 3SB35 01-0AA41-0PA0 3SB35 01-0AA51-0PA0 3SB35 01-0AA61-0PA0 3SB35 01-0AA71-0PA0		1 u 1 u 1 u 1 u 1 u
Push button with flat button	Illuminated push buttons with raised button (incl. holder for 3 elements)		Amber Red Yellow Green Blue White Clear		3SB35 01-0BA01 3SB35 01-0BA21 3SB35 01-0BA31 3SB35 01-0BA41 3SB35 01-0BA51 3SB35 01-0BA61 3SB35 01-0BA71		1 u 1 u 1 u 1 u 1 u
	Push buttons with flat button, maintained, unlatches by pressing again		Black Red Yellow Green Blue White Gray		3SB35 00-0DA11 3SB35 00-0DA21 3SB35 00-0DA31 3SB35 00-0DA41 3SB35 00-0DA51 3SB35 00-0DA61 3SB35 00-0DB51		1 u 1 u 1 u 1 u 1 u 1 u
	Illuminated push buttons with flat button, maintained, unlatches by pressing again		Amber ²⁾ Red ²⁾ Yellow ²⁾ Green ²⁾		3SB35 01-0DA01 3SB35 01-0DA21 3SB35 01-0DA31 3SB35 01-0DA41		1 u 1 u 1 u

To ronline configurator see www.siemens.com/sirius/configurators .

unlatches by pressing again (incl. holder for 3 elements)

3SB35 01-0DA41

3SB35 01-0DA51 3SB35 01-0DA61 3SB35 01-0DA71

Green²⁾ Blue²⁾

White Clear²⁾

1 unit

1 unit

1 unit 1 unit

Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

²⁾ Inscription is possible by inserting a label.

 $^{^{3)}}$ Not suitable for laser inscription.

3SB3, Metal, Round, 22 mm

Actuators and Indicators

Mushroom push buttons with holder					
Mushroom push buttons with holder		Version	Color of handle DT	10.5	PS
Mushroom push buttons, 0 30 mm Elack SSB35 00-1DA11 1 1 1 1 1 1 1 1 1				Order No.	
Red \$8833 00-10A21 1	Mushroom push buttons wit	th holder ¹⁾			
Red 38835 00-16A21 1		Mushroom push buttons, Ø 30 mm	Red Yellow	3SB35 00-1DA21 3SB35 00-1DA31	1 unit 1 unit 1 unit 1 unit
Mushroom push buttons, Ø 60 mm	Mushroom push button	Mushroom push buttons, Ø 40 mm	Red Yellow	3SB35 00-1GA21 3SB35 00-1GA31	1 unit 1 unit 1 unit 1 unit
Red 35835 00-10A21					
Mushroom push button, 2 40 mm		Mushroom push buttons, Ø 60 mm	Red Yellow	3SB35 00-1QA21 3SB35 00-1QA31	1 unit 1 unit 1 unit 1 unit
Illuminated mushroom push buttons,		Ø 30 mm	Yellow Green	3SB35 01-1DA31 3SB35 01-1DA41	1 unit 1 unit 1 unit 1 unit
Push-pull button, Ø 30 mm Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated Red 3SB35 01-1EA31 1 unlatch 1 unlatch 2 unl	Ø 40 mm	Ø 40 mm	Yellow Green White	3SB35 01-1GA31 3SB35 01-1GA41 3SB35 01-1GA61	1 unit 1 unit 1 unit 1 unit 1 unit
Push-pull buttons, Ø 30 mm, maintained, pull to unlatch Push-pull buttons, Ø 40 mm, maintained, pull to unlatch Push-pull buttons, Ø 40 mm, maintained, pull to unlatch Push-pull buttons, Ø 40 mm, maintained, pull to unlatch Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 30 mm, maintained, pull to unlatch Push-pull buttons, Ø 30 mm, maintained, pull to unlatch Push-pull buttons, Ø 30 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, Publi to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, Publi to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, Publi to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, Publi to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, Publi to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, Publi to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, Publi to unlatch, can be illuminated (incl. holder for 3 elements)		Ø 60 mm	Yellow Green	3SB35 01-1QA31 3SB35 01-1QA41	1 unit 1 unit 1 unit 1 unit
Push-pull buttons, Ø 40 mm, maintained, pull to unlatch Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 30 mm Push-pull buttons, Ø 30 mm, maintained, pull to unlatch can be illuminated (incl. holder for 3 elements) Push-pull button, Ø 40 mm Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements)					
Push-pull button, Ø 30 mm Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 30 mm, maintained, pull to unlatch Push-pull buttons, Ø 30 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 30 mm, maintained, pull to unlatch, can be illuminated Push-pull button, Ø 40 mm Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated Push-pull button, Ø 40 mm Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated Push-pull buttons, Ø 60 mm, maintained, Push Push Push Push Push Push Push Push					1 unit 1 unit
Push-pull buttons, Ø 60 mm, maintained, pull to unlatch Push-pull buttons, Ø 30 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull button, Ø 40 mm Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull button, Ø 40 mm Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, Blue 3SB35 01-1CA01 1 unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, Blue 3SB35 01-1CA51 1 unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, Pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, Pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, Pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, Pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, Pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, Pull to unlatch, can be illuminated (incl. holder for 3 elements)			Red Yellow	3SB35 00-1CA21 3SB35 00-1CA31	1 unit 1 unit 1 unit 1 unit
pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull button, Ø 40 mm Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Push-pull buttons, Ø 60 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements)	Push-pull button, Ø 30 mm				1 unit 1 unit
Push-pull buttons, Ø 40 mm, maintained, pull to unlatch, can be illuminated (incl. holder for 3 elements) Amber Red 3SB35 01-1CA21 1 1 urgs (incl. holder for 3 elements) 3SB35 01-1CA21 1 1 urgs (incl. holder for 3 elements) 1 urgs (incl. holder for 3 elements) 3SB35 01-1CA31 1 urgs (incl. holder for 3 elements) 1 urgs (incl. holder for 3 elements) 3SB35 01-1CA31 1 urgs (incl. holder for 3 elements) 1 urgs (incl. holder for 3 elements) 4 mber Red 3SB35 01-1RA01 1 urgs (incl. holder for 3 elements) 3SB35 01-1RA01 1 urgs (incl. holder for 3 elements) 1 urgs (incl. holder for 3 elements) 4 mber Red 3SB35 01-1RA21 1 urgs (incl. holder for 3 elements) 3SB35 01-1RA31 1 urgs (incl. holder for 3 elements) 4 urgs (incl. holder for 3 elements) 3SB35 01-1RA41 1 urgs (incl. holder for 3 elements) 1 urgs (incl. holder for 3 elements)	Push-pull button @ 40 mm	pull to unlatch, can be illuminated	Red Yellow Green Blue	3SB35 01-1EA21 3SB35 01-1EA31 3SB35 01-1EA41 3SB35 01-1EA51	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
pull to unlatch, can be illuminated (incl. holder for 3 elements)	. son pan batton, p 40 mm	pull to unlatch, can be illuminated	Red Yellow Green Blue	3SB35 01-1CA21 3SB35 01-1CA31 3SB35 01-1CA41 3SB35 01-1CA51	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
		pull to unlatch, can be illuminated	Red Yellow Green Blue	3SB35 01-1RA21 3SB35 01-1RA31 3SB35 01-1RA41 3SB35 01-1RA51	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit

To ronline configurator see www.siemens.com/sirius/configurators .

Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

3SB3, Metal, Round, 22 mm

Actuators and Indicators

						_	
	Version	Version Illumination	Color of handle	DT	Configurator	£	PS
					Order No.		
Selector switches with ho	lders						
	Selector switches with	2 switch positions					
	Switching sequence O-I, 90° operating angle, maintained	Non-illuminated, standard version 1)	Black Red Green White		3SB35 00-2HA11 3SB35 00-2HA21 3SB35 00-2HA41 3SB35 00-2HA61		1 unit 1 unit 1 unit 1 unit
1	0	Non-illuminated, with solvent-resistant short handle ¹⁾	Black Red Green		3SB35 00-2HA11-0PA0 3SB35 00-2HA21-0PA0 3SB35 00-2HA41-0PA0		1 unit 1 unit 1 unit
Selector switch, 2 switch positions, standard version, 90°		Illuminated, standard version ¹⁾ (incl. holder for 3 elements)	Amber Red Yellow Green Blue Clear		3SB35 01-2HA01 3SB35 01-2HA21 3SB35 01-2HA31 3SB35 01-2HA41 3SB35 01-2HA51 3SB35 01-2HA71		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
	Switching sequence O-I, 50° operating angle, maintained	Non-illuminated, standard version 1)	Black Red Green White		3SB35 00-2KA11 3SB35 00-2KA21 3SB35 00-2KA41 3SB35 00-2KA61		1 unit 1 unit 1 unit 1 unit
Selector switch, 2 switch posi-	O I	Non-illuminated, with solvent-resistant short handle ¹⁾	Black Red Green		3SB35 00-2KA11-0PA0 3SB35 00-2KA21-0PA0 3SB35 00-2KA41-0PA0		1 unit 1 unit 1 unit
tions, standard version, 50°		Illuminated, standard version ¹⁾ (incl. holder for 3 elements)	Amber Red Yellow Green Blue Clear		3SB35 01-2KA01 3SB35 01-2KA21 3SB35 01-2KA31 3SB35 01-2KA41 3SB35 01-2KA51 3SB35 01-2KA71		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
		Illuminated, with solvent-resistant short handle ¹⁾ (incl. holder for 3 elements)	Red Green Blue Clear		3SB35 01-2KA21-0PA0 3SB35 01-2KA41-0PA0 3SB35 01-2KA51-0PA0 3SB35 01-2KA71-0PA0		1 unit 1 unit 1 unit 1 unit
Selector switch, 2 switch positions,		Non-illuminated, heavy-duty version	Black Red Green White		3SB35 00-2PA11 3SB35 00-2PA21 3SB35 00-2PA41 3SB35 00-2PA61		1 unit 1 unit 1 unit 1 unit
heavy-duty version		Illuminated, heavy-duty version (incl. holder for 3 elements)	Amber Red Yellow Green Blue Clear		3SB35 01-2PA01 3SB35 01-2PA21 3SB35 01-2PA31 3SB35 01-2PA41 3SB35 01-2PA51 3SB35 01-2PA71		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
		Non-illuminated, long handle, heavy duty version	Black Red Green White		3SB35 00-3PA11 3SB35 00-3PA21 3SB35 00-3PA41 3SB35 00-3PA61		1 unit 1 unit 1 unit 1 unit
Selector switch, 2 switch positions, long handle		Illuminated long handle, heavy duty version (incl. holder for 3 elements)	Red Yellow Green Blue Amber Clear		3SB35 01-3PA21 3SB35 01-3PA31 3SB35 01-3PA41 3SB35 01-3PA51 3SB35 01-3PA01 3SB35 01-3PA71		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit

[©] For online configurator see www.siemensv.com/sirius/configurators

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Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

Push Button Units and Indicator Lights 3SB3, Metal, Round, 22 mm

Actuators and Indicators

	Version	Version Illumination	Color of handle	DT	Configurator	£03	PS
					Order No.		
Selector switches with ho	lders						
A Company of the Comp	Selector switches with	n 2 switch positions					
	Switching sequence O-I, 50° operating angle, momentary, spring	Non-illuminated, standard version ¹⁾	Black Red Green White		3SB35 00-2LA11 3SB35 00-2LA21 3SB35 00-2LA41 3SB35 00-2LA61		1 unit 1 unit 1 unit 1 unit
Selector switch, 2 switch positions, standard version	return from the right	Non-illuminated, with solvent-resistant short handle ¹⁾	Black Red Green		3SB35 00-2LA11-0PA0 3SB35 00-2LA21-0PA0 3SB35 00-2LA41-0PA0		1 unit 1 unit 1 unit
		Illuminated, standard version ¹⁾ (incl. holder for 3 elements)	Amber Red Yellow Green Blue Clear		3SB35 01-2LA01 3SB35 01-2LA21 3SB35 01-2LA31 3SB35 01-2LA41 3SB35 01-2LA51 3SB35 01-2LA71		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
		Illuminated, with solvent-resistant short handle ¹⁾ (incl. holder for 3 elements)	Red Green Blue Clear		3SB35 01-2LA21-0PA0 3SB35 01-2LA41-0PA0 3SB35 01-2LA51-0PA0 3SB35 01-2LA71-0PA0		1 unit 1 unit 1 unit 1 unit
Selector switch, 2 switch		Non-illuminated, heavy-duty version	Black Red Green White		3SB35 00-2QA11 3SB35 00-2QA21 3SB35 00-2QA41 3SB35 00-2QA61		1 unit 1 unit 1 unit 1 unit
positions, heavy-duty version		Illuminated, heavy-duty version (incl. holder for 3 elements)	Amber Red Yellow Green Blue Clear		3SB35 01-2QA01 3SB35 01-2QA21 3SB35 01-2QA31 3SB35 01-2QA41 3SB35 01-2QA51 3SB35 01-2QA71		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
		Non-illuminated, long handle, heavy-duty version	Black Red Green White		3SB35 00-3QA11 3SB35 00-3QA21 3SB35 00-3QA41 3SB35 00-3QA61		1 unit 1 unit 1 unit
Selector switch, 2 switch positions, long handle		Illuminated long handle, heavy-duty version (incl. holder for 3 elements)	Amber Red Yellow Green Blue Clear		3SB35 01-3QA01 3SB35 01-3QA21 3SB35 01-3QA31 3SB35 01-3QA41 3SB35 01-3QA51 3SB35 01-3QA71		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit

 $[\]ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

3SB3, Metal, Round, 22 mm

Actuators and Indicators

	Version	Version		TC	Configurator	PS
		Illumination	handle		Order No.	
					Order INO.	
Selector switches with ho						
Selector switch, 3 switch positions, standard version Selector switch, 3 switch positions, heavy-duty version Selector switch, 3 switch positions, long handle	Selector switches with Switching sequence I-O-II, 2 x 50° operating angle, maintained I II	3 switch positions Non-illuminated, standard version ¹⁾	Black Red Green White		3SB35 00-2DA11 3SB35 00-2DA21 3SB35 00-2DA41 3SB35 00-2DA61	1 unit 1 unit 1 unit 1 unit
		Non-illuminated, with solvent-resistant short handle ¹⁾	Black Red Green		3SB35 00-2DA11-0PA0 3SB35 00-2DA21-0PA0 3SB35 00-2DA41-0PA0	1 unit 1 unit 1 unit
		Illuminated, standard version ¹⁾ (incl. holder for 3 elements)	Amber Red Yellow Green Blue Clear		3SB35 01-2DA01 3SB35 01-2DA21 3SB35 01-2DA31 3SB35 01-2DA41 3SB35 01-2DA51 3SB35 01-2DA71	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
		Illuminated, with solvent-resistant short handle 1) (incl. holder for 3 elements)	Red Green Blue Clear		3SB35 01-2DA21-0PA0 3SB35 01-2DA41-0PA0 3SB35 01-2DA51-0PA0 3SB35 01-2DA71-0PA0	1 unit 1 unit 1 unit 1 unit
		Non-illuminated, heavy-duty version	Black Red Green White		3SB35 00-2SA11 3SB35 00-2SA21 3SB35 00-2SA41 3SB35 00-2SA61	1 unit 1 unit 1 unit 1 unit
		Illuminated, heavy-duty version (incl. holder for 3 elements)	Amber Red Yellow Green Blue Clear		3SB35 01-2SA01 3SB35 01-2SA21 3SB35 01-2SA31 3SB35 01-2SA41 3SB35 01-2SA51 3SB35 01-2SA71	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
		Non-illuminated, long handle, heavy-duty version	Black Red Green White		3SB35 00-3SA11 3SB35 00-3SA21 3SB35 00-3SA41 3SB35 00-3SA61	1 unit 1 unit 1 unit 1 unit
		Illuminated long handle, heavy-duty version (incl. holder for 3 elements)	Amber Red Yellow Green Blue Clear		3SB35 01-3SA01 3SB35 01-3SA21 3SB35 01-3SA31 3SB35 01-3SA41 3SB35 01-3SA51 3SB35 01-3SA71	1 unit 1 unit 1 unit 1 unit 1 unit
	Switching sequence I-O-II, 2 x 50° operating angle, momentary, spring return from the left and right	Non-illuminated, standard version ¹⁾	Black Red Green White		3SB35 00-2EA11 3SB35 00-2EA21 3SB35 00-2EA41 3SB35 00-2EA61	1 unit 1 unit 1 unit 1 unit
		Non-illuminated, with solvent-resistant short handle ¹⁾	Black Red Green		3SB35 00-2EA11-0PA0 3SB35 00-2EA21-0PA0 3SB35 00-2EA41-0PA0	1 unit 1 unit 1 unit
		Illuminated, standard version ¹⁾ (incl. holder for 3 elements)	Amber Red Yellow Green Blue Clear		3SB35 01-2EA01 3SB35 01-2EA21 3SB35 01-2EA31 3SB35 01-2EA41 3SB35 01-2EA51 3SB35 01-2EA71	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
		Illuminated, with solvent-resistant short handle 1) (incl. holder for 3 elements)	Red Green Blue Clear		3SB35 01-2EA21-0PA0 3SB35 01-2EA41-0PA0 3SB35 01-2EA51-0PA0 3SB35 01-2EA71-0PA0	1 unit 1 unit 1 unit 1 unit
		Non-illuminated, heavy-duty version	Black Red Green White		3SB35 00-2TA11 3SB35 00-2TA21 3SB35 00-2TA41 3SB35 00-2TA61	1 unit 1 unit 1 unit 1 unit
		Illuminated, heavy-duty version (incl. holder for 3 elements)	Amber Red Yellow Green Blue Clear		3SB35 01-2TA01 3SB35 01-2TA21 3SB35 01-2TA31 3SB35 01-2TA41 3SB35 01-2TA51 3SB35 01-2TA71	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit

Clear

Black

Red

Green

White

Amber

Red

Yellow Green

Blue

Non-illuminated,

Illuminated

long handle,

long handle, heavy-duty version

heavy-duty version
(incl. holder for 3 elements)

3SB35 01-2TA71

3SB35 00-3TA11 3SB35 00-3TA21 3SB35 00-3TA41

3SB35 00-3TA61

3SB35 01-3TA01 3SB35 01-3TA21 3SB35 01-3TA31 3SB35 01-3TA41

3SB35 01-3TA51 3SB35 01-3TA71

1 unit

1 unit 1 unit

1 unit

3SB3, Metal, Round, 22 mm

Actuators and Indicators

	Vi	Maratan	O-l	DT	0		DO
	Version	Version Illumination	Color of handle	DT	Configurator	£03	PS
Onlanta a suitaban suitaban	Jalous				Order No.		
Selector switches with ho	Selector switches with 3 s	witch positions (cont)					
Selector switch, 3 switch positions, standard version	Switching sequence I-O-II, 2 x 50° operating angle, momentary to the left, spring return from the left, maintained to the right	Non-illuminated, standard version ¹⁾	Black Red Green White		3SB35 00-2GA11 3SB35 00-2GA21 3SB35 00-2GA41 3SB35 00-2GA61		1 unit 1 unit 1 unit 1 unit
		Illuminated, standard version ¹⁾ (incl. holder for 3 elements)	Amber Red Yellow Green Blue Clear		3SB35 01-2GA01 3SB35 01-2GA21 3SB35 01-2GA31 3SB35 01-2GA41 3SB35 01-2GA51 3SB35 01-2GA71		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
		Non-illuminated, heavy-duty version	Black Red Green White		3SB35 00-2VA11 3SB35 00-2VA21 3SB35 00-2VA41 3SB35 00-2VA61		1 unit 1 unit 1 unit 1 unit
		Illuminated, heavy-duty version	Amber Red Yellow Green Blue Clear		3SB35 01-2VA01 3SB35 01-2VA21 3SB35 01-2VA31 3SB35 01-2VA41 3SB35 01-2VA51 3SB35 01-2VA71		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
Selector switch, 3 switch positions, heavy-duty version		Non-illuminated, heavy-duty version	Black Red Green White		3SB35 00-3VA11 3SB35 00-3VA21 3SB35 00-3VA41 3SB35 00-3VA61		1 unit 1 unit 1 unit 1 unit
Selector switch, 3 switch positions, long handle		Illuminated, long handle, heavy-duty version	Amber Red Yellow Green Blue Clear		3SB35 01-3UA01 3SB35 01-3UA21 3SB35 01-3UA31 3SB35 01-3UA41 3SB35 01-3UA51 3SB35 01-3UA71		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
	Switching sequence I-O-II, 2 x 50° operating angle, maintained to the left, momentary, to the right, spring return from the right	Non-illuminated, standard version ¹⁾	Black Red Green White		3SB35 00-2FA11 3SB35 00-2FA21 3SB35 00-2FA41 3SB35 00-2FA61		1 unit 1 unit 1 unit 1 unit
		Illuminated, standard version ¹⁾ (incl. holder for 3 elements)	Amber Red Yellow Green Blue Clear		3SB35 01-2FA01 3SB35 01-2FA21 3SB35 01-2FA31 3SB35 01-2FA41 3SB35 01-2FA51 3SB35 01-2FA71		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
		Non-illuminated, heavy-duty version	Black Red Green White		3SB35 00-2UA11 3SB35 00-2UA21 3SB35 00-2UA41 3SB35 00-2UA61		1 unit 1 unit 1 unit 1 unit
		Illuminated, heavy-duty version	Amber Red Yellow Green Blue Clear		3SB35 01-2UA01 3SB35 01-2UA21 3SB35 01-2UA31 3SB35 01-2UA41 3SB35 01-2UA51 3SB35 01-2UA71		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
		Non-illuminated, long handle	Black Red Green White		3SB35 00-3UA11 3SB35 00-3UA21 3SB35 00-3UA41 3SB35 00-3UA61		1 unit 1 unit 1 unit 1 unit
		Illuminated, long handle, heavy-duty version (incl. holder for 3 elements)	Amber Red Yellow Green Blue Clear		3SB35 01-3UA01 3SB35 01-3UA21 3SB35 01-3UA31 3SB35 01-3UA41 3SB35 01-3UA51 3SB35 01-3UA71		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit

 $[\]ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

3SB3, Metal, Round, 22 mm

Actuators and Indicators

	Version	Lock version			DT	Configurator	£03	PS
		Туре	Lock No./ color	Key removal position		Order No.	0.0	
						Order No.		
Key-operated switches wi	ith holder ¹⁾							
	Key-operated switches wi	th 2 keys, 2 swi	tch position	s				
	Switching sequence O-I,	RONIS	SB 30	O+I		3SB35 00-4AD11		1 unit
S. C. C.	50° operating angle, maintained			0		3SB35 00-4AD01 3SB35 00-4AD21		1 unit 1 unit
	O	CES	SSG 10	0+I		3SB35 00-4AD21 3SB35 00-4LD11		1 unit
	Ĭzl	OLS	330 10	0		3SB35 00-4LD01		1 unit
	V			I		3SB35 00-4LD21		1 unit
RONIS key-operated switch			LSG 1	O+I O		3SB35 00-4LF01 3SB35 00-4LF11		1 unit 1 unit
		BKS	S1	O+I		3SB35 00-5AD11		1 unit
		BINO	01	Ö		3SB35 00-5AD01		1 unit
				1		3SB35 00-5AD21		1 unit
		O.M.R. ²⁾	73038	O+I		3SB35 00-3AG11		1 unit
			Light blue	O I		3SB35 00-3AG01 3SB35 00-3AG21		1 unit 1 unit
			73037	O+I		3SB35 00-3AH11		1 unit
10			Red	0		3SB35 00-3AH01		1 unit
CES key aparated awitch			73034	O+I		3SB35 00-3AH21		1 unit 1 unit
CES key-operated switch			73034 Black	0+1		3SB35 00-3AJ11 3SB35 00-3AJ01		1 unit
				Ī		3SB35 00-3AJ21		1 unit
			73033	O+I		3SB35 00-3AK11		1 unit
			Yellow	0 I		3SB35 00-3AK01 3SB35 00-3AK21		1 unit 1 unit
	Switching sequence O-I,	RONIS	SB 30	0		3SB35 00-4BD01		1 unit
3	50° operating angle,	CES	SSG 10	0		3SB35 00-4MD01		1 unit
CONTROL OF THE PARTY OF THE PAR	momentary, spring return from the right		LSG 1	0		3SB35 00-4MF11		1 unit
3	0	BKS	S1	0		3SB35 00-5BD01		1 unit
BKS key-operated switch	 >	O.M.R. ²⁾	73038 Light blue	0		3SB35 00-3BG01		1 unit
			73037 Red	0		3SB35 00-3BH01		1 unit
			73034 Black	0		3SB35 00-3BJ01		1 unit
3			73033 Yellow	0		3SB35 00-3BK01		1 unit
O.M.R. key-operated switch								

 $\ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

For BKS and CES special locks see page 10/69

Siemens Industry, Inc. Industrial Controls Catalog 2

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Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

²⁾ According to FIAT standards; also available for other users.

3SB3, Metal, Round, 22 mm

• Revised • 11/15/14

Actuators and Indicators

	Version	Lock version	on	DT	Configurator	ردم	PS
	. 2. 5.6.1	Type	Lock No./	Key removal	2394.4.0.	£	, 0
		71	color	position	Order No.		
Key-operated switches wit	th holder ¹⁾						
	Key-operated switches with 2	keys, 3 sw	itch position	ıs			
	Switching sequence I-O-II, 2 x 50° operating angle, maintained	RONIS	SB 30	+O+ O + O+	3SB35 00-4DD11 3SB35 00-4DD01 3SB35 00-4DD41 3SB35 00-4DD21 3SB35 00-4DD31 3SB35 00-4DD51		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
RONIS key-operated switch	A	CES	SSG 10	O+I+II O I+II I	3SB35 00-4PD11 3SB35 00-4PD01 3SB35 00-4PD41 3SB35 00-4PD21 3SB35 00-4PD31		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
		BKS	S1	O O+I+II I II I+II	3SB35 00-5DD01 3SB35 00-5DD11 3SB35 00-5DD21 3SB35 00-5DD31 3SB35 00-5DD41		1 unit 1 unit
(0)		O.M.R. ²⁾	73038 Light blue	I+O+II	3SB35 00-3DG11		1 unit
CES key-operated switch			73037 Light blue	I+O+II O	3SB35 00-3DH11 3SB35 00-3DG01		1 unit 1 unit
			73034 Black	I+O+II O	3SB35 00-3DJ11 3SB35 00-3DJ01		1 unit 1 unit
	Switching sequence I-O-II,	RONIS	SB 30	0	3SB35 00-4ED01		1 unit
	2 x 50° operating angle, momentary, spring return from	CES	SSG 10	0	3SB35 00-4QD01		1 unit
	the left and right	BKS	S1	0	3SB35 00-5ED01		1 unit
		O.M.R.	73034 Black	Ο	3SB35 00-3EJ01		1 unit
BKS key-operated switch	Switching sequence I-O-II, 2 x 50° operating angle, momentary to the left,	RONIS	SB 30	O + II O II	3SB35 00-4GD61 3SB35 00-4GD01 3SB35 00-4GD31		1 unit 1 unit 1 unit
	spring return from the left, maintained to the right	CES	SSG 10	0 + II 0 II	3SB35 00-4SD61 3SB35 00-4SD01 3SB35 00-4SD31		1 unit 1 unit 1 unit
[B]	'	BKS	S1	O + II O II	3SB35 00-5GD61 3SB35 00-5GD01 3SB35 00-5GD31		1 unit 1 unit 1 unit
		O.M.R.	73033 Yellow	II	3SB35 00-3GK31		1 unit
O.M.R. key-operated switch			73034 Black	II	3SB35 00-3GJ31		1 unit
	Switching sequence I-O-II, 2 x 50° operating angle, maintained to the left,	RONIS	SB 30	O+I O I	3SB35 00-4FD51 3SB35 00-4FD01 3SB35 00-4FD21		1 unit 1 unit 1 unit
	momentary to the right, spring return from the right	CES	SSG 10	0+l 0 l	3SB35 00-4RD51 3SB35 00-4RD01 3SB35 00-4RD21		1 unit 1 unit 1 unit
	'\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	BKS	S1	O+I O I	3SB35 00-5FD51 3SB35 00-5FD01 3SB35 00-5FD21		1 unit 1 unit 1 unit

For online configurator see www.siemens.com/sirius/configurators .

For BKS and CES special locks see page 10/69

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

²⁾ According to FIAT standards; also available for other users.

Actuators and Indicators

	Version	Color of handle	Approval	DT	Configurator	£	PS
					Order No.		
EMERGENCY-STOP device with holder 1)2). Can also be	es according to ISO 13850 and IEC 609 e used with 3TK28 safety relays.	947-5-5,					
	EMERGENCY-STOP mushroom push buttons, Ø 32 mm, with positive latching according to ISO 13850, with rotate-to-unlatch mechanism • Standard version • Solvent-resistant				3SB35 00-1FA20 3SB35 00-1FA20-0PA0		1 unit 1 unit
Mushroom diameter 32 mm							
Mushroom diameter 40 mm, with rotate-to-unlatch mechanism, with switch position indication	EMERGENCY-STOP mushroom push buttons, Ø 40 mm, with positive latching according to ISO 13850, with rotate-to-unlatch mechanism • Without switch position indicator • Without switch position indicator, solvent-resistant • With mechanical switch position indication	Red	₽¥E		3SB35 00-1HA20 3SB35 00-1HA20-0PA0 3SB35 00-1HA26		1 unit 1 unit 1 unit
	EMERGENCY-STOP mushroom push buttons, Ø 40 mm, with positive latching according to ISO 13850, with pull-to-unlatch mechanism	Red	<u>Ô</u> E		3SB35 00-1TA20		1 unit
Mushroom diameter 40 mm, pull-to-unlatch mechanism	EMERGENCY-STOP mushroom push buttons, Ø 60 mm, with positive latching according to ISO 13850, with rotate-to-unlatch mechanism	Red	Ď [®] E		3SB35 00-1AA20		1 unit
Mushroom diameter 60 mm	EMERGENCY-STOP mushroom push buttons, Ø 40 mm with positive latching function with IKON lock Lock No. 360012K1, supplied with 2 keys, unlocking only possible using key	Red	DYE		3SB35 00-1UA20		1 unit
widshiddhi danleter do min	EMERGENCY-STOP mushroom push buttons, Ø 40 mm, with RONIS keyoperated switch (with 2 keys), lock No. SB 30, with positive latching according to ISO 13850, unlocking only possible using key	Red	<u>₽</u>		3SB35 00-1BA20		1 unit
Mushroom diameter 40 mm, with RONIS key-operated switch	EMERGENCY-STOP mushroom push buttons, Ø 40 mm, with CES key-operated switch, (with 2 keys), lock No. SSG 10, with positive latching according to ISO 13850, unlocking only possible using key	Red	Ď ^v E		3SB35 00-1KA20		1 unit
	EMERGENCY-STOP mushroom push buttons, Ø 40 mm, with BKS key-operated switch, (with 2 keys), lock No. S1, with positive latching according to ISO 13850, unlocking only possible using key	Red	Ď ^v E		3SB35 00-1LA20		1 unit
Mushroom diameter 40 mm, with CES key-operated switch	EMERGENCY-STOP mushroom push buttons, Ø 40 mm, with O.M.R. key-operated switch (with 2 keys), lock No. 73037, with positive latching according to ISO 13850, unlocking only using key	Red	<u>D</u> VE		3SB35 00-1MA20		1 unit
	Wobble Stick				3SB35 00-7CB61		

For online configurator see www.siemens.com/sirius/configurators

 Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

2)Yellow backing plates must be ordered separately; see "Accessories" on page 10/84.

For BKS and CES special locks see page 10/69

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3SB3, Metal, Round, 22 mm

Actuators and Indicators

	Version	Color of lens	DT	Configurator	£03	PS
				Order No.		
Signaling elements v	with holder ¹⁾					
	Indicator lights with lens with concentric rings ²⁾	Amber Red Yellow Green Blue White Clear		3SB35 01-6BA00 3SB35 01-6BA20 3SB35 01-6BA30 3SB35 01-6BA40 3SB35 01-6BA50 3SB35 01-6BA60 3SB35 01-6BA70		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
Indicator light with smooth lens	Indicator lights with smooth lens ²⁾	Amber Red Yellow Green Blue White Clear		3SB35 01-6AA00 3SB35 01-6AA20 3SB35 01-6AA30 3SB35 01-6AA40 3SB35 01-6AA50 3SB35 01-6AA60 3SB35 01-6AA70		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
	Indicator lights with smooth solvent-resistant lens ²⁾³⁾	Red Yellow Green Blue White Clear		3SB35 01-6AA20-0PA0 3SB35 01-6AA30-0PA0 3SB35 01-6AA40-0PA0 3SB35 01-6AA50-0PA0 3SB35 01-6AA60-0PA0 3SB35 01-6AA70-0PA0		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit

To ronline configurator see www.siemens.com/sirius/configurators .

Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

 $^{^{2)}\,}$ Inscription by inserting a label is not possible.

³⁾ Not suitable for laser inscription.

Push Button Units and Indicator Lights 3SB3, Plastic, Round, 22 mm

Complete units

Selection and ordering data

	Rated voltage of lamp	Color of handle	Contacts for front plate	DT	Screw terminals	+	DT	Spring-type terminals	$\stackrel{\circ}{\mathbb{H}}$
			mounting		Configurator	£03		Configurator	€€}}
	V				Order No.			Order No.	
Push buttons									
	Push buttons wit				20022 02 04 411			20022 02 04 411 0000	
	_	Black Black Red Yellow Green Blue White	1 NO 1 NC 1 NC 1 NO 1 NO 1 NO 1 NO		3SB32 02-0AA11 3SB32 03-0AA11 3SB32 03-0AA21 3SB32 02-0AA31 3SB32 02-0AA41 3SB32 02-0AA51 3SB32 02-0AA61			3SB32 02-0AA11-0CC0 3SB32 03-0AA11-0CC0 3SB32 03-0AA21-0CC0 3SB32 02-0AA31-0CC0 3SB32 02-0AA41-0CC0 3SB32 02-0AA51-0CC0 3SB32 02-0AA61-0CC0	
Push button with flat button		Black Red Yellow Green Blue White	1 NO + 1 NC 1 NO + 1 NC		3SB32 01-0AA11 3SB32 01-0AA21 3SB32 01-0AA31 3SB32 01-0AA41 3SB32 01-0AA51 3SB32 01-0AA61			3SB32 01-0AA11-0CC0 3SB32 01-0AA21-0CC0 3SB32 01-0AA31-0CC0 3SB32 01-0AA41-0CC0 3SB32 01-0AA51-0CC0 3SB32 01-0AA61-0CC0	
	Push Button with monentary	extended b	utton						
		Black Black Red Yellow Blue White	1 NO 1 NC 1 NC 1 NO 1 NO 1 NO		3SB3202-0BA11 3SB3203-0BA11 3SB3203-0BA21 3SB3202-0BA31 3SB3202-0BA51 3SB3202-0BA61			_ _ _ _	
		Black Red Yellow Blue White	1 NO + 1 NC 1 NO + 1 NC 1 NO + 1 NC 1 NO + 1 NC 1 NO + 1 NC		3SB3201-0BA11 3SB3201-0BA21 3SB3201-0BA31 3SB3201-0BA51 3SB3201-0BA61				
	Illuminated push	buttons with	n flat button		OODOZOT ODAOT				
	with integrated LE 24 AC/DC	Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NC 1 NO 1 NO 1 NO 1 NO 1 NO 1 NO 1 NO		3SB32 46-0AA21 3SB32 45-0AA31 3SB32 45-0AA41 3SB32 45-0AA51 3SB32 45-0AA61 3SB32 45-0AA71			3SB32 46-0AA21-0CC0 3SB32 45-0AA31-0CC0 3SB32 45-0AA41-0CC0 3SB32 45-0AA51-0CC0 3SB32 45-0AA61-0CC0 3SB32 45-0AA71-0CC0	
Illuminated push button	24 AC/DC	Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NO + 1 NC 1 NO + 1 NC		3SB32 47-0AA21 3SB32 47-0AA31 3SB32 47-0AA41 3SB32 47-0AA51 3SB32 47-0AA61 3SB32 47-0AA71			3SB32 47-0AA21-0CC0 3SB32 47-0AA31-0CC0 3SB32 47-0AA41-0CC0 3SB32 47-0AA51-0CC0 3SB32 47-0AA61-0CC0 3SB32 47-0AA71-0CC0	
with flat button	110 AC	Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NC 1 NO 1 NO 1 NO 1 NO 1 NO		3SB32 50-0AA21 3SB32 57-0AA31 3SB32 57-0AA41 3SB32 57-0AA51 3SB32 57-0AA61 3SB32 57-0AA71			_ _ _ _	
	110 AC	Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NO + 1 NC 1 NO + 1 NC		3SB32 51-0AA21 3SB32 51-0AA31 3SB32 51-0AA41 3SB32 51-0AA51 3SB32 51-0AA61 3SB32 51-0AA71			_ _ _ _	
	230 AC	Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NC 1 NO 1 NO 1 NO 1 NO 1 NO 1 NO		3SB32 54-0AA21 3SB32 53-0AA31 3SB32 53-0AA41 3SB32 53-0AA51 3SB32 53-0AA61 3SB32 53-0AA71			3SB32 54-0AA21-0CC0 3SB32 53-0AA31-0CC0 3SB32 53-0AA41-0CC0 3SB32 53-0AA51-0CC0 3SB32 53-0AA61-0CC0 3SB32 53-0AA71-0CC0	
	230 AC	Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NO + 1 NC 1 NO + 1 NC		3SB32 55-0AA21 3SB32 55-0AA31 3SB32 55-0AA41 3SB32 55-0AA51 3SB32 55-0AA61 3SB32 55-0AA71			3SB32 55-0AA21-0CC0 3SB32 55-0AA31-0CC0 3SB32 55-0AA41-0CC0 3SB32 55-0AA51-0CC0 3SB32 55-0AA61-0CC0 3SB32 55-0AA71-0CC0	

 $[\]ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

¹⁾ Inscription is possible by inserting a label.

Push Button Units and Indicator Lights 3SB3, Plastic, Round, 22 mm

	Color of handle	Contacts	DT	Screw terminals	(P)	DT	Spring-type terminals	8
		for front plate mounting		Configurator	£		Configurator	₹ <u>`</u> `}
				Order No.			Order No.	200
Push buttons								
		buttons with flat button older, without lamp elements)						
	Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NC 1 NO 1 NO 1 NO 1 NO 1 NO 1 NO		3SB32 07-0AA21 3SB32 06-0AA31 3SB32 06-0AA41 3SB32 06-0AA51 3SB32 06-0AA61 3SB32 06-0AA71			3SB32 07-0AA21-0CC0 3SB32 06-0AA31-0CC0 3SB32 06-0AA41-0CC0 3SB32 06-0AA51-0CC0 3SB32 06-0AA61-0CC0 3SB32 06-0AA71-0CC0	
Illuminated push button with flat button	Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NO + 1 NC 1 NO + 1 NC		3SB32 05-0AA21 3SB32 05-0AA31 3SB32 05-0AA41 3SB32 05-0AA51 3SB32 05-0AA61 3SB32 05-0AA71			3SB32 05-0AA21-0CC0 3SB32 05-0AA31-0CC0 3SB32 05-0AA41-0CC0 3SB32 05-0AA51-0CC0 3SB32 05-0AA61-0CC0 3SB32 05-0AA71-0CC0	
		buttons with flat button older with incandescent lamp						
	Red Red Yellow Green Blue White Clear	1 NC 1 NO + 1 NC		3SB3213-0AA21 3SB3221-0AA21 3SB3221-0AA31 3SB3221-0AA41 3SB3221-0AA61 3SB3221-0AA61 3SB3221-0AA71			- - - - - -	
		buttons with flat button older with incandescent lamp						
	Red Yellow Green Blue White Clear	1 NC 1 NO 1 NO 1 NO 1 NO 1 NO 1 NO		3SB3216-0AA21 3SB3214-0AA31 3SB3214-0AA41 3SB3214-0AA51 3SB3214-0AA61 3SB3214-0AA71			- - - - -	
	Red Yellow Green Blue White Clear	1 NO + 1 NC 1 NO + 1 NC		3SB3213-0AA21 3SB3213-0AA31 3SB3213-0AA41 3SB3213-0AA51 3SB3213-0AA61 3SB3213-0AA71			- - - - -	
Mushroom push but		pull buttons, Ø 40 mm, main-						
	tained, with pull-to-unlate							
	Red	1 NC 1 NO + 1 NC		3SB32 03-1CA21 3SB32 01-1CA21			3SB32 03-1CA21-0CC0 3SB32 01-1CA21-0CC0	
Mushroom push-pull button								

 $[\]ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

¹⁾ Inscription is possible by inserting a label.

Selector switches	
	Selec Switch Latchi
Selector switch	Switch Latch
	Selec switch
	Latch

	Version	Color of handle/	Contacts for front plate	DT	Screw terminals	DT	Spring-type terminals	8
		Lock No.	mounting		Configurator	3	Configurator	£55
					Order No.		Order No.	
3								
	Selector switcher Switching sequen							
	Latching	Black	1 NO		3SB32 02-2KA11		3SB32 02-2KA11-0CC0	
	O I		1 NO + 1 NC		3SB32 01-2KA11		3SB32 01-2KA11-0CC0	
	Selector switcher Switching sequer							
	Latching	Black	1 NO		3SB32 02-2HA11		-	
	0		1 NO + 1 NC		3SB32 01-2HA11		-	
	Selector switcher switching sequer		sitions)° operating angle					
	Latching	Black	1 NO, 1 NO		3SB32 10-2DA11		3SB32 10-2DA11-0CC0	
			1 NO + 1 NC, 1 NO + 1 NC		3SB32 08-2DA11		3SB32 08-2DA11-0CC0	
	Momentary,	Black	1 NO, 1 NO		3SB32 10-2EA11		3SB32 10-2EA11-0CC0	
	spring return from left and right		1 NO + 1 NC, 1 NO + 1 NC		3SB32 08-2EA11		3SB32 08-2EA11-0CC0	
	1							
tcl	nes							

Key-operated swit



RONIS key-operated switches, 2 switch positions

with 2 keys, removal position O + I, switching sequence O-I, 50° operating angle Latching SB 30 1 NO

1 NO + 1 NC

Switching sequence I–O–II, maintained, operating angle 2 $\times\,50^\circ$

Latching SB 30 1 NO, 1 NO 0

1 NO + 1 NC, 1 NO + 1 NC

3SB32 08-4DD11

3SB32 02-4AD11-0CC0

3SB32 01-4AD11-0CC0

Twin push buttons



Twin push buttons, with flat, square buttons1)

With I/O inscrip- White/White 1 NO + 1 NC, 1 NO + 1 NC tion

3SB31 00-8AC61

3SB32 02-4AD11

3SB32 01-4AD11

3SB32 10-4DD11

Twin push button with flat buttons

 $\ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

¹⁾ Mounting the twin push buttons in 3SB38 enclosure is not possible. For accessories see page 10/55.

3SB3, Plastic, Round, 22 mm



 $[\]ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

[→] Positive opening according to IEC 60947-5-1, Appendix K. Can be used with 3TK28 safety relays. Certificate:



Push Button Units and Indicator Lights 3SB3, Plastic, Round, 22 mm

	Rated voltage of lamp	Color of lens	DT	Screw terminals	Ð [TC	Spring-type terminals	$\overset{\infty}{\square}$	
				Configurator	5		Configurator	£03	
	V			Order No.			Order No.		
Indicator lights									
	Indicator lights with sm with integrated LED	ooth lens ¹⁾							
Indicator light with smooth lens	24 AC/DC	Red Yellow Green Blue White Clear		3SB32 44-6AA20 3SB32 44-6AA30 3SB32 44-6AA40 3SB32 44-6AA50 3SB32 44-6AA60 3SB32 44-6AA70			3SB32 44-6AA20-0CC0 3SB32 44-6AA30-0CC0 3SB32 44-6AA40-0CC0 3SB32 44-6AA50-0CC0 3SB32 44-6A60-0CC0 3SB32 44-6AA70-0CC0		
	110 AC	Red Yellow Green Blue White Clear		3SB32 48-6AA20 3SB32 48-6AA30 3SB32 48-6AA40 3SB32 48-6AA50 3SB32 48-6AA60 3SB32 48-6AA70					
	230 AC	Red Yellow Green Blue White Clear		3SB32 52-6AA20 3SB32 52-6AA30 3SB32 52-6AA40 3SB32 52-6AA50 3SB32 52-6AA60 3SB32 52-6AA70			3SB32 52-6AA20-0CC0 3SB32 52-6AA30-0CC0 3SB32 52-6AA40-0CC0 3SB32 52-6AA50-0CC0 3SB32 52-6AA60-0CC0 3SB32 52-6AA60-0CC0		
	With BA 9s lamp holder, v	without lamp							
		Red Yellow Green Blue White Clear		3SB32 04-6AA20 3SB32 04-6AA30 3SB32 04-6AA40 3SB32 04-6AA50 3SB32 04-6AA60 3SB32 04-6AA70			3SB32 04-6AA20-0CC0 3SB32 04-6AA30-0CC0 3SB32 04-6AA40-0CC0 3SB32 04-6AA50-0CC0 3SB32 04-6AA60-0CC0 3SB32 04-6AA70-0CC0		
	With BA 9s lamp holde w	ith lamp (130 V)							
	24 V AC/DC	Red Yellow Green Blue White Clear		3SB32 17-6AA20 3SB32 17-6AA30 3SB32 17-6AA40 3SB32 17-6AA50 3SB32 17-6AA60 3SB32 17-6AA70			- - - - -		
	With BA 9s lamp holder v	vith lamp (130 V)							
	230 V AC/DC	Red Yellow Green Blue White Clear		3SB32 12-6AA20 3SB32 12-6AA30 3SB32 12-6AA40 3SB32 12-6AA50 3SB32 12-6AA60 3SB32 12-6AA70			3SB32 12-6AA20-0CC0 3SB32 12-6AA30-0CC0 3SB32 12-6AA40-0CC0 3SB32 12-6AA50-0CC0 3SB32 12-6AA60-0CC0 3SB32 12-6AA70-0CC0		

To online configurator see www.siemens.com/sirius/configurators .

¹⁾ Inscription by inserting a label is not possible.

Push Button Units and Indicator Lights 3SB3, Plastic, Round, 22 mm

Revised11/15/14

	Rated voltage of lamp	Color of lens	DT	Screw terminals		DT	Spring-type terminals	8
				Configurator	£03		Configurator	£0,3
	V			Order No.			Order No.	
Indicator lights								
Pig.	Indicator lights with len with concentric rings ¹⁾ with integrated LED	s						
Indicator light with lens with concentric rings	24 AC/DC	Red Yellow Green Blue White Clear		3SB32 44-6BA20 3SB32 44-6BA30 3SB32 44-6BA40 3SB32 44-6BA50 3SB32 44-6BA60 3SB32 44-6BA70			3SB32 44-6BA20-0CC0 3SB32 44-6BA30-0CC0 3SB32 44-6BA40-0CC0 3SB32 44-6BA50-0CC0 3SB32 44-6BA60-0CC0 3SB32 44-6BA70-0CC0	
	110 AC	Red Yellow Green Blue White Clear		3SB32 48-6BA20 3SB32 48-6BA30 3SB32 48-6BA40 3SB32 48-6BA50 3SB32 48-6BA60 3SB32 48-6BA70			_ _ _	
	230 AC	Red Yellow Green Blue White Clear		3SB32 52-6BA20 3SB32 52-6BA30 3SB32 52-6BA40 3SB32 52-6BA50 3SB32 52-6BA60 3SB32 52-6BA70			3SB32 52-6BA20-0CC0 3SB32 52-6BA30-0CC0 3SB32 52-6BA40-0CC0 3SB32 52-6BA50-0CC0 3SB32 52-6BA60-0CC0 3SB32 52-6BA70-0CC0	
	With BA 9s lamp holder, v	vithout lamp						
		Amber Red Yellow Green Blue White Clear		3SB32 04-6BA00 3SB32 04-6BA20 3SB32 04-6BA30 3SB32 04-6BA40 3SB32 04-6BA50 3SB32 04-6BA60 3SB32 04-6BA70				
	With BA 9s lamp holder, v	vith LED						
	130 AC	Amber Red Yellow Green Blue White Clear		3SB32 40-6BA00 3SB32 40-6BA20 3SB32 40-6BA30 3SB32 40-6BA40 3SB32 40-6BA50 3SB32 40-6BA60 3SB32 40-6BA70			_ _ _ _	
	With BA 9s lamp holder v LED lamp	vith						
	24 V AC/DC	Red Yellow Green Blue White Clear		3SB32 36-6BA20 3SB32 36-6BA30 3SB32 36-6BA40 3SB32 36-6BA50 3SB32 36-6BA60 3SB32 36-6BA70			_ _ _ _	
	With integrated LED 230 AC	Red Yellow Green Blue White Clear		3SB32 52-6BA20 3SB32 52-6BA30 3SB32 52-6BA40 3SB32 52-6BA50 3SB32 52-6BA60 3SB32 52-6BA70			3SB32 52-6BA20-0CC0 3SB32 52-6BA30-0CC0 3SB32 52-6BA40-0CC0 3SB32 52-6BA50-0CC0 3SB32 52-6BA60-0CC0 3SB32 52-6BA70-0CC0	

To ronline configurator see www.siemens.com/sirius/configurators

¹⁾ Inscription by inserting a label is not possible.

Push Button Units and Indicator Lights 3SB3, Plastic, Round, 22 mm

_		4.0
Com	nlete	units
	DICEC	dilito

	Version	Rated voltage of lamp	Color of lens	DT	Screw terminals	+	PS
					Configurator	£03	
		V			Order No.		
Signaling devices							,
	Acoustic signaling devices, IP65	1)					
	Continuous tone 2.4 kHz, operational current min. 4 mA,	24 AC/DC 115 AC/DC	Black		3SB32 33-7BA10 3SB32 34-7BA10		1 unit 1 unit
Emily 37	sound pressure min. 80 dB/10 cm	230 AC/DC			3SB32 35-7BA10		1 unit
(FII)	$X1 \longrightarrow X2$ $(L+) \longrightarrow (L-)$ NSD0_00003						
Acoustic signaling device							

 $\ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

¹⁾ Mounting in 3SB38 enclosures only with the 3SB3400-1A lamp holder for front plate mounting, which is included.

	Version	Degree of protection	Color of handle	Without connection	PS
				Order No.	
Special devices					
	Actuators for potentiometers ²⁾³⁾				
311 ·	With shaft Ø 6 mm, 30 32 mm long	IP65	_	3SB10 00-7CH07	1 unit
Potentiometer drive					
	Push buttons with extended strot for actuating relays	ke ²⁾			
	12 mm stroke	IP65	Black	3SB30 00-0EA11	1 unit
Push buttons with 12 mm stroke					
	Mechanical Reset)				
	Overload reset adapter Reset Push Button IP65 Ø 22mm, 12 mm stroke	S00 to S10/S12	_	3RU19 00-1A	1 unit
	Reset extension Complete assembly	S10/S12		3SX1335 3SBES-RESET	1 unit 1 unit

²⁾ Mounting in 3SB38 enclosure is not possible.

 $^{^{}m 3)}$ The potentiometer is not included in the scope of supply.

3SB3, Plastic, Round, 22 mm

Actuators and Indicators

Selection and ordering data

	Version	Inscriptions	Color of handle D	Т	Configurator	PS
					Order No.	
Push buttons with hold	ler ¹⁾					
	Push buttons with flat button		Black Red Yellow Green Blue White Gray Clear ²⁾		3SB30 00-0AA11 3SB30 00-0AA21 3SB30 00-0AA31 3SB30 00-0AA41 3SB30 00-0AA51 3SB30 00-0AA61 3SB30 00-0AB51 3SB30 00-0AA71	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
With flat button		I O I O R	Green Red White Black Blue		3SB30 00-0AA81 3SB30 00-0AB01 3SB30 00-0AB11 3SB30 00-0AB21 3SB30 00-0AC81	1 unit 1 unit 1 unit 1 unit 1 unit
With raised button		Down Up Forward Reverse On Start Reset	Black Black Black Black Green Red Blue		3SB30 00-0AA11-ZEE 3SB30 00-0AA11-ZED 3SB30 00-0AA11-ZEF 3SB30 00-0AA11-ZEG 3SB30 00-0AA11-ZEB 3SB30 00-0AA11-ZEL 3SB30 00-0AA11-ZEL	1 unit
The reason solution	Push buttons with raised button	Off Stop	Black Red Yellow Green Blue White Red Red		3SB30 00-0BA11 3SB30 00-0BA21 3SB30 00-0BA31 3SB30 00-0BA41 3SB30 00-0BA51 3SB30 00-0BA61 3SB30 00-0BA21-ZEC 3SB30 00-0BA21-ZEC	1 unit 1 unit 1 unit 1 unit 1 unit
THE STATE OF THE S	Push buttons with raised button, maintained by pressing in and turning to the right, unlatches by turning to the left	·	Black Red		3SB30 00-0CA11 3SB30 00-0CA21	1 unit 1 unit
With soled butter major	Push buttons with raised front ring (height 13 mm)		Black Red Yellow Green Blue White		3SB30 00-0AA12 3SB30 00-0AA22 3SB30 00-0AA32 3SB30 00-0AA42 3SB30 00-0AA52 3SB30 00-0AA62	1 unit 1 unit 1 unit 1 unit 1 unit
With raised button, maintained	Push buttons with raised front ring, castellated (height 13 mm)		Black Red Yellow Green Blue White		3SB30 00-0AA13 3SB30 00-0AA23 3SB30 00-0AA33 3SB30 00-0AA43 3SB30 00-0AA53 3SB30 00-0AA63	1 unit 1 unit 1 unit 1 unit
With raised front ring	Illuminated push buttons with flat button (incl. holder for 3 elements)		Amber ²⁾ Red ²⁾ Yellow ²⁾ Green ²⁾ Blue ²⁾ White Clear ²⁾		3SB30 01-0AA01 3SB30 01-0AA21 3SB30 01-0AA31 3SB30 01-0AA41 3SB30 01-0AA51 3SB30 01-0AA61 3SB30 01-0AA71	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
	Illuminated push buttons with raised button (incl. holder for 3 elements)		Red Yellow Green Blue Clear		3SB30 01-0BA21 3SB30 01-0BA31 3SB30 01-0BA41 3SB30 01-0BA51 3SB30 01-0BA71	1 unit 1 unit 1 unit 1 unit 1 unit
With raised front ring, castellated	Push buttons with flat button, maintained, unlatches by press- ing again		Black Red Yellow Green Blue White Gray		3SB30 00-0DA11 3SB30 00-0DA21 3SB30 00-0DA31 3SB30 00-0DA41 3SB30 00-0DA51 3SB30 00-0DA61 3SB30 00-0DB51	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
	Illuminated push buttons with flat button, maintained, unlatches by press- ing again (incl. holder for 3 elements)		Red ²) Yellow ²) Green ²) Blue ²) White Clear ²)		3SB30 01-0DA21 3SB30 01-0DA31 3SB30 01-0DA41 3SB30 01-0DA51 3SB30 01-0DA61 3SB30 01-0DA71	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
Illuminated push button with raised button						

 $[\]ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

 $^{^{2)}}$ Inscription is possible by inserting a label.

Push Button Units and Indicator Lights 3SB3, Plastic, Round, 22 mm

Actuators and Indicators

	Version	Color of han- DT	Configurator ${\circ}$	PS
		dle	Order No.	
Mushroom push buttons	with holder(1)2)			
Mushroom push buttons	Mushroom push buttons, Ø 30 mm	Black Red Yellow Green	3SB30 00-1DA11 3SB30 00-1DA21 3SB30 00-1DA31 3SB30 00-1DA41	1 unit 1 unit 1 unit 1 unit
	Mushroom push buttons, Ø 40 mm	Black Red Yellow Green	3SB30 00-1GA11 3SB30 00-1GA21 3SB30 00-1GA31 3SB30 00-1GA41	1 unit 1 unit 1 unit 1 unit
	Mushroom push buttons, Ø 60 mm	Black Red Yellow Green	3SB30 00-1QA11 3SB30 00-1QA21 3SB30 00-1QA31 3SB30 00-1QA41	1 unit 1 unit 1 unit 1 unit
	Illuminated mushroom push buttons, Ø 30 mm (incl. holder for 3 elements)	Red Yellow Green Blue White Clear	3SB30 01-1DA21 3SB30 01-1DA31 3SB30 01-1DA41 3SB30 01-1DA51 3SB30 01-1DA61 3SB30 01-1DA71	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
	Illuminated mushroom push buttons, Ø 40 mm (incl. holder for 3 elements)	Yellow Green White	3SB30 01-1GA31 3SB30 01-1GA41 3SB30 01-1GA61	1 unit 1 unit 1 unit
	Push-pull buttons, Ø 30 mm, maintained, pull to unlatch	Black Red	3SB30 00-1EA11 3SB30 00-1EA21	1 unit 1 unit
The Park of the	Push-pull buttons, Ø 40 mm, maintained, pull to unlatch	Black Red	3SB30 00-1CA11 3SB30 00-1CA21	1 unit 1 unit
	Push-pull buttons, Ø 60 mm, maintained, pull to unlatch	Black Red	3SB30 00-1RA11 3SB30 00-1RA21	1 unit 1 unit
	Push-pull buttons, Ø 30 mm, can be illuminated, maintained, pull to unlatch, (incl. holder for 3 elements)	Red Yellow Green Blue Clear	3SB30 01-1EA21 3SB30 01-1EA31 3SB30 01-1EA41 3SB30 01-1EA51 3SB30 01-1EA71	1 unit 1 unit 1 unit 1 unit 1 unit
	Push-pull buttons, Ø 40 mm, can be illuminated, maintained, pull to unlatch (incl. holder for 3 elements)	Red Yellow Green Blue Clear	3SB30 01-1CA21 3SB30 01-1CA31 3SB30 01-1CA41 3SB30 01-1CA51 3SB30 01-1CA71	1 unit 1 unit 1 unit 1 unit 1 unit

 $[\]ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

²⁾ Maximum permissible equipment: 3 single-pole or 2 double-pole contact blocks. When using the 3SB39 01-0AB holder, the central command point must not be empty.

3SB3, Plastic, Round, 22 mm

Actuators and Indicators

	Version	Version Illumination	Color of han- D	OT Configurator	۩ P
				Order No.	
Selector switches wi	th holder ¹⁾				
	Selector switches with 2 switch pe	ositions			
	Switching sequence O-I, 90° operating angle, maintained O	Non-illuminated	Black Red Green White	3SB30 00-2HA11 3SB30 00-2HA21 3SB30 00-2HA41 3SB30 00-2HA61	1 u 1 u 1 u 1 u
	V	Illuminated (incl. holder for 3 elements)	Red Yellow Green Blue Clear	3SB30 01-2HA21 3SB30 01-2HA31 3SB30 01-2HA41 3SB30 01-2HA51 3SB30 01-2HA71	1 u 1 u 1 u 1 u 1 u
Non-illuminated	Switching sequence O-I, 50° operating angle, maintained OI	Non-illuminated	Black Red Green White	3SB30 00-2KA11 3SB30 00-2KA21 3SB30 00-2KA41 3SB30 00-2KA61	1 u 1 u 1 u 1 u
		Illuminated (incl. holder for 3 elements)	Red Yellow Green Blue Clear	3SB30 01-2KA21 3SB30 01-2KA31 3SB30 01-2KA41 3SB30 01-2KA51 3SB30 01-2KA71	1 u 1 u 1 u 1 u 1 u
50° operating a	Switching sequence O-I, 50° operating angle, momentary, spring apart from right	Non-illuminated	Red Green White	3SB30 00-2LA11 3SB30 00-2LA21 3SB30 00-2LA41 3SB30 00-2LA61	1 u 1 u 1 u 1 u
	A	Illuminated (incl. holder for 3 elements)	Red Yellow Green Blue Clear	3SB30 01-2LA21 3SB30 01-2LA31 3SB30 01-2LA41 3SB30 01-2LA51 3SB30 01-2LA71	1 u 1 u 1 u 1 u 1 u
	Selector switches with 3 switch pe				
All y	Switching sequence I-O-II, 2 x 50° operating angle, maintained	Non-illuminated	Black Red Green White	3SB30 00-2DA11 3SB30 00-2DA21 3SB30 00-2DA41 3SB30 00-2DA61	1 u 1 u 1 u 1 u
	_\	Illuminated (incl. holder for 3 elements)	Red Yellow Green Blue Clear	3SB30 01-2DA21 3SB30 01-2DA31 3SB30 01-2DA41 3SB30 01-2DA51 3SB30 01-2DA71	1 u 1 u 1 u 1 u 1 u
Non-illuminated	Switching sequence I-O-II, 2 x 50° operating angle, momentary, spring return from left and right	Non-illuminated	Black Red Green White	3SB30 00-2EA11 3SB30 00-2EA21 3SB30 00-2EA41 3SB30 00-2EA61	1 u 1 u 1 u 1 u
		Illuminated (incl. holder for 3 elements)	Red Yellow Green Blue Clear	3SB30 01-2EA21 3SB30 01-2EA31 3SB30 01-2EA41 3SB30 01-2EA51 3SB30 01-2EA71	1 u 1 u 1 u 1 u 1 u
Illuminated	Switching sequence I-O-II, 2 x 50° operating angle, momentary to the left, spring return to the left, maintained to the right	Non-illuminated	Black Red Green White	3SB30 00-2GA11 3SB30 00-2GA21 3SB30 00-2GA41 3SB30 00-2GA61	1 u 1 u 1 u 1 u
		Illuminated (incl. holder for 3 elements)	Red Yellow Green Blue Clear	3SB30 01-2GA21 3SB30 01-2GA31 3SB30 01-2GA41 3SB30 01-2GA51 3SB30 01-2GA71	1 u 1 u 1 u 1 u 1 u
	Switching sequence I-O-II, 2 x 50° operating angle, maintained to the left, momentary to the right, spring return from the right		Red Green White	3SB30 00-2FA11 3SB30 00-2FA21 3SB30 00-2FA41 3SB30 00-2FA61	1 u 1 u 1 u 1 u
		Illuminated (incl. holder for 3 elements)	Red Yellow Green Blue Clear	3SB30 01-2FA21 3SB30 01-2FA31 3SB30 01-2FA41 3SB30 01-2FA51 3SB30 01-2FA71	1 u 1 u 1 u 1 u 1 u

To ronline configurator see www.siemens.com/sirius/configurators .

Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

Actuators and Indicators

	Version	Lock version Type	Lock No./	D Key removal	ТС	Configurator	£03	PS
			color	position	C	Order No.		
Key-operated switches wi	th holder ¹⁾							
ntoy oporatou ountoneo un	Key-operated switches wit	h 2 kevs. 2 swit	ch positions	.				
	Switching sequence O-I, 50° operating angle, maintained	RONIS	SB 30	O+I O I	3	SB30 00-4HD11 SB30 00-4HD01 ISB30 00-4HD21		1 unit 1 unit 1 unit
RONIS key-operated switch	Switching sequence O-I, 50° operating angle, maintained	RONIS	SB 30	O+I O I	3	SB30 00-4AD11 SB30 00-4AD01 SB30 00-4AD21		1 unit 1 unit 1 unit
		CES	SSG 10	O+I O I	3	SB30 00-4LD11 SB30 00-4LD01 SB30 00-4LD21		1 unit 1 unit 1 unit
			LSG 1	0+I 0		SB30 00-4LF01 SB30 00-4LF11		1 unit 1 unit
		CES with key monitoring ²⁾	SSG 10	0	3	SB30 00-4LD05		1 unit
		BKS	S1	O+I O I	3	SB30 00-5AD11 SB30 00-5AD01 SB30 00-5AD21		1 unit 1 unit 1 unit
CES key-operated switch		O.M.R. ³⁾	73038 Light blue	O+I O		SB30 00-3AG11 SB30 00-3AG01		1 unit 1 unit
			73037 Red	O+I O		SB30 00-3AH11 SB30 00-3AH01		1 unit 1 unit
			73034 Black	O+I O I	3	SB30 00-3AJ11 SB30 00-3AJ01 SB30 00-3AJ21		1 unit 1 unit 1 unit
			73033 Yellow	O+I O		SB30 00-3AK11 SB30 00-3AK01		1 unit 1 unit
	Switching sequence O-I,	RONIS	SB 30	0	3	SB30 00-4BD01		1 unit
BKS key-operated switch	50° operating angle, momentary, spring return	CES	SSG 10	0	3	SB30 00-4MD01		1 unit
	from the right		LSG 1	0	3	SB30 00-4MF11		1 unit
	0	BKS	S1	0	_	SB30 00-5BD01		1 unit
	\mathrew\'\	O.M.R. ³⁾	73038 Light blue	0		SB30 00-3BG01		1 unit
			73037 Red	0	3	SB30 00-3BH01		1 unit
. 3)			73034 Black	0	3	SB30 00-3BJ01		1 unit
O.M.R. key-operated switch			73033 Yellow	0	3	SB30 00-3BK01		1 unit

 $\ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

Special locks can be ordered only with order code "Y01".

3) According to FIAT standards; also available for other users.

For BKS and CES special locks see page 10/69.

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Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

²⁾ For locks with key monitoring the supplied 3SB39 01-0AB holder must be used.

The key scan is performed by a 3SB34 single-pole NC contact block which must be snap-mounted in the center position. Scanning of the switch positions must be performed by additional contact blocks which are snap-mounted on the actuator.

3SB3, Plastic, Round, 22 mm

Actuators and Indicators

	Version	Lock version			DT Co	onfigurator	र्ेट्रे	PS
		Туре	Lock No./ color	Key removal position			200	
			COIOI	position	Or	der No.		
Key-operated switches w	vith holder ¹⁾							
	Key-operated switches with 2	2 keys, 3 switc	h positions					
	Switching sequence I-O-II, 2 x 50° operating angle, maintained	RONIS	SB 30	+O+ O + 	3S 3S 3S	6B30 00-4DD11 6B30 00-4DD01 6B30 00-4DD41 6B30 00-4DD21 6B30 00-4DD31		1 un 1 un 1 un 1 un 1 un
	' \ "		200 10	0+1	38	B30 00-4DD51		1 un
RONIS key-operated switch		CES	SSG 10	+O+ O O+ + 	3S 3S 3S	6B30 00-4PD11 6B30 00-4PD01 6B30 00-4PD51 6B30 00-4PD41 6B30 00-4PD21 6B30 00-4PD31		1 un 1 un 1 un 1 un 1 un 1 un
		CES with key monitoring	SSG 10	0	38	B30 00-4PD05		1 un
		BKS	S1		38	B30 00-5DD11 B30 00-5DD31 B30 00-5DD01		1 un 1 un 1 un
ES key-operated switch		O.M.R. ³⁾	73038 Light blue	I+O+II O	38	B30 00-3DG11 B30 00-3DG01		1 un 1 un
			73037 Red	0 0+l	38	B30 00-3DH01 B30 00-3DH51		1 un 1 un
			73034 Black 73033	I+O+II O I+O+II	38	6B30 00-3DJ11 6B30 00-3DJ01 6B30 00-3DK11		1 un 1 un 1 un
			Yellow	1+0+11	33	DB30 00-3DK11		i uii
	Switching sequence I-O-II, 2 x 50° operating angle,	RONIS	SB 30	0		B30 00-4ED01		1 un
	momentary, spring return from	CES BKS	SSG 10 S1	0		B30 00-4QD01 B30 00-5ED01		1 ur
KS key-operated switch	left and right	O.M.R. ³⁾	73034	0		B30 00-3EJ01		1 un 1 un
. 4.7.17	' √ '>"		73037 Red	0	38	B30 00-3EH01		
	Switching sequence I-O-II, 2 x 50° operating angle, momentary to the left,	RONIS	SB 30	O + II O II	38	B30 00-4GD61 B30 00-4GD01 B30 00-4GD31		1 un 1 un 1 un
	spring return from the left, maintained to the right	CES	SSG 10	O + II O		B30 00-4SD61 B30 00-4SD01		1 un 1 un
D.M.R. key-operated switch		BKS	S1	0	38	B30 00-5GD01		1 un
	Switching sequence I-O-II, 2 x 50° operating angle, maintained to the left,	RONIS	SB 30	O+I O I	38	6B30 00-4FD51 6B30 00-4FD01 6B30 00-4FD21		1 un 1 un 1 un
	momentary to the right, spring return from the right	CES	SSG 10	O+I O I	38	6B30 00-4RD51 6B30 00-4RD01 6B30 00-4RD21		1 un 1 un 1 un
	1 1	BKS	S1	O+I O I	38	B30 00-5FD51 B30 00-5FD01 B30 00-5FD21		1 un 1 un 1 un
	C	O.M.R. ³⁾	73038 Light blue	0		B30 00-3FG01		1 un
			73034 Black	1	38	B30 00-3FJ21		1 un

 ${\small \textcircled{\$}} \ \text{For online configurator see www.siemens.com/sirius/configurators} \ .$

used. The key scan is performed by a 3SB34 single-pole NC contact block which must be snap-mounted in the center position. Scanning of the switch positions must be performed by additional contact blocks which are snap-mounted on the actuator.

Special locks can be ordered only with order code "Y01".

For BKS and CES special locks see page 10/69.

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

 $^{^{\}rm 2)}$ For locks with key monitoring the supplied 3SB39 01-0AB holder must be used.

 $^{^{\}rm 3)}$ According to FIAT standards; also available for other users.

3SB3, Plastic, Round, 22 mm

Actuators and Indicators

	Version	Color of handle	Approval	DT	Configurator	PS PS
					Order No.	
EMERGENCY-STOP devices Can also be used with 3TK2		47-5-5, with	holder ¹⁾²⁾ .			
	EMERGENCY-STOP mushroom push buttons, Ø 32 mm, with positive maintained according to ISO 13850, with rotate-to- unlatch mechanism	Red			3SB30 00-1FA20	1 unit
Mushroom diameter 32 mm						
	EMERGENCY-STOP mushroom push buttons, Ø 40 mm, with positive maintained according to ISO 13850, with rotate-to-unlatch mechanism	Red	Ď ^V E			
	Without switch position indicator				3SB30 00-1HA20	1 unit
Mushroom diameter 40 mm,	With mechanical switch position indication				3SB30 00-1HA26	1 unit
with rotate-to-unlatch mechanism, with switch position indication	• Flat head style				3SB30 00-1XA20	
	EMERGENCY-STOP mushroom push buttons, Ø 40 mm, with positive maintained according to ISO 13850, with pull-to-unlatch mechanism	Red	Ô ^V E		3SB30 00-1TA20	1 unit
Mushroom diameter 40 mm, pull-to-unlatch mechanism						
	EMERGENCY-STOP mushroom push buttons, Ø 60 mm, with positive maintained according to ISO 13850, with rotate-to-unlatch mechanism	Red	Ĉ ^V E		3SB30 00-1AA20	1 unit
Mushroom diameter 60 mm	EMERGENCY-STOP mushroom push	Red			3SB30 00-1BA20	1 unit
	buttons, Ø 40 mm, with RONIS lock, lock No. SB 30, with positive maintained acc. to ISO 13850, unlocking only possible using key		Ø ^E			
Mushroom diameter 40 mm, with RONIS key-operated switch	EMERGENCY-STOP mushroom push buttons, Ø 40 mm, with CES lock, lock No. SSG 10, with positive maintained according to ISO 13850, unlocking only possible using key	Red	ĎĒ.		3SB30 00-1KA20	1 unit
will hons key-operated switch	EMERGENCY-STOP mushroom push buttons, Ø 40 mm, with BKS lock, lock No. S1, with positive maintained according to ISO 13850, unlocking only possible using key	Red	₽		3SB30 00-1LA20	1 unit
	EMERGENCY-STOP mushroom push buttons, Ø 40 mm, with O.M.R. lock, lock No. 73037, with positive maintained according to ISO 13850, unlocking only possible using key	Red	₽		3SB30 00-1MA20	1 unit
Mushroom diameter 40 mm, with CES key-operated switch	EMERGENCY-STOP mushroom push buttons, Ø 40 mm, with "EMO" marking for SEMI S2 compliance with mechanical maintained function acc. to EN418, turn short handle to left to unlatch	Red (flat)			3SB30 00-1XB80	1 unit

For online configurator see www.siemens.com/sirius/configurators

For BKS and CES special locks see page 10/69.

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¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

²⁾ Yellow backing plates must be ordered separately; see "Accessories" on page 10/84...

3SB3, Plastic, Round, 22 mm

Actuators and Indicators

	Version	Color of lens DT	Configurator	PS PS
			Order No.	
Signaling elements with	າ holder ¹⁾			
	Indicator lights with smooth lens ²⁾	Amber Red Yellow Green Blue White Clear	3SB30 01-6AA00 3SB30 01-6AA20 3SB30 01-6AA30 3SB30 01-6AA40 3SB30 01-6AA50 3SB30 01-6AA60 3SB30 01-6AA70	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
Indicator light with concentric rings	Indicator lights with lens with concentric rings ²⁾	Amber Red Yellow Green Blue White Clear	3SB30 01-6BA00 3SB30 01-6BA20 3SB30 01-6BA30 3SB30 01-6BA40 3SB30 01-6BA50 3SB30 01-6BA60 3SB30 01-6BA70	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
Acoustic signaling device	Acoustic signaling devices, IP40 ³⁾ For acoustic signal transformer 24 V DC ⁴⁾ (without BA 9s base)	Black	3SB30 00-7AA10	1 unit

- © For online configurator see www.siemens.com/sirius/configurators
- 1) Also available without holder. Supplement Order No. with "-Z" and quote order code **"B01"**. Price reduction on request.
- 2) Inscription by inserting a label is not possible.
- 3) For acoustic signaling devices, IP65, see "Complete Units".
- Following must be ordered separately:
 3SB1902-2BN acoustic signal transformer, see "Accessories".
 3SB34 00-1A lamp holder for front plate mounting or 3SB34 20-1A lamp holder for base mounting, both with screw terminals. Devices assembled in this way are suitable for use in enclosures. Lamp holders with spring-type terminals cannot be used.

	Version	Inscriptions	Color of handle	DT	Configurator Order No.	ۂ}	PS
					Order No.		
Twin push buttons with i	ndicator light with holder ¹⁾²⁾						
	Twin push buttons with indicator light, IP65	I/O ³⁾	Green/Red White/Black		3SB31 01-8BC21 3SB31 01-8BC31		1 unit 1 unit
Twin push button with indicator light, with flat buttons	with flat, square buttons, incl. holder for 3 elements	↑/↓ ³⁾	Green/Red		3SB31 01-8BC81		1 unit
Twin push buttons with indicator light, with flat and raised buttons	Twin push buttons with indicator light, IP65 with flat and raised, square buttons, incl. holder for 3 elements	I/O ³⁾ I/O ³⁾	Green/Red White/Black		3SB31 01-8DC21 3SB31 01-8DC31		1 unit 1 unit

- Tor online configurator see www.siemens.com/sirius/configurators.
- 1)Mounting the twin push buttons in 3SB38 enclosure is not possible.
- 2)Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.
- 3)Black inscription for green, red and white

3SB3, Plastic, Round, 22 mm

Actuators and Indicators

	Version	Inscriptions	Color of handle	DT	Configurator	(C)	PS
					Order No.		
Twin push buttons wit	h holder ¹⁾²⁾						
	Twin push buttons, IP65 with flat, square buttons	I/O ³⁾ I/O ³⁾	Green/Red White/Black		3SB31 00-8AC21 3SB31 00-8AC31		1 unit 1 unit
		↑/↓ ³⁾	White/White		3SB31 00-8AC61-0AD0		1 unit
	Twin push buttons, IP65 with flat and raised, square buttons	I/O ³⁾ I/O ³⁾	Green/Red White/Black		3SB31 00-8CC21 3SB31 00-8CC31		1 unit 1 unit
Twin push button with flat buttons							
For online configurator se	e www.siemens.com/sirius/configura	tors.					

- 1) Mounting the twin push buttons in 3SB38 enclosure is not possible.
- 2) Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.
- 3) Black inscription for green, red and white buttons; white inscription on black button.

	Version	Use	DT	Order No.	PS
Accessories for twin pus	sh buttons				
Label holder	Label holders 70 mm x 30 mm for inscription label 12.5 mm x 27 mm ¹⁾	Twin push buttons		3SB39 22-0AY	5 units
Protective cap	Protective caps, clear Silicone, for degree of protection IP67	Twin push buttons with flat buttons		3SB39 21-0AQ	1 unit

¹⁾ Mounting in 3SB38 enclosure is not possible. For inscription labels see pages 10/75 and 10/76.

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3SB3, Plastic, Round, 22 mm

Coordinate switches, complete

Overview



Coordinate switch with contact blocks

Coordinate switches control auxiliary circuits permitting movements in various directions of machines and equipment.

The switches are designed for front panel mounting. They are climate-proof.

Operation

The 3SB14 00-0J contact block is used, which due to its depth cannot be built into 3SB38 enclosures.

Switches are available as follows:

- With 2 or 4 switch positions
- Latching or momentary contact type
- · With or without mechanical interlocking

In the case of switches with mechanical interlock in O position, the switch is unlatched with the unlatching button at the front of the actuating lever.

Inscriptions

A name plate consisting of a black, plastic label holder and two or four adhesive, silver-colored inscription labels of $27~\text{mm}\,\text{x}\,27~\text{mm}$ in size is available for labeling purposes. These labels can be supplied with and without customized inscription.

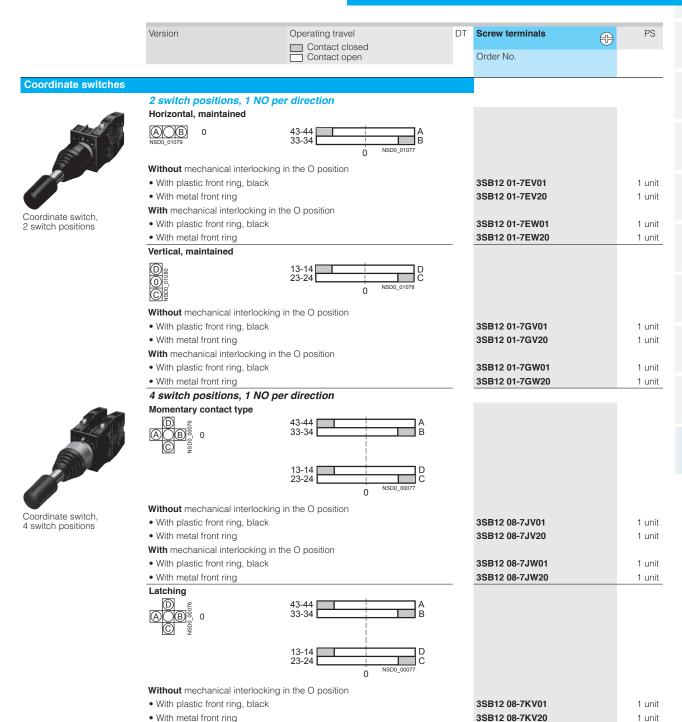
Note mounting dimensions!

Selection and ordering data

	Version	Operating travel Contact closed Contact open	DT	Screw terminals	PU (UNIT, SET, M)	PS
				Order No.		
Coordinate switches						
	2 switch positions, 1 NO	per direction		_		
	Horizontal, momentary conta	act type				
	NSD0_01079 0	43-44 33-34 A B B				
	Without mechanical interlocking	ng in the O position				
	With plastic front ring, black		С	3SB12 01-7DV01	1	1 unit
	 With metal front ring 		С	3SB12 01-7DV20	1	1 unit
Coordinate switch,	With mechanical interlocking in the O position					
2 switch positions	 With plastic front ring, black 		С	3SB12 01-7DW01	1	1 unit
	With metal front ring		С	3SB12 01-7DW20	1	1 unit
	Vertical, momentary contact	type				
	NSDO_010880	13-14 23-24 D C				
	Without mechanical interlocking	ng in the O position				
	• With plastic front ring, black		С	3SB12 01-7FV01	1	1 unit
	 With metal front ring 		С	3SB12 01-7FV20	1	1 unit
	With mechanical interlocking i	n the O position				
	 With plastic front ring, black 		С	3SB12 01-7FW01	1	1 unit
	 With metal front ring 		С	3SB12 01-7FW20	1	1 unit

3SB3, Plastic, Round, 22 mm

Coordinate switches, complete



With mechanical interlocking in the O position

· With plastic front ring, black

· With metal front ring

Siemens Industry, Inc. Industrial Controls Catalog 1 unit

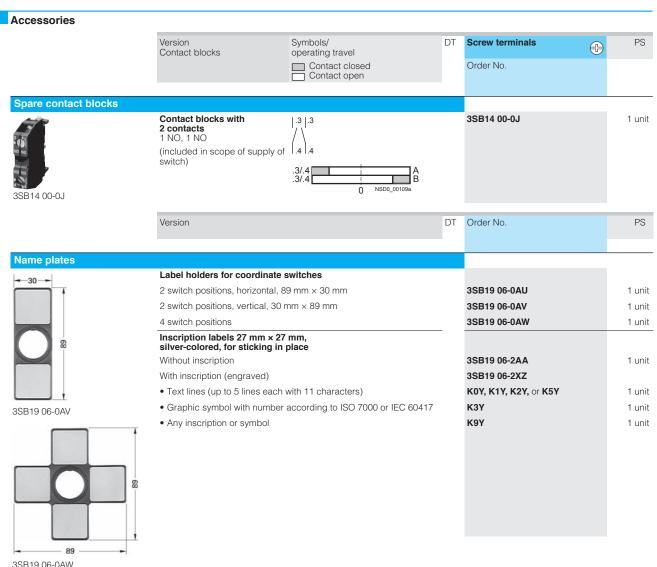
1 unit

3SB12 08-7KW01

3SB12 08-7KW20

3SB3, Plastic, Round, 22 mm

Coordinate switches, complete



For black plastic labels see page 10/76.

Options

Customized inscriptions

These labeling plates can be inscribed with text or symbols. 5 lines with 11 characters each in a letter height of 4 mm are possible.

Ordering notes

Append the following order codes to the Order No.:

- Text line(s) in upper/lower case, upper case always for beginning of line (e.g. "Lift off"): K0Y
- Text line(s) in upper case (e.g. "LIFT OFF"): K1Y
- Text line(s) in lower case (e.g. "lift off"): K2Y
- Text line(s) in upper/lower case, all words begin with upper case letters (e.g. "Lift Off"): K5Y
- Symbol with number according to ISO 7000 or IEC 60417:
- Any inscription or symbol according to order form supplement: K9Y

When ordering, specify the required inscription in plain text in addition to the order number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language.

In the case of multi-line inscriptions, the text must be assigned to the respective line, e.g. "Z1 = Lift, Z2 = Lower".

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417.

For special symbols (order code K9Y), a CAD drawing in DXF format can be submitted.

Ordering example

A label inscribed with symbol No. 1117 according to ISO 7000 is required:

3SB19 06-2XZ K3Y

Z = 1117 ISO

For other ordering examples see page 10/72.

Push Button Units and Indicator Lights 3SB3, Plastic, Square, 22 mm

election and ordering	ng data							
	Version	Rated voltage of lamp	Color of handle	Contacts for front plate	DT	Screw terminals		PS
				mounting		Configurator	₹ }}	
		V				Order No.		
ısh buttons								
	Push buttons with flat button	_	Black Black Red Yellow Green Blue White	1 NO 1 NC 1 NC 1 NO 1 NO 1 NO 1 NO		3SB33 02-0AA11 3SB33 03-0AA11 3SB33 03-0AA21 3SB33 02-0AA31 3SB33 02-0AA41 3SB33 02-0AA51 3SB33 02-0AA61		1 u 1 u 1 u 1 u 1 u 1 u
sh button			Black Red Yellow Green Blue White	1 NO + 1 NC 1 NO + 1 NC		3SB33 01-0AA11 3SB33 01-0AA21 3SB33 01-0AA31 3SB33 01-0AA41 3SB33 01-0AA51 3SB33 01-0AA61		1 u 1 u 1 u 1 u 1 u 1 u
	Illuminated push buttons with flat button with integrated LED (incl. holder for 3 elements)	24 AC/DC	Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NC 1 NO 1 NO 1 NO 1 NO 1 NO		3SB33 46-0AA21 3SB33 45-0AA31 3SB33 45-0AA41 3SB33 45-0AA51 3SB33 45-0AA61 3SB33 45-0AA71		1 u 1 u 1 u 1 u 1 u 1 u
uminated push button			Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NO + 1 NC 1 NO + 1 NC		3SB33 47-0AA21 3SB33 47-0AA31 3SB33 47-0AA41 3SB33 47-0AA51 3SB33 47-0AA61 3SB33 47-0AA71		1 u 1 u 1 u 1 u 1 u 1 u
	Illuminated push buttons with flat button with integrated LED (incl. holder for 3 elements)	230 AC	Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NC 1 NO 1 NO 1 NO 1 NO 1 NO		3SB33 54-0AA21 3SB33 53-0AA31 3SB33 53-0AA41 3SB33 53-0AA51 3SB33 53-0AA61 3SB33 53-0AA71		1 u 1 u 1 u 1 u 1 u 1 u
			Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NO + 1 NC 1 NO + 1 NC		3SB33 55-0AA21 3SB33 55-0AA31 3SB33 55-0AA41 3SB33 55-0AA51 3SB33 55-0AA61 3SB33 55-0AA71		1 u 1 u 1 u 1 u 1 u 1 u
	Illuminated push buttons with flat button with BA 9s lamp holder without lamp (incl. holder for 3 elements)		Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NC 1 NO 1 NO 1 NO 1 NO 1 NO		3SB33 07-0AA21 3SB33 06-0AA31 3SB33 06-0AA41 3SB33 06-0AA51 3SB33 06-0AA61 3SB33 06-0AA71		1 u 1 u 1 u 1 u 1 u 1 u
			Red ¹⁾ Yellow ¹⁾ Green ¹⁾ Blue ¹⁾ White Clear ¹⁾	1 NO + 1 NC 1 NO + 1 NC 1 NO + 1 NC 1 NO + 1 NC 1 NO + 1 NC		3SB33 05-0AA21 3SB33 05-0AA31 3SB33 05-0AA41 3SB33 05-0AA51 3SB33 05-0AA61		1 u 1 u 1 u 1 u 1 u

To ronline configurator see www.siemens.com/sirius/configurators .

¹⁾ Inscription is possible by inserting a label.

3SB3, Plastic, Square, 22 mm

Complete units



Tor online configurator see www.siemens.com/sirius/configurators .

→ Positive opening according to IEC 60947-5-1, Appendix K. Can be used with 3TK28 safety relays. Certificate:



1) German inscription "NOT-HALT".

	Version	Rated voltage of lamp	Color of lens DT		PS
		V		Order No.	
Signaling devices					
Indicator light	Indicator lights with integrated LED	24 AC/DC	Red Yellow Green Blue White Clear	3SB33 44-6AA20 3SB33 44-6AA30 3SB33 44-6AA40 3SB33 44-6AA50 3SB33 44-6AA60 3SB33 44-6AA70	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
	Indicator lights with integrated LED	230 AC	Red Yellow Green Blue White Clear	3SB33 52-6AA20 3SB33 52-6AA30 3SB33 52-6AA40 3SB33 52-6AA50 3SB33 52-6AA60 3SB33 52-6AA70	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
	Indicator lights with BA 9s lamp holder (without lamp)	_	Red Yellow Green Blue White Clear	3SB33 04-6AA20 3SB33 04-6AA30 3SB33 04-6AA40 3SB33 04-6AA50 3SB33 04-6AA60 3SB33 04-6AA70	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit

 $\ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

Actuators and Indicators

Selection and ordering	data			
	Version	Color of handle DT	Configurator	PS
			Order No.	
Push buttons and switch	nes with holder ¹⁾			
	Push buttons with flat button	Black Red Yellow Green Blue White Clear ²⁾	3SB31 10-0AA11 3SB31 10-0AA21 3SB31 10-0AA31 3SB31 10-0AA41 3SB31 10-0AA51 3SB31 10-0AA61 3SB31 10-0AA71	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
Push button	Push buttons	Black	3SB31 10-0AA12	1 unit
	with raised front ring (height 13 mm)	Red Green White	3SB31 10-0AA22 3SB31 10-0AA42 3SB31 10-0AA62	1 unit 1 unit 1 unit
Push button with raised front ring				
	Push buttons with raised front ring, castellated (height 13 mm)	Black Red Yellow Green White	3SB31 10-0AA13 3SB31 10-0AA23 3SB31 10-0AA33 3SB31 10-0AA43 3SB31 10-0AA63	1 unit 1 unit 1 unit 1 unit 1 unit
Push button with raised front ring, castellated				
	Illuminated push buttons with flat button (incl. holder for 3 elements)	Red ²⁾ Yellow ²⁾ Green ²⁾ Blue ²⁾ White Clear ²⁾	3SB31 11-0AA21 3SB31 11-0AA31 3SB31 11-0AA41 3SB31 11-0AA51 3SB31 11-0AA61 3SB31 11-0AA71	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
Illuminated push button		D	0000110 00011	4 1
	Push buttons, maintained, with flat button, unlocking by pressing again	Black Red Yellow Green Blue White	3SB31 10-0DA11 3SB31 10-0DA21 3SB31 10-0DA31 3SB31 10-0DA41 3SB31 10-0DA51 3SB31 10-0DA61	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
Push button				
	Illuminated push buttons, maintained, with flat button (incl. holder for 3 elements), unlatches by pressing again,	Red ²⁾ Yellow ²⁾ Green ²⁾ Blue ²⁾ White Clear ²⁾	3SB31 11-0DA21 3SB31 11-0DA31 3SB31 11-0DA41 3SB31 11-0DA51 3SB31 11-0DA61 3SB31 11-0DA71	1 unit 1 unit 1 unit 1 unit 1 unit 1 unit
Illuminated push button				

 $[\]ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

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Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

 $^{^{2)}}$ Inscription is possible by inserting a label.

3SB3, Plastic, Square, 22 mm

Actuators and Indicators

	Version	Version Illumination	Color of DT handle	Configurator	PS				
				Order No.					
Selector switches with h	older ¹⁾								
7 3	Selector switches with 2 switch position	ons							
	Switching sequence O-I, 50° operating angle, maintained O I	Non-illuminated	Black Red Green White	3SB31 10-2KA11 3SB31 10-2KA21 3SB31 10-2KA41 3SB31 10-2KA61	1 unit 1 unit 1 unit 1 unit				
Selector switch	V	Illuminated (incl. holder for 3 elements)	Red Yellow Green Blue Clear	3SB31 11-2KA21 3SB31 11-2KA31 3SB31 11-2KA41 3SB31 11-2KA51 3SB31 11-2KA71	1 unit 1 unit 1 unit 1 unit				
	Switching sequence O-I, 50° operating angle, momentary, spring return from the left O I	Non-illuminated		3SB31 11-2LA11 3SB31 10-2LA21 3SB31 10-2LA41 3SB31 10-2LA61	1 unit 1 unit 1 unit 1 unit 1 unit				
Selector switch, illuminated	\	Illuminated (incl. holder for 3 elements)	Red Yellow Green Blue Clear	3SB31 11-2LA21 3SB31 11-2LA31 3SB31 11-2LA41 3SB31 11-2LA51 3SB31 11-2LA71	1 unit 1 unit 1 unit 1 unit 1 unit				
7 0	Selector switches with 3 switch positions								
	Switching sequence I-O-II, 2 x 50° operating angle, maintained	Non-illuminated	Black Red Green White	3SB31 10-2DA11 3SB31 10-2DA21 3SB31 10-2DA41 3SB31 10-2DA61	1 unit 1 unit 1 unit 1 unit				
Selector switch		Illuminated (incl. holder for 3 elements)	Red Yellow Green Blue Clear	3SB31 11-2DA21 3SB31 11-2DA31 3SB31 11-2DA41 3SB31 11-2DA51 3SB31 11-2DA71	1 unit 1 unit 1 unit 1 unit 1 unit				
	Switching sequence I-O-II, 2 x 50° operating angle, momentary, spring return from the left and right	Non-illuminated	Red Green White	3SB31 10-2EA11 3SB31 10-2EA21 3SB31 10-2EA41 3SB31 10-2EA61	1 unit 1 unit 1 unit 1 unit				
Selector switch, illuminated		Illuminated (incl. holder for 3 elements)	Red Yellow Green Blue Clear	3SB31 11-2EA21 3SB31 11-2EA31 3SB31 11-2EA41 3SB31 11-2EA51 3SB31 11-2EA71	1 unit 1 unit 1 unit 1 unit 1 unit				
	Switching sequence I-O-II, 2 x 50° operating angle, momentary to the left, spring return from the left, maintained to the right	Non-illuminated	Black Green White	3SB31 10-2GA11 3SB31 10-2GA41 3SB31 10-2GA61	1 unit 1 unit 1 unit				
	Switching sequence I-O-II, 2 x 50° operating angle, maintained to the left, momentary to the right, spring return from the right	Non-illuminated	Black Red Green	3SB31 10-2FA11 3SB31 10-2FA21 3SB31 10-2FA41	1 unit 1 unit 1 unit				

 $[\]ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .

Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

Actuators and Indicators

	Version	Lock versio	n		T Configurator	کرید	PS
	70.0.0.1	Туре	Lock No./	Key removal	. Comganato	ि	. 0
			color	position	Order No.		
Key-operated switches w	rith holder ¹⁾						
	Key-operated switches with 2	keys, 2 swi	tch positions				
	Switching sequence O-I, 50° operating angle, maintained	RONIS	SB 30	O+I O I	3SB31 10-4AD11 3SB31 10-4AD01 3SB31 10-4AD21		1 unit 1 unit 1 unit
		CES	SSG 10	O+I O I	3SB31 10-4LD11 3SB31 10-4LD01 3SB31 10-4LD21		1 unit 1 unit 1 unit
RONIS key-operated switch			LSG 1	O+I O	3SB31 10-4LF01 3SB31 10-4LF11		1 unit 1 unit
_		BKS	S1	O+I	3SB31 10-5AD11		1 unit
111				0	3SB31 10-5AD01		1 unit
		O.M.R. ²⁾	73037 Red	0	3SB31 10-3AH01		1 unit
			73034 Black	O+I	3SB31 10-3AJ11		1 unit
			73037 Red	O+I	3SB31 10-3AH11		
	Switching sequence O-I,	RONIS	SB 30	0	3SB31 10-4BD01		1 unit
CES key-operated switch	50° operating angle, momentary, spring return from the right	CES	SSG 10	0	3SB31 10-4MD01		1 unit
	Key-operated switches with 2	keys, 3 swi	tch positions				
	Switching sequence I-O-II, 2 x 50° operating angle,	RONIS	SB 30	I+O+II	3SB31 10-4DD11		1 unit
3	maintained	CES	SSG 10	I+O+II O	3SB31 10-4PD11 3SB31 10-4PD01		1 unit 1 unit
0		BKS	S1	0	3SB31 10-5BD01		1 unit
O.M.R. key-operated switch	Switching sequence I-O-II,	RONIS	SB 30	0	3SB31 10-4ED01		1 unit
C.IV.11. Rey-operated switch	2 x 50° operating angle, momentary, spring return from the left and right	CES	SSG 10	0	3SB31 10-4QD01		1 unit
	Switching sequence I-O-II, 2 x 50° operating angle, momentary to the left, spring return from the left, maintained to the right	CES	SSG 10	0	3SB31 10-4SD01		1 unit
	Switching sequence I-O-II, 2 x 50° operating angle, maintainedmaintainedmaintained to the left, momentary to the right, spring return from the right	CES	SSG 10	O+I	3SB31 10-4RD51		1 unit

To ronline configurator see www.siemens.com/sirius/configurators .

For BKS and CES special locks see page 10/69

Siemens Industry, Inc. Industrial Controls Catalog

Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

 $^{^{2)}\,}$ According to FIAT standards; also available for other users.

3SB3, Plastic, Square, 22 mm

Actuators and Indicators



	Version	Color of lens	OT C	Configurator	£03	PS
			C	Order No.		
Signaling elements with hole	der ¹⁾					
Indicator lights	Indicator lights	Red Yellow Green Blue Clear White	3 3 3	SB31 11-6AA20 SB31 11-6AA30 SB31 11-6AA40 SB31 11-6AA50 SB31 11-6AA70 SB31 11-6AA60		1 unit 1 unit 1 unit 1 unit 1 unit 1 unit

For online configurator see www.siemens.com/sirius/configurators.

¹⁾ Also available without holder. Supplement Order No. with "-Z" and quote order code "B01". Price reduction on request.

Selection and o	ruernig data							
	Version		Diagram	Operating travel	DT	Screw terminals		PS
				Contact closed		Order No.		
Contact blocks t	for front plate mounting			Contact open				
Contact blocks	Contact blocks with one conta	ct						
3 10	Mounting depth: 50 mm							
	1 NO		.3	NSD0_00015		3SB34 00-0B		1 un
	1 NO with		⊢7,	3-4		3SB34 00-0BA		1 un
	gold-plated contacts		.4	0 1 2 3 4 mm—> 2,3				
SB34 00-0B	1 NC	\odot	11	2,3 NSD0_00017		3SB34 00-0C		1 un
-	1 NC with	→	<u>.</u> ''	1-2		3SB34 00-0CA		1 un
inc	gold-plated contacts		.2	0 1 2 3 4 mm———————————————————————————————————				
S. (1 NC with	→	11	1, b NSD0_00017		3SB34 00-0M		1 un
6	mounting monitoring contact ¹⁾		<u> </u>	1-2				
	 Mounting depth: 63 mm 		.2	0 1 2 3 4 mm——				
SB34 00-0M				1,6				
	Contact block with 2 contacts Mounting depth 63 mm (including	na unit l	abeling plate))				
9	1 NO + 1 NC	ັ 🕞	.3 .1	NSD0_00038		3SB34 00-0A		1 uni
3	1 NO + 1 NC	\odot	- / <u>-</u>	3-4 1-2		3SB34 00-0AA		1 un
NO.	with gold-plated contacts	→	.4 .2	0 1 2 3 4		00004 00 01		4
NO Sal	1 NO + 1 NC with dust protection ²⁾	9		mm — 1,6 2,3		3SB34 00-0N		1 uni
14	1 NO leading + 1 NC lagging		.7 .5	7-8 NSD0_00037b		3SB34 00-0H		1 uni
B34 00-0A	1 NO leading + 1 NC lagging with gold-plated contacts		\	5-6		3SB34 00-0HA		1 un
	with gold-plated contacts		1.8 1.6	0 1 2 3 4 mm — 3 4				
				1,3 2,2				
	2 NO		.3 .3	3-4 NSD0_00039		3SB34 00-0D		1 un
	2 NO with gold-plated contacts		r-//-/	0 1 2 3 4		3SB34 00-0DA		1 un
	2 NO with		1.4 1.4	mm— ►		3SB34 00-0P		1 un
	dust protection ²⁾	→		2,3		00004.00.05		4
	2 NC 2 NC with	⊕	1414	1-2 1-2		3SB34 00-0E 3SB34 00-0EA		1 uni 1 uni
	gold-plated contacts		<i>-</i>			33B34 00-0EA		i uii
	2 NC with dust protection ²⁾	€	1.2 1.2	0 1 2 3 4 mm + 1,6		3SB34 00-0Q		1 uni
and a	Blocks with 2 diodes type 1N 4	1007		1,0				
3	Mounting depth: 63 mm					2CB24 00 2A		1
xs /	$U_{\rm RMS} = {\rm max.}~250~{\rm V}$ $I_{\rm FAV} = 0.8~{\rm A}$ at $T_{\rm u} = 60~{\rm ^{\circ}C}$		(L+) X5	(L-) <u>7 X6</u>		3SB34 00-2A		1 uni
= 12	at $T_u = 60 ^{\circ}\text{C}$		X7 D	X8				
S			NSD	D_00113				
1								



¹⁾ The NC contact opens automatically upon disconnection of the actuator. On delivery, the contact is open (= safe state). Activation (= NC contacts on the non-actuated control device are closed) takes place upon first-time actuation after the contact block is snapped onto the actuator. Not suitable for mounting in 3SB38 enclosures.

3SB34 00-2A

²⁾ With 3SB30 01-0CH dust protection shield

Push Button Units and Indicator Lights 3SB3, Components for Actuators and Indicators, 22 mm

Contact blocks and lamp holders

	Version	Diagram	Rated voltage	DT	Screw terminals	PS
			V		Order No.	
Contact blocks for f	ront plate mounting					
	BA 9s lamp holders, mounting depth	50 mm				
X 31	Without lamp	X1 2 X2	Acc. to lamp		3SB34 00-1A	1 unit
	With 24 V incandescent lamp (3SX1 344)	(L+) (L-) NSD0_00003	24 AC/DC	_	3SB34 00-1D	1 unit
	BA 9s lamp holders, mounting depth	50 mm				
3SB34 00-1A	With integrated voltage reducer and with 130 V lamp (3SX1 731) ¹⁾	X1 X2 NSD0_00042	230 / 240 AC		3SB34 00-1C	1 unit
	BA 9s lamp holders, mounting depth	50 mm		_		
	With built-in resistor for longer endurance and with 130 V lamp (3SX1 731) ¹⁾	X1 X2 (L+) (L-) NSD0_00041	110/130 AC/DC		3SB34 00-1B	1 unit
	BA 9s lamp holders			_		
3 (X)	with separate lamp test function ²⁾³⁾ With integrated voltage reducer and with 130 V lamp (3SX1 731) ¹⁾	X5 X2 X1 X2 NSD0_00043	230 / 240 AC		3SB34 00-1F	1 unit
3 SSB34 00-1F	Without lamp For incandescent lamp, max. 2.6 W; for LED lamp, 24/48/230 V AC/DC ⁴⁾	AC/DC-LED - (L-) X1 (L+) NSD0_00044b	Acc. to lamp		3SB34 00-1G	1 unit
	Without lamp	X5 *	Acc. to lamp		3SB34 00-1L	1 unit
	For incandescent lamp, max. 2.6 W; for LED lamp, AC or DC ⁵⁾	X2 X1 (L-) (L+) NSDD_00045				
	Without lamp For incandescent lamp, max. 2.6 W; for glow lamp, AC	X5 X2 (L+) (L-) NSD0_00046a	Acc. to lamp		3SB34 00-1H	1 unit
	Lamp holders with integrated LED			_		
	Mounting depth: 50 mm Yellow Red Green Blue White	X1 X2 NSD0_01292b	24 AC/DC		3SB34 00-1PA 3SB34 00-1PB 3SB34 00-1PC 3SB34 00-1PD 3SB34 00-1PE	1 unit 1 unit 1 unit 1 unit 1 unit
	Yellow	X1	110 AC		3SB34 00-1QA	1 unit
SB34 00-1PA	Red Green Blue				3SB34 00-1QB 3SB34 00-1QC 3SB34 00-1QD	1 unit 1 unit 1 unit
	White	X2 NSD0 01396b			3SB34 00-1QE	1 unit
	Yellow Red Green	NSD0_01296b	230 AC		3SB34 00-1RA 3SB34 00-1RB 3SB34 00-1RC	1 unit 1 unit 1 unit
	Blue White	X2 NSD0_01296b			3SB34 00-1RD 3SB34 00-1RE	1 unit 1 unit
	Transformers For snapping onto 3SB34 00-1A lamp		127 / 24 240 / 24		3SB34 00-3A 3SB34 00-3C	1 unit 1 unit
	holder For incandescent lamp AC,	X1 X2 NSD0_00047	260 / 24 400 / 24		3SB34 00-3E 3SB34 00-3F	1 unit 1 unit
	max. 2 W		127 / 6		3SB34 00-3M	1 unit
	Mounting depth: 97 mm		240 / 6 400 / 6 480 / 6 600 / 6		3SB34 00-3P 3SB34 00-3S 3SB34 00-3U 3SB34 00-3W	1 unit 1 unit 1 unit 1 unit
SB34 00-3.						

¹⁾ Use these lamps only.

 $^{^{\}rm 2)}$ The lamp holder with separate lamp test function can not be installed in an

³⁾ For circuit examples see Reference manual "Commanding and Signaling

⁴⁾ Not suitable for LEDs which are suitable only for AC or DC.

⁵⁾ Not suitable for LED for 24/48/230 V AC/DC. For connecting to DC, X5 must be connected to L-.

Contact blocks and lamp holders

3

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<u>′</u> Q

9

IU

Rated voltage of Operating travel/color **Spring-type terminals** Version lamp/ Contact closed Diagram Order No. Contact open Contact blocks for front plate mounting Contact blocks with one contact, mounting depth 50 mm 1 NO 3SB34 03-0B 1 unit 3SB34 03-0BA 1 NO with 1 unit gold-plated contacts 1 NC 3SB34 03-0C 1 unit 1 NC with 3SB34 03-0CA 1 unit 3SB34 03-0B gold-plated contacts mm-1 NC with 3SB34 03-0M 1 unit mounting monitoring contact¹⁾ 0 mm 1 2 • Mounting depth: 63 mm Contact blocks with 2 contacts, mounting depth 63 mm 1 NO + 1 NC 3SB34 03-0A 1 unit 1 NO + 1 NC 3SB34 03-0AA 1 unit 3SB34 03-0M with gold-plated contacts 1 2 1,6 2,3 1 NO leading + 3SB34 03-0H 1 unit 1 NC lagging 1 NO leading + 3SB34 03-0HA 1 unit 1 NC lagging with gold-plated contacts 1,3 2,2 2 NO 3SB34 03-0D 1 unit 2 NO with 3SB34 03-0DA 1 unit gold-plated contacts mm-3SB34 03-0A 2 NC 3SB34 03-0E 1 unit 3SB34 03-0EA 2 NC with 1 unit gold-plated contacts 1,6



3SB34 03-1C



3SB3403-1PA

BA 9s lamp holders, mounting	depth 50 mm
Without Jamp ²⁾	Acc to lar

ithout lamp²⁾ Acc. to X1

X1 X2 (L+) (L-) NSD0_00003 Cer 230/240 V AC

With integrated voltage reducer and with 130 V lamp (3SX1 731)²⁾³⁾

Lamp holders with integrated LED

Mounting depth: 50 mm

NSD0_00042			
24 V AC/DC X1 NSD0_01292b	Yellow Red Green Blue White	3SB34 03-1PA 3SB34 03-1PB 3SB34 03-1PC 3SB34 03-1PD 3SB34 03-1PE	1 unit 1 unit 1 unit 1 unit 1 unit
110 V AC X1 X2 NSD0_01296b	Yellow Red Green Blue White	3SB34 03-1QA 3SB34 03-1QB 3SB34 03-1QC 3SB34 03-1QD 3SB34 03-1QE	1 unit 1 unit 1 unit 1 unit 1 unit
230 V AC	Yellow Red Green Blue White	3SB34 03-1RA 3SB34 03-1RB 3SB34 03-1RC 3SB34 03-1RD 3SB34 03-1RE	1 unit 1 unit 1 unit 1 unit 1 unit

3SB34 03-1A

3SB34 03-1C

1 unit

1 unit

[→]Positive opening according to IEC 60947-5-1, Appendix K.

¹⁾ The NC contact opens automatically upon disconnection of the actuator. On delivery, the contact is open (= safe state). For more explanations see footnote, page 10/65. Not suitable for mounting in 3SB38 enclosures.

²⁾ Not suitable for square command devices.

³⁾ Use these lamps only.

3SB3, Components for Actuators and Indicators, 22 mm

Contact blocks and lamp holders

	Version	Diagram	Operating travel	DT	Solder pin properties on solder pin connections	PS
			Contact closed Contact open		Order No.	
Contact blocks fo	r use on printed circuit boards		Contact open			
	Contact blocks with one contact Mounting depth 44 mm					
·3	1 NO	⊢√ .3	3-4 NSD0_00015		3SB34 11-0B	1 unit
ia U		1.4	mm—► 2,3			
3SB34 11-0B	1 NC →	L <u>1</u> ⊢-/	1-2 NSD0_00017 0 1 2 3 4 mm———————————————————————————————————		3SB34 11-0C	1 unit
	Wedge base lamp holders W2 x 4.6 Mounting depth: 44 mm	d	1,6			
	Without lamp	X1 (L+) NSDO	X2 (L-) 0_00003		3SB34 11-1A	1 unit
3SB34 11-1A						
Positive opening ac	ccording to IEC 60947-5-1, Appendix K.					
	Version			DT	Order No.	PS
Holders for 3 con	tact blocks, for front panel mountin	na				
	Holders for push buttons and switt for snapping on 3 blocks (for illuminated push buttons and illu included in the scope of supply)	ches ¹⁾	tor switches the holder is		3SB39 01-0AB	20 units

³SB39 01-0AB



Holders for selector switches, key-operated switches and twin push but-With pressure plate for actuating the central contact block of 3 contact blocks

3SB39 01-0AC

Pressure plates for use on printed circuit boards



Pressure plates for selector switches and key-operated switches

For actuating the central contact block of 3 contact blocks

3SB39 01-0AW

3SB39 01-0AC

10 units

10 units

3SB39 01-0AW

Accessories for printed circuit boards



Holders for printed circuit boards

for mounting the command devices on the printed circuit board (screw is included in the scope of supply)

3SB39 01-0AA

10 units

¹⁾ Holder also for mushroom push button and push-pull button.

3SB3, Components for Actuators and Indicators, 22 mm

Special locks

Options

Special locks for key-operated switches

The BKS and CES plastic and metal key-operated switches, round and square versions, can be optionally equipped with special locks.

In this case the Order No. of the matching key-operated switch must be supplemented with "-Z", the matching order code "Y01" or "Y02" and the required lock number.

Order code	Y01	Y02
In accordance with the table of special locks	No	Yes
Normal delivery time	25 working days	5 working days
Additional price per unit	On request	On request
Ordering example	3SB30 00-4LD01-Z Y01 Z = SSG18	3SB30 00-4LD01-Z Y02 Z = SSG11

Available special locks with order code "Y02" Key-operated switch CES SSG 11 to SSG 15 3SB34LD01-Z Y02 3SB34LD11-Z Y02 3SB34MD01-Z Y02 3SB34MD01-Z Y02 3SB34MD01-Z Y02 3SB34MDZ Y02 3SB34MDZ Y02 3SB34MDZ Y02 3SB34SDZ Y02 3SB34SDZ Y02 3SB35ADZ Y02 3SB35DD1-Z Y02 3SB35DD1-Z Y02 3SB35DD1-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD51-Z Y02 3SB35FD51-Z Y02 3SB35FD51-Z Y02 3SB35FD51-Z Y02 3SB35FD51-Z Y02		
CES SSG 11 to SSG 15 3SB34LD01-Z Y02 3SB34LD21-Z Y02 3SB34MD01-Z Y02 3SB34MD01-Z Y02 3SB34PDZ Y02 3SB34PDZ Y02 3SB34RDZ Y02 3SB34RDZ Y02 3SB34RDZ Y02 3SB34RDZ Y02 3SB35ADZ Y02 3SB35ADZ Y02 3SB35DDZ Y02 3SB35DDZ Y02 3SB35ED01-Z Y02 3SB35ED01-Z Y02 3SB35FD01-Z Y02 3SB35FD51-Z Y02 SBKS E9¹) 3SB35FD51-Z Y02 SBCSSP 9 3SB35FD51-Z Y02	Available special locks with order code "Y02"	
Y02 3SB34LD11-Z Y02 3SB34LD21-Z Y02 3SB34MD01-Z Y02 3SB34PDZ Y02 3SB34PDZ Y02 3SB34RDZ Y02 3SB34RDZ Y02 3SB34RDZ Y02 3SB35ADZ Y02 3SB35ADZ Y02 3SB35BD01-Z Y02 3SB35BD01-Z Y02 3SB35ED01-Z Y02 3SB35ED01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD51-Z Y02 3SB35FD51-Z Y02 3SB35FD51-Z Y02 3SB35FD51-Z Y02 3SB35FD51-Z Y02 3SB35FD51-Z Y02	Key-operated switch	
Y02 3SB34LD21-Z Y02 3SB34MD01-Z Y02 3SB34PDZ Y02 3SB34QDZ Y02 3SB34RDZ Y02 3SB34SDZ Y02 3SB35ADZ Y02 3SB35ADZ Y02 3SB35ADZ Y02 3SB35DDZ Y02 3SB35DDZ Y02 3SB35DDZ Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD51-Z Y02 3SB35FD51-Z Y02 SSB35FD51-Z Y02 SSB35FD51-Z Y02 SSB35FD51-Z Y02 SSB35FD51-Z Y02	CES SSG 11 to SSG 15	
Y02 3SB34MD01-Z Y02 3SB34PDZ Y02 3SB34PDZ Y02 3SB34RDZ Y02 3SB34RDZ Y02 3SB34SDZ Y02 3SB35ADZ Y02 3SB35BD01-Z Y02 3SB35BD01-Z Y02 3SB35ED01-Z Y02 3SB35FD01-Z Y02		
Y02 3SB34PDZ Y02 3SB34PDZ Y02 3SB34RDZ Y02 3SB34RDZ Y02 3SB34SDZ Y02 3SB35ADZ Y02 3SB35BD01-Z Y02 3SB35BD01-Z Y02 3SB35ED01-Z Y02 3SB35ED01-Z Y02 3SB35FD01-Z Y02		
Y02 3SB34QDZ Y02 3SB34RDZ Y02 3SB34SDZ Y02 3SB35ADZ Y02 3SB35ADZ Y02 3SB35BD01-Z Y02 3SB35ED01-Z Y02 3SB35ED01-Z Y02 3SB35FD01-Z Y02		
Y02 3SB34RDZ Y02 3SB34RDZ Y02 3SB34SDZ Y02 3SB35ADZ Y02 3SB35BD01-Z Y02 3SB35BD01-Z Y02 3SB35ED01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD51-Z Y02 EMERGENCY-STOP mushroom push buttons CES SSP 9 3SB31KA20-Z SB31KA20-Z SB31KA20-Z Y02 Y02 Y03 Y03		Y02
W02 3SB34SDZ Y02 3SB35ADZ Y02 3SB35BD01-Z Y02 3SB35BD01-Z Y02 3SB35ED01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD51-Z Y02 BKS E9 ¹⁾ 3SB35FD51-Z Y02 EMERGENCY-STOP mushroom push buttons CES SSP 9 3SB31KA20-Z		Y02
Y02		Y02
Y02 3SB35BD01-Z Y02 3SB35BD01-Z Y02 3SB35DDZ Y02 3SB35ED01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 SBB35FD51-Z Y02 EMERGENCY-STOP mushroom push buttons CES SSP 9 3SB31KA20-Z SBB31KA20-Z SBB31KA20		
Y02 3SB35DDZ Y02 3SB35DDZ Y02 3SB35ED01-Z Y02 3SB35FD01-Z Y02 3SB35GD01-Z Y02 3SB35GD01-Z Y02 SB35FD51-Z Y02 EMERGENCY-STOP mushroom push buttons CES SSP 9 3SB31KA20-Z	BKS E1, E2, E7, E9 ¹⁾	
Y02 3SB35ED01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35FD51-Z Y02 EMERGENCY-STOP mushroom push buttons CES SSP 9 3SB31KA20-Z		
Y02 3SB35FD01-Z Y02 3SB35FD01-Z Y02 3SB35GD01-Z Y02 SB35FD51-Z Y02 EMERGENCY-STOP mushroom push buttons CES SSP 9 3SB31KA20-Z		Y02
Y02 3SB35GD01-Z Y02		
## Y02 BKS E9 ¹⁾ 3SB35FD51-Z Y02 EMERGENCY-STOP mushroom push buttons CES SSP 9 3SB31KA20-Z		Y02
EMERGENCY-STOP mushroom push buttons CES SSP 9 3SB31KA20-Z		
buttons CES SSP 9 3SB31KA20-Z	BKS E9 ¹⁾	
	CES SSP 9	

¹⁾ Delivery of these BKS key-operated switches (locks for VW) without key.

3SB3. ..-1LA20-Z

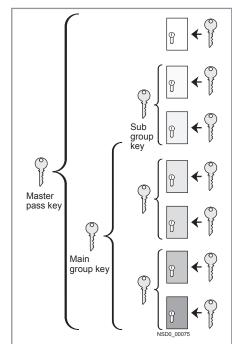
Master and master-pass key systems

The following key systems can be supplied with BKS or CES keyoperated switches:

- · Central lock systems
- · Master key systems
- · Central master key systems
- Master-pass key systems

When placing an order you must supplement the Order No. of the matching key-operated switches with "-Z" and quote the order code "Y03".

Please enquire for price and delivery time.



Example of master-pass key system

Ordering notes

- For all special locks, an additional price applies.
- The order code "Y01" or "Y02" must be quoted in accordance with the table above. Automated processing of the order with a defined delivery time can be guaranteed only for correctly submitted orders.
- For applications in which access security is important and several lock numbers are used, we recommend the use of BKS or CES key-operated switches.
- Special locks for VW (E1, E2, ...) will be delivered without keys, all others with 2 keys.

2

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4

5

7

0

10

BKS E2, E7, E91)

3SB3, Components for Actuators and Indicators, 22 mm

Contact block position for selector switches & 3-position push-pull

Selection and ordering data

Switch Position (front of switch)		Circuit	Contact Block	Block Postion ¹⁾²⁾	
Two-Position Selector Contact Block Selection					
0	X	1 NO	3SB34 00-0B	Any Postion	
X	0	1 NC	3SB34 00-0C	Any Postion	
O X	X O	1 NO/1 NC	3SB34 00-0A	Any Postion	
0	X	2 NO	3SB34 00-0D	Any Postion	
X	0	2 NC	3SB34 00-0E	Any Postion	
Thurs Desitte		an Orastant Dia	1.0.1		

Three-Position Selector Contact Block Selection

Inree-P	OSILIO	n Selec	ctor Contact Biod	x Selection	
Χ	0	Ο	1 NO	3SB34 00-0B	1 or 2A
X	0	Χ	1 NO	3SB34 00-0B	2
0	0	Χ	1 NO	3SB34 00-0B	3 or 2B
0	Χ	Χ	1 NC	3SB34 00-0C	1 or 2A
0	Χ	Ο	1 NC	3SB34 00-0C	2
Χ	Χ	0	1 NC	3SB34 00-0C	3 or 2B
X	O X	O X	1 NO/1 NC	3SB34 00-0A	1 or 2A
X	O X	X	1 NO/1 NC	3SB34 00-0A	2
O	O X	X	1 NO/1 NC	3SB34 00-0A	3 or 2B
X	0	0	2 NO	3SB34 00-0D	1 or 2A
X	0	X	2 NO	3SB34 00-0D	2
0	0	X	2 NO	3SB34 00-0D	3 or 2B
0	X	X	2 NC	3SB34 00-0E	1 or 2A
0	X	0	2 NC	3SB34 00-0E	2
X	X	0	2 NC	3SB34 00-0E	3 or 2B
Three-P	Three-Position Push-Pull Contact Block Selection				

Three	-Position	n Pusl	h-Pull Contact Blo	ck Selection	
Out	Center	In			
Χ	Ο	Ο	1 NO	3SB34 00-0B	1 or 2A
0	0	Χ	1 NO	3SB34 00-0B	3 or 2B
Х	Χ	0	1 NC	3SB34 00-0C	3 or 2B
0	Χ	Χ	1 NC	3SB34 00-0C	1 or 2A
O X	X	X	1 NO/1 NC	3SB34 00-0A	1 or 2A
X	X	O X	1 NO/1 NC	3SB34 00-0A	3 or 2B
O X	X	O X	1 NO/1 NC	3SB34 00-0A	2

Rear View of Switch



Operator without Contact Block Carrier

For Mounting Contacts Directly to Operator



Operator with Contact block carrier

For Mounting Contacts with Carrier

- X Contact Closed
- 0 Contact Open
- 2 Both Pushers Inserted
- 2A—Left Pusher Inserted
- 2B-Right Pusher Inserted



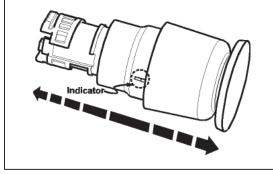
3SB39 01-0AC for operating center position. Shown with both pushers inserted (Sold separately)



3SB39 01-0AB included with illuminated devices

Orienting 3-Position Push-Pull Devices

- 1. Pull the operator to the out position and locate the device orientation mark.
- 2. With the mark located, insert into panel with the mark on the left side of the device as you face the panel.



¹⁾ Positions 2, 2A and 2B cannot be used on illuminated selector switches. Position is occupied by lamp module.

For illuminated transformer-type devices, an extra-deep lampholder is required when using two-element contact

Laser inscriptions

Overview

Inscription of actuators and indicators

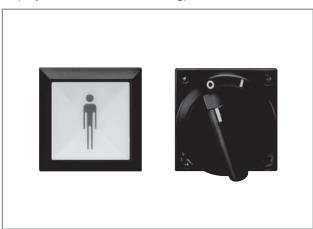
Actuators and indicators of plastic as well as metal version can be optionally inscribed with a laser.



Pushbutton (metal) with laser inscription

The actuators of the push buttons, illuminated push buttons, mushroom push buttons and illuminated mushroom push buttons can be inscribed as well as the lenses of the indicator lights.

Selector switches can be inscribed only if they are made of plastic (only one text line on the front ring).



Pushbutton and selector switch (plastic) with laser inscription

Version

A letter height of 4 mm is used as standard for text inscriptions:

The typeface used is Arial. Other letter heights and typefaces are possible, but must be specified when ordering.

For round buttons and lenses, the possible number of characters per line is:

- 10 characters for one line of text
- 8 characters for 2 lines of text
- 6 characters for 3 lines of text. but 10 characters in the middle line

On square buttons and lenses, 10 characters are possible per line

Ordering notes

When ordering, supplement the Order No. of the actuator or the indicator light with "-Z" and an order code:

- Text line in upper/lower case, always upper case for beginning of line (e.g. "Lift off"): Y10
- Text in upper case (e.g. "LIFT OFF"): Y11
- Text in lower case (e.g. "lift off"): Y12
- Text in upper/lower case, all words begin with capital letters (e.g. "Lift Off"): Y15
- Symbol with number according to ISO 7000 or IEC 60417: Y13
- Any inscription or symbol according to order form supplement: Y19

Additional price per unit for Y10 to Y19 on request.

When ordering, specify the required inscription in plain text in addition to the order number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language (see ordering

In the case of multi-line inscriptions, the text must be assigned to the respective line, e.g. "Z1 = Lift, Z2 = Lower". For long words you can also specify the end-of-line division.

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417 (see ordering examples 2 and 3).

For special symbols (order code Y19), a CAD drawing in DXF format can be submitted.

Ordering example 1

A round push button with the inscription "Reset" is required:

3SB30 00-0AA41-Z

Z = Reset (English)

Ordering example 2

A square push button inscribed with symbol No. 5389 according to IEC 60417 is required:

3SB31 10-0AA31-Z Y13

Z = 5389 IEC

Ordering example 3

A round push button inscribed with symbol No. 1118 according to ISO 7000 is required:

3SB30 00-0AA41-Z

Z = 1118 ISO

Y13

3SB3, Inscriptions, 22 mm

Laser inscriptions

Options

Customized inscriptions

The labels can be inscribed with text and symbols not listed in the ordering data.

Insert Labels

By default, a letter height of 4 mm (for a single line of text) or 3 mm (for 2 or 3 lines of text) is used for text inscriptions.

The typeface used is Arial. Other letter heights and typefaces are possible, but must be specified when ordering.

For round insert labels, the maximum possible number of characters per line is:

- 10 characters for one line of text
- 8 characters for 2 lines of text
- 6 characters for 3 lines of text, but 10 characters in the middle line

On square insert labels, 10 characters are possible per line.

Name plates

The following letter heights are used as standard for text inscriptions:

- Label size 12.5 mm x 27 mm: maximum 3 lines with letter height 4 mm (1-line), 3.5 mm (2-line) or 2.5 mm (3-line)
- Label size 27 mm x 27 mm: maximum 5 lines with letter height 4 mm (1- to 5-line)
- Label size 17.5 mm x 28 mm: maximum 3 lines with letter height 4 mm (1- and 2-line) or 3 mm (3-line)

Up to 11 characters per line are possible. The typeface used is Arial. Other letter heights and typefaces are possible, but must be specified when ordering.

Inscription labels for enclosures

A letter height of 4 mm is used as standard for text inscriptions (1 to 3 lines)

Up to 11 characters per line are possible. The typeface used is Arial. Other letter heights and typefaces are possible, but must be specified when ordering.

Ordering notes

Append the following codes to the Order No.:

- Text line(s) in upper/lower case, upper case always for beginning of line (e.g. "Lift off"): K0Y
- Text line(s) in upper case (e.g. "LIFT OFF"): K1Y
- Text line(s) in lower case (e.g. "lift off"): K2Y
- Text line(s) in upper/lower case, all words begin with upper case letters (e.g. "Lift Off"): K5Y
- Symbol with number according to ISO 7000 or IEC 60417:
 K3Y
- Any inscription or symbol according to order form supplement: K9Y

When ordering, specify the required inscription in plain text in addition to the order number and order code. In the case of special inscriptions with words in languages other than German, give the exact spelling and specify the language.

In the case of multi-line inscriptions, the text must be assigned to the respective line, e.g. "Z1 = Lift, Z2 =Lower". For long words you can also specify the end-of-line division (see ordering example 1).

Symbols can also be ordered with numbers according to ISO 7000 or IEC 60417 (see ordering examples 2 and 3).

For special symbols (order code K9Y), a CAD drawing in DXF format should be submitted to sirius-attach.aud@siemens.com

Ordering example 1

A label with 2 lines of text is required:

3SB39 02-1XZ

K1Y

Z1 = LIFT

Z2 = LOWER

Ordering example 2

A label inscribed with symbol No. 5011 according to IEC 60417 is required:

3SB39 02-1XZ

K3Y

Z = 5011 IEC

Ordering example 3

A label inscribed with symbol No. 1118 according to ISO 7000 is required:

3SB39 02-1XZ

K3Y

Z = 1118 ISO

Examples for customized inscription



Two-line inscription in upper/lower case lettering (K0Y)



Single-line inscription in upper case lettering (K1Y) (Name plates)



Three-line inscription in lower case lettering (K2Y)



Symbol number 5011 according to IEC 60417 (K3Y)



Any symbol according to order form supplement (K9Y) (Inscription labels for enclosures)

3SB3, Inscriptions, 22 mm

Inscriptions by laser printer

Overview

Label inscriptions

Using the *Label Designer* software, which can be downloaded from the Internet, and the inscription labels for laser inscription you can create your own customized labels with a standard laser printer.

The self-adhesive or snap-on labels can be stuck or snapped onto the corresponding label holders (see Name plates). Round labels are provided for inserting in illuminated push buttons and switches.

The labels are suitable for printing with one to three lines of text or symbols.

For applications with more exacting requirements we recommend factory-printed inscription labels and insert labels (laser-printed or engraved depending on the type).

You can find the Label Designer software on the Internet at:

www.siemens.com/sirius-label-designer

Selection and ordering data

	Version	Color	DT	Order No. Pr	rice PU PU (UNIT, SET, M)	PS
Labels for printing						
1 2 3 4 5 16 1 8	Insert labels for inserting in round illuminated push buttons and illuminated switches	Milky	А	3SB39 01-2AB	100	480 units
$\frac{2}{\ell}$ 3	Inscription labels 12.5 mm x 27 mm for sticking onto label holder	White	А	3SB39 02-2AA	100	480 units
9 4 9	Inscription labels 27 mm x 27 mm for sticking onto label holder	White	А	3SB39 03-2AA	100	480 units
5 7 0	Inscription labels 17.5 mm x 28 mm for snapping onto label holder	White	Α	3SB39 05-2AA	100	720 units
2 2 2 3 4 6 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7 6 7	Inscription labels 22 mm x 22 mm for sticking onto enclosure	White	А	3SB39 06-2AA	100	700 units

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3

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3SB3, Inscriptions, 22 mm

Insert labels

Overview

Push buttons (clear) and illuminated push buttons with a flat button can be fitted with insert labels for identification purposes, but indicator lights cannot.

These insert labels are made of clear, transparent plastic with black inscription; they can be fitted in any 90° angle.

Inscriptions

The inscriptions have upper case initial letters. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417 (see page 10/72).

The insert labels without inscription are suitable for user marking with permanent pen.

Selection and ordering data

	Inscription/Symbol		Symbol No.	DT	Round range	D	Square range	
	пъсприоп/зупрог		Symbol No.	וט	_	ce		Price
					per			r PU
Insert label	s							
	For self-inscription							
	Blank			В	3SB19 01-4AS	В	3SB39 40-4AA	
	With inscription							
400	On Off			B B	3SB19 01-4EB 3SB19 01-4EC	B B	3SB39 40-4EB 3SB39 40-4EC	
	Up			В	3SB19 01-4ED	В	3SB39 40-4ED	
	Down			В	3SB19 01-4EE	В	3SB39 40-4EE	
	Forward			В	3SB19 01-4EF	В	3SB39 40-4EF	
	Reverse Right			B C	3SB19 01-4EG 3SB19 01-4EH	В	3SB39 40-4EG	
	Left			Č	3SB19 01-4EJ		-	
	Open			В	3SB19 01-4EP	В	_	
	Close Fast			B B	3SB19 01-4EQ 3SB19 01-4ER		_	
	Slow			В	3SB19 01-4ES		_	
	Running			В	3SB19 01-4EV		3SB39 40-4EV	
	Fault Reset			B B	3SB19 01-4EW 3SB19 01-4EM	В	3SB39 40-4EW 3SB39 40-4EM	
	Test			В	3SB19 01-4EN	Ь	-	
	Start			В	3SB19 01-4EK	В	3SB39 40-4EK	
	Stop			В	3SB19 01-4EL	В	3SB39 40-4EL	
TI.	With graphic symbol		5000 150	-	0004004.4140		20002 42 4440	
	O (Off)	\circ	5008 IEC	В	3SB19 01-4MB	В	3SB39 40-4MB	
	I (On)	1	5007 IEC	В	3SB19 01-4MC	В	3SB39 40-4MC	
	II (On)	П	_	В	3SB19 01-4MD	В	3SB39 40-4MD	
	Electric motor		0011 ISO	В	3SB19 01-4PA		3SB39 40-4PA	
	Motion in direction of arrow	\rightarrow	5022 IEC	В	3SB19 01-4NA	В	3SB39 40-4NA	
	Increase, plus	+	5005 IEC	В	3SB19 01-4NG	В	3SB39 40-4NG	
	Decrease, minus	<u> </u>	5006 IEC	В	3SB19 01-4MC	В	3SB39 40-4MC	
	With customized inscription							
	For inscriptions or symbols see "Options"				3SB19 01-4AZ		3SB39 40-4AZ	
	 Text line(s) or symbol with No. 			В	K0Y, K1Y, K2Y, K3Y or K5Y	В	K0Y. K1Y. K2Y. K3Y or K5Y	
	 Any inscription or symbol 			В	К9Ү	В	K9Y	

For customized inscriptions see page 10/72.

3SB3, Inscriptions, 22 mm

Name plates

Overview

The name plates consist of a black plastic label holder and an inscription label (black with white print or silver-colored with black print) for sticking or snapping in place. They are not suitable for EMERGENCY-STOP push buttons.

Note mounting dimensions!

Inscriptions

The inscriptions have upper case initial letters. The typeface is Arial. Graphic symbols, including those not listed in the tables, are according to ISO 7000 or IEC 60417 (see page 10/72).

Self-adhesive labels

There are 2 sizes available for the round and square ranges:

- Label holders 30 mm x 45 mm x 7 mm with inscription label 12.5 mm x 27 mm.
- Label holders 30 mm × 60 mm × 7 mm with inscription label 27 mm × 27 mm.

Snap-on labels

The following version is available for the round range:

 Label holders 29.8 mm x 51 mm x 3 mm with inscription label 17.5 mm x 28 mm (inscription area: 17.5 mm x 27 mm)

Selection and ordering data

	Inscriptions	DT	Black	DT	Silver-colored
			Order No.		Order No.
			Cradi No.		0.00.110.
Inscription labels	. self-adhesive.				
12.5 mm × 27 mm					
	For self-inscription				
	Blank		3SB39 02-1AA	В	3SB19 01-2AA
	Dialik		33B39 02-1AA	Ь	33B19 01-2AA
Forward	With inscription				
Torward	On	В	3SB39 02-1EB	В	3SB19 01-2EB
Cabaall	Off	В	3SB39 02-1EC	В	3SB19 01-2EC
Schnell	Up Down	B B	3SB39 02-1ED 3SB39 02-1EE	B B	3SB19 01-2ED 3SB19 01-2EE
	Emerg. Stop	D	3SB39 02-1EE 3SB39 02-1AU	Ь	35B19 01-2EE
	Hand O Auto		3SB39 02-1BE		
	Jog		3SB39 02-1BG		
	Man O Auto		3SB39 02-1ET		
	Power Off		3SB39 02-1BH		
	Power On Reset		3SB39 02-1BJ 3SB39 02-1EM		
	Run		3SB39 02-1EM 3SB39 02-1EX		
	Forward	В	3SB39 02-1EF	_	
	Reverse	В	3SB39 02-1EG		
	Right	В	3SB39 02-1EH	В	3SB19 01-2EH
	Left	В	3SB39 02-1EJ	В	3SB19 01-2EJ
	Open	В	3SB39 02-1EP	В	3SB19 01-2EP
	Close	В	3SB39 02-1EQ	В	3SB19 01-2EQ
	Fast		_	В	3SB19 01-2ER
	Slow		_	В	3SB19 01-2ES
	Stop	В	3SB39 02-1EK	В	3SB19 01-2EK
	Start Test	B B	3SB39 02-1EL 3SB39 02-1EN	ВВ	3SB19 01-2EL 3SB19 01-2EN
	Running	D	- UZ-1EIN	В	3SB19 01-2EN 3SB19 01-2EV
	Fault	В	3SB39 02-1EW	В	3SB19 01-2EW
	Reset		_	В	3SB19 01-2EM
	Stop Start	В	3SB39 02-1BC	В	3SB19 01-2BC
	Hand Auto	В	3SB39 02-1BA	В	3SB19 01-2BA
	Man Auto	В	3SB39 02-1EU	В	3SB19 01-2EU
	Hand O Auto		_	В	3SB19 01-2BE
	Man O Auto Off On		- 3SB39 02-1EA	В	3SB19 01-2ET
	Oll Oll		33D39 UZ-1EA		

For label holders see page 10/78.

For customized inscriptions see page 10/72..

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Push Button Units and Indicator Lights 3SB3, Inscriptions, 22 mm

Name plates

	Inscriptions	DT	Black	DT	Silver-colored
			Order No.		Order No.
12.5 mm × 27 m	els, self-adhesive,				
12.5 IIIII × 27 II	With graphic symbol				
\circ \circ	O Symbol	В	3SB39 02-1MB	В	3SB19 01-2MB
	1	B	3SB39 02-1MC	В	3SB19 01-2MC
1011	II III		_	C B	3SB19 01-2MD 3SB19 01-2ME
	01	В	3SB39 02-1MF	В	3SB19 01-2ME
	101	В	3SB39 02-1MG	В	3SB19 01-2MG
	1 0 2	Б	-	В	3SB19 01-2MK
	1 2	B B	3SB39 02-1ML 3SB39 02-1NJ	В	- 3SB19 01-2NA
		В	3SB39 02-1NA	В	3SB19 01-2NJ
	With customized inscription				
LIFT	For inscriptions or symbols see "Options"		3SB39 02-1XZ		3SB19 01-2XZ
	Text line(s)	В	KOY	В	KOY
	 Text line(s) or symbol with No. 	В	K1Y, K2Y, K3Y or	В	K1Y. K2Y. K3Y or
			K5Y		K5Y
	Any inscription or symbol	В	К9Ү	В	K9Y
	Inscriptions	DT	Black	DT	Silver-colored
			Order No.		Order No.
Incorintian labor	els, self-adhesive,				
27 mm × 27 mn					
	For self-inscription				
	Blank	В	3SB39 03-1AA	В	3SB19 06-2AA
	With inscription				
	On	В	3SB39 03-1EB		_
	Off Start	B B	3SB39 03-1EC 3SB39 03-1EL		- - -
	Emerg. Stop	В	3SB39 03-1AU		_
	Hand O Auto	B B	3SB39 03-1BE		_ _
	Jog Man O Auto	В	3SB39 03-1BG 3SB39 03-1ET		_
	Power Off	В	3SB39 03-1BH		-
	Power On Reset	B B	3SB39 03-1BJ 3SB39 03-1EM		_
	Run	В	3SB39 03-1EX		-
Off	Forward Reverse	B B	3SB39 03-1EF 3SB39 03-1EG		_
	Right	В	3SB39 03-1EH		_
	Left	B B	3SB39 03-1EJ		_ _ _
	Up Down	В	3SB39 03-1ED 3SB39 03-1EE		_
	Open	В	3SB39 03-1EP		-
	Close Test	B B	3SB39 03-1EQ 3SB39 03-1EN		_
	Stop	В	3SB39 03-1EK		-
	Man Auto Off On	B B	3SB39 03-1EU 3SB39 03-1EA		-
	Stop Start	В	3SB39 03-1BC		_
	Hand Auto	В	3SB39 03-1BA		-
	With graphic symbol	_			
	0	В	3SB39 03-1MB		_
	01	В	3SB39 03-1MF		_
	With outtomized incovintion	В	3SB39 03-1NA		-
	With customized inscription For inscriptions or symbols see "Options"		3SB39 03-1XZ		3SB19 06-2XZ
Ein	Text line(s)	В	K0Y	В	K0Y
	Text line(s) Text line(s) or symbol with No.		K1Y, K2Y, K3Y or	В	K1Y. K2Y. K3Y or
	Toke into(s) or symbol with two.	U	K5Y	D	K5Y
	 Any inscription or symbol 	В	К9Ү	В	K9Y

For label holders see page 10/78.

For customized inscriptions see page 10/72.

Push Button Units and Indicator Lights 3SB3, Inscriptions, 22 mm

Name pla	

Inscription labels, for snapping on,	B39 05-1AA B B39 05-1EB B B39 05-1EC B39 05-1ED B	Silver-colored Order No. 3SB19 04-2AA
Inscription labels, for snapping on, 17.5 mm × 28 mm	B39 05-1AA B B39 05-1EB B B39 05-1EC B	
For self-inscription	B39 05-1EB B B39 05-1EC B	3SB19 04-2AA
Blank B 3SB	B39 05-1EB B B39 05-1EC B	3SB19 04-2AA
With inscription On B 3SB Off B 3SB Up B 3SB Down B 3SB Forward B 3SB Reverse B 3SB Right B 3SB Left B 3SB Open B 3SB Stop B 3SB Start B 3SB Start B 3SB Fault B 3SB Reset — — Stop Start B 3SB Man Auto B 3SB Man O Auto — — With graphic symbol — — O I B 3SB I O II B 3SB	B39 05-1EB B B39 05-1EC B	3SB19 04-2AA
Off B 3SE Off B 3SE Up B 3SE Down B 3SE Forward B 3SE Reverse B 3SE Right B 3SE Left B 3SE Open B 3SE Close B 3SE Stop B 3SE Test — — Running B 3SE Fault B 3SE Reset — — Stop Start B 3SE Man Auto B 3SE Man O Auto — — With graphic symbol — — O I B 3SE	B39 05-1EC B	
### Description of the content of t	B39 05-1EC B	
Down		3SB19 04-2EB
Down B 3SE		3SB19 04-2EC
Reverse B 3SE	B39 05-1EE	_
Right B 3SE	B39 05-1EF B	_
Left B 3SE Open B 3SE Close B 3SE Stop B 3SE Start B 3SE Running B 3SE Fault B 3SE Reset — Stop Start B 3SE Hand Auto B 3SE Man O Auto — With graphic symbol O B 3SE O I	B39 05-1EG B	3SB19 04-2EG
Open Close B 3SE Stop Start B 3SE Start B 3SE Test — — Running B 3SE Fault B 3SE Reset — — Stop Start Hand Auto B 3SE Man Auto B 3SE Man O Auto — — With graphic symbol — B 3SE O I B 3SE O I <t< td=""><td>B39 05-1EH B39 05-1EJ</td><td>_</td></t<>	B39 05-1EH B39 05-1EJ	_
Ciose B 3SE Stop B 3SE Start B 3SE Test — Running B 3SE Fault B 3SE Reset — — Stop Start B 3SE Hand Auto B 3SE Man Auto B 3SE Man O Auto — — With graphic symbol O B 3SE O I B 3SE	B39 05-1EP	_
Start B 3SE Test — Running B 3SE Fault B 3SE Reset — Stop Start B 3SE Hand Auto B 3SE Man Auto B 3SE Man O Auto — With graphic symbol — O B 3SE O I B 3SE O I B 3SE I O II B 3SE	B39 05-1EQ	-
Test Running Reset Reset Stop Start Hand Auto Man Auto Man O Auto	B39 05-1EK B	3SB19 04-2EK
Running	B39 05-1EL B	3SB19 04-2EL
Fault B 3SB Reset - Stop Start B 3SB Hand Auto B 3SB Man Auto B 3SB Man O Auto - With graphic symbol O B 3SB I B 3SB I B 3SB I B 3SB I B 3SB	В	3SB19 04-2EN
Reset	B39 05-1EV	_
Stop Start Hand Auto B 3SB Man Auto Man O Auto	B39 05-1EW B	3SB19 04-2EW
Hand Auto Man Auto Man O Auto With graphic symbol O I I I I I I I I I I I I I I I I I I	В	3SB19 04-2EM
Man Auto Man O Auto With graphic symbol ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○	B39 05-1BC B	3SB19 04-2BC
Man O Auto	B39 05-1BA B	3SB19 04-2BA
With graphic symbol ○	B39 05-1EU	3SB19 04-2EU
O B 3SB B 3SB B 3SB B 3SB B 3SB	В	3SB19 04-2ET
B 3SB B 3S		
OI B 3SB	B39 05-1MB	3SB19 04-2MB
0 1 1011	B39 05-1MC B	3SB19 04-2MC
	B39 05-1MF	3SB19 04-2MF
102	B B	3SB19 04-2MG 3SB19 04-2MK
В 358	B39 05-1NA B	3SB19 04-2MR 3SB19 04-2NA
	B39 05-1NJ B	3SB19 04-2NJ
With customized inscription		
	B39 05-1XZ	3SB19 04-2XZ
• Text line(s)		K0Y
		K1Y. K2Y. K3Y or K5Y
Any inscription or symbol B K9Y	Y B Y, K2Y , K3Y or B	K9Y

For label holders see page 10/78.

For customized inscriptions see page 10/72.

Siemens Industry, Inc. Industrial Controls Catalog

Push Button Units and Indicator Lights 3SB3, Inscriptions, 22 mm

Name plates

	Version	DT	Black	PU (UNIT, SET, M)	PS
			Order No.		
Label holders for	inscription labels 12.5 mm × 27 mm				
	For round range, flat	В	3SB39 22-0AV	100	10 units
	For potentiometer drives 3SB10 00-7CH07 ¹⁾	В	3SB39 22-0AS	1	1 unit
3SB39 22-0AV	For square range, flat	В	3SB39 42-0AX	100	5 units
Label holders for	inscription labels 27 mm × 27 mm				
	For round range, flat	В	3SB39 23-0AV	100	10 units
	For round range, raised	С	3SB39 23-0AX	1	10 units
	For potentiometer drives, flat	В	3SB39 23-0AS	1	1 unit
3SB39 23-0AV	For square range, flat	В	3SB39 43-0AX	100	1 unit
Label holders for	inscription labels 17.5 mm × 28 mm				
3SB39 25-0AV	For round design	>	3SB39 25-0AV	100	10 units

¹⁾ This label holder can also be used for push buttons with dust covers if the front panel thickness of 3 mm is not exceeded.

Push Button Units and Indicator Lights 3SB3, Accessories and spare parts, 22 mm

Buttons and lenses

Selection and ordering	ng data					
	Version	Color	DT	Order No.	PU (UNIT, SET, M)	PS
Buttons and lenses for	or round version ¹⁾					
	Buttons, flat for round illuminated push buttons and illuminated switches, plastic version	Red Yellow Green Blue White Clear	B B B B	3SB39 30-0CA2 3SB39 30-0CA3 3SB39 30-0CA4 3SB39 30-0CA5 3SB39 30-0CA6 3SB39 30-0CA7	1 1 1 1 1	10 units 10 units 10 units 10 units 10 units 10 units
3SB39 30-0CA6	Buttons, flat for round push buttons and switches, metal version	Black Red Yellow Green Blue White Clear	B B B B B	3SB39 30-0EA1 3SB39 30-0EA2 3SB39 30-0EA3 3SB39 30-0EA4 3SB39 30-0EA5 3SB39 30-0EA6 3SB39 30-0EA7	1 1 1 1 1 1 1	10 units 10 units 10 units 10 units 10 units 10 units 10 units
3SB39 30-0EA3	Buttons, raised for round illuminated push buttons and illuminated switches, plastic version	Red Green Clear	B B B	3SB39 30-0DA2 3SB39 30-0DA4 3SB39 30-0DA7	1 1 1	10 units 10 units 10 units
3SB39 30-0DA4	Buttons, raised for round push buttons and switches, metal version	Black Red Yellow Green Blue White Clear	0000000	3SB39 30-0FA1 3SB39 30-0FA2 3SB39 30-0FA3 3SB39 30-0FA4 3SB39 30-0FA5 3SB39 30-0FA6 3SB39 30-0FA7	1 1 1 1 1 1 1	10 units 10 units 10 units 10 units 10 units 10 units 10 units
3SB39 30-0FA4	Buttons, flat for round illuminated push buttons and illuminated switches, metal version	Amber Red Yellow Green Blue White Clear	B B B B B	3SB39 30-0GA0 3SB39 30-0GA2 3SB39 30-0GA3 3SB39 30-0GA4 3SB39 30-0GA5 3SB39 30-0GA6 3SB39 30-0GA7	1 1 1 1 1 1	10 units 10 units 10 units 10 units 10 units 10 units 10 units
3SB39 30-0GA3	Buttons, flat, solvent-resistant ²⁾ , for round illuminated push buttons and switches, metal version	Red Yellow Green Blue White Clear	B B B B B	3SB39 30-0GA20-0PA0 3SB39 30-0GA30-0PA0 3SB39 30-0GA40-0PA0 3SB39 30-0GA50-0PA0 3SB39 30-0GA60-0PA0 3SB39 30-0GA70-0PA0	1 1 1 1 1 1	10 units 10 units 10 units 10 units 10 units 10 units
3SB39 30-0HA4	Buttons, raised for round illuminated push buttons and illuminated switches, metal version	Amber Red Yellow Green Blue White Clear	0000000	3SB39 30-0HA0 3SB39 30-0HA2 3SB39 30-0HA3 3SB39 30-0HA4 3SB39 30-0HA5 3SB39 30-0HA6 3SB39 30-0HA7	1 1 1 1 1 1	10 units 10 units 10 units 10 units 10 units 10 units 10 units
3SB39 30-6BA3	Lenses, smooth For round indicator lights, plastic and metal version	Amber Red Yellow Green Blue White Clear	C B B B B B B	3SB39 30-6BA0 3SB39 30-6BA2 3SB39 30-6BA3 3SB39 30-6BA4 3SB39 30-6BA5 3SB39 30-6BA6 3SB39 30-6BA7	1 1 1 1 1 1 1	10 units 10 units 10 units 10 units 10 units 10 units 10 units
3SB39 30-6CA3	Lenses with concentric rings For round indicator lights, plastic and metal version	Amber Red Yellow Green Blue White Clear	B B B B B	3SB39 30-6CA0 3SB39 30-6CA2 3SB39 30-6CA3 3SB39 30-6CA4 3SB39 30-6CA5 3SB39 30-6CA6 3SB39 30-6CA7	1 1 1 1 1 1 1	10 units 10 units 10 units 10 units 10 units 10 units 10 units
Buttons and lenses for						
3SB39 50-0CA6	Buttons, flat For square illuminated push buttons and illuminated switches, plastic version	Red Yellow Green Blue White Clear	B B B B	3SB39 50-0CA2 3SB39 50-0CA3 3SB39 50-0CA4 3SB39 50-0CA5 3SB39 50-0CA6 3SB39 50-0CA7	1 1 1 1 1	10 units 10 units 10 units 10 units 10 units
3SB39 50-6AA2	Lenses, smooth For square indicator lights, plastic version	Red Yellow Green Blue White Clear	B B B B	3SB39 50-6AA2 3SB39 50-6AA3 3SB39 50-6AA4 3SB39 50-6AA5 3SB39 50-6AA6 3SB39 50-6AA7	1 1 1 1 1 1	10 units 10 units 10 units 10 units 10 units 10 units

 $^{^{1)}\,}$ In scope of supply of push buttons or indicator lights.

²⁾ Not suitable for laser inscription.

3SB3, Accessories and spare parts, 22 mm

Lamps, acoustic signal transformers and keys

Selection and ordering data

Selection and ordering							
	Version	Rated voltage	Color	DT	Order No.	PU (UNIT, SET, M)	PS
		V					
Lamps, BA 9s bases ¹⁾							
	Incandescent lamps 1.2 W, length up to 28 mm, max. bulb diameter 10 mm	24 AC/DC	Clear	А	3SB19 02-0AY	1	10 units
3SB19 02-0AY	Incandescent lamps 2 W, length up to 28 mm, max. bulb diameter 10 mm	6 AC/DC 12 AC/DC 24 AC/DC 30 AC/DC 48 AC/DC 60 AC/DC	Clear	A A A B A	52AABN 52AACN 52AADN1 3SB19 02-2AF 3SB19 02-1AP 3SR94 24	1 1 1 1 1	1 units 1 units 1 units 10 units 10 units
	Incandescent lamps 2.6 W, length 28 mm, bulb diameter 10 mm	110 130 AC/DC ²⁾	Clear	>	3SX1 731	1	10 units
	Incandescent lamps 3 W, length 28 mm, bulb diameter 10 mm	120V #120 MB	Clear	•	52AAENC	1	1 units
	Multi-incandescent lamps 1.2 W, endurance 25 000 h, high resistance to vibration	24 AC/DC		В	3SB19 02-2BU	1	10 units
3SB39 01-1PA	LED lamps, super-bright Length up to 28 mm, max. bulb diameter 10 mm, max. operational current 15 mA	24 V AC/DC	Red Green Yellow White Blue	B A B	52AED2 52AED3 52AED4 52AEDB 52AEDB	1 1 1 1 1	1 units 1 units 1 units 1 units 1 units
33539 VI-IFA		48 AC/DC	Red Yellow Green Blue White	B B B B	3SB39 01-1CC 3SB39 01-1BC 3SB39 01-1DC 3SB39 01-1PC 3SB39 01-1QC	1 1 1 1 1	10 units 10 units 10 units 10 units 10 units
		120 AC/DC	Red Green Yellow White Blue	B B B B	52AEE2 52AEE3 52AEE4 52AEEB 52AEE5	1 1 1 1 1	1 units 1 units 1 units 1 units 1 units
		230 AC, 110 160 DC, if X1 at "+"	Red Yellow Green Blue White	B B B B	3SB39 01-1CF 3SB39 01-1BF 3SB39 01-1DF 3SB39 01-1PF 3SB39 01-1QF	1 1 1 1 1	10 units 10 units 10 units 10 units 10 units
		230 AC/DC	Red Yellow Green Blue White	B B B B	3SB39 01-1CG 3SB39 01-1BG 3SB39 01-1DG 3SB39 01-1PG 3SB39 01-1QG	1 1 1 1 1	10 units 10 units 10 units 10 units 10 units
	LED lamps Length up to 28 mm, max. bulb diameter 10 mm, max. operational current 15 mA	22 32 DC	Red Yellow Green	D D D	3SB19 02-4AJ 3SB19 02-4BJ 3SB19 02-4CJ	1 1 1	10 units 10 units 10 units
3SB19 02-4MC	LED lamps, flashing (1.4 Hz), length up to 28 mm, bulb diameter 10 mm, operational current 24 29 mA	24 DC	Red Yellow Green	B C C	3SB19 02-4LC 3SB19 02-4MC 3SB19 02-4NC	1 1 1	10 units 10 units 10 units
3SX1 703	Glow lamps ³⁾ length 28 mm, bulb diameter 10 mm, operational current approx. 1.8 mA	110 AC 220 AC 220 AC	Clear Clear Green	A A C	3SX1 703 3SX1 701 3SX1 702	1 1 1	10 units 10 units 10 units
3SB19 02-2AD	Lamp extractors For lamps with BA 9s base			>	3SB19 02-2AD	1	1 unit

¹⁾ Essential accessories when using lamp holders with BA 9s base and delivery without lamp.

 $^{^{\}rm 2)}$ Also for 230 V when used with a 3SB34 00-1C voltage reducer.

³⁾ Due to the inherent orange color of glow lamps and their lower luminance level compared to incandescent lamps, it is recommended that they should only be used with clear or red screw lenses and in areas where ambient light levels are not very high.

Lamps, acoustic signal transformers and keys

	Version	Rated voltage	Color	DT	Order No.	PU (UNIT, SET, M)	PS
		V					
Lamps, Wedge ba	ses ¹⁾						
3SB29 08-1AE	Incandescent lamps Wedge base W2 × 4.6 d, 1.0 W	6 AC/DC 12 AC/DC 24 AC/DC 30 AC/DC 48 AC/DC 60 AC/DC	Clear	C B A B	3SB29 08-1AA 3SB29 08-1AB 3SB29 08-1AC 3SB29 08-1AD 3SB29 08-1AE 3SB29 08-1AF	100 100 100 100 1 1	10 units 10 units 10 units 10 units 10 units 10 units
3SB39 01-1SB	LED lamps, super-bright Wedge base W2 × 4.6 d, operational current 10 mA	24 AC/DC	Red Yellow Green White Blue	B B B B	3SB39 01-1SB 3SB39 01-1RB 3SB39 01-1TB 3SB39 01-1UB 3SB29 08-1BD	1 1 1 1	10 units 10 units 10 units 10 units 10 units
3SB39 01-1VE		28 AC/DC	Red Yellow Green White Blue	B B B D	3SB39 01-1SE 3SB39 01-1RE 3SB39 01-1TE 3SB39 01-1UE 3SB39 01-1VE	1 1 1 1 1	10 units 10 units 10 units 10 units 10 units
3SB29 08-2AB	Lamp extractors for lamps with bases W2×4.6 d			•	3SB29 08-2AB	1	1 unit
33B29 00-ZAB	Lamp adapters For fitting a lamp with a wedge base socket into a BA 9s lamp holder			С	3SB19 02-1AU	1	1 unit
3SB19 02-1AU							
Acoustic signal tra	ansformers, BA 9s base						
3SB19 02-2BN	Acoustic signal transformers for acoustic signaling devices ²⁾ operational current 25 mA, 0.6 W, sound pressure 80 dB/10 cm	24 28 DC		В	3SB19 02-2BN	1	1 unit

¹⁾ Can be used with lamp adapters in lamp holders with BA 9s base.

²⁾ For increased protection, the IP65 acoustic signaling device (complete unit) can be used.

	Version Lock Manufacturer	Lock No.	Color	DT	Order No.	PU (UNIT, SET, M)	PS
Keys for actuators ¹⁾							
	RONIS	SB 30	_	В	3SB39 10-4A	1	1 unit
	BKS	S1	_	Α	3SY1 066	1	1 unit
3SY1 054	CES	LSG 1	_	В	3SB19 10-2F	1	1 unit
3311034		SSG 10 SSP 9	_	B A	3SY1 054 3SY1 052	1	1 unit 1 unit
	O.M.R.	73038	Light blue	С	3SB19 10-2L	1	1 unit
		73037	Red	В	3SB19 10-2M	1	1 unit
		73034	Black	В	3SB19 10-2N	1	1 unit
		73033	Yellow	D	3SB19 10-2P	1	1 unit

¹⁾ Included in scope of supply of the key-operated switches and the EMERGENCY-STOP mushroom push buttons with key-operated switch. Also available with special lock. Supplement Order No. with "-Z" and quote the required lock in plain text. Additional price on request. This does not include locks for VW and main and general locking systems.

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3SB3, Accessories and spare parts, 22 mm

Protective covers

Version	Use	Color	DT	Order No.	PU (UNIT, SET, M)	PS
ve caps ¹⁾ , degree of protec	ction IP67					
Material: elast	olan					
Protective caps For round version	Flat button (plastic)	Clear	В	3SB39 21-0AJ	1	1 un
Torround voroion	Flat button (metal), raised button (plastic)	Clear	В	3SB39 21-0AM	1	1 un
• PVC	Raised button (metal)	Clear	С	3SB19 02-2AN	1	1 un
Protective caps For square versio	Flat button (plastic) n	Clear	В	3SB39 41-0AJ	1	1 uni
Material: silico	one					
Protective caps For round version	Flat button (plastic)	Clear	В	3SB39 21-0AH	1	1 uni
	Flat button (metal),	Clear	В	3SB19 02-0AK	1	1 uni
	raised button (plastic)					
	Raised button (metal)	Clear	В	3SB19 02-0AN	1	1 uni
Protective caps	Selector switch (plastic and metal,	Clear	В	3SB39 21-0BA	1	1 uni
For round version	normal handle)	Clear	Б	33D39 21-UDA	<u>'</u>	i uiii
Protective come	Mushagan nuch null hutton	Class	В	3SB19 02-2BH	1	1 uni
Protective caps For round version	Mushroom push-pull button, Ø 40 mm (plastic and metal)	Clear	В	35619 02-266		i uni
Н	EMERGENCY-STOP mushroom	Clear	В	3SB39 21-0BU	1	1 uni
	pushbutton, Ø 40 mm (plastic and metal)					
Protective caps	Flat button (plastic)	Clear	В	3SB39 41-0AH	1	1 uni
For square versio	n	Olcai	Ь	33B39 41-0A11	'	i uiii

¹⁾ Protective caps are not suitable for use with 3SB38 plastic enclosures. With 3SB38 metal enclosures, protective caps can only be used with 3SB34 00 single-pole contact blocks for front plate mounting. Not to be used with label holder.

Push Button Units and Indicator Lights 3SB3, Accessories and spare parts, 22 mm

Protective covers

	Version	Use	Color	DT	Order No.	PU (UNIT,	PS
						SÈT, M)	
Other protective ca	aps ¹⁾						
3SB19 02-0AL	Sealable caps For round version	Flat button (plastic) Flat button (metal), raised button (plastic)	Black Clear	B B	3SB19 02-0AL 3SB19 02-2AR	1	1 unit 1 unit
3SB19 02-2AR							
3SB39 21-0BT	Dust covers For use in dusty environments	BKS, CES, O.M.R. key-operated switch	Clear	В	3SB39 21-0BT	1	1 unit
Protective collars							
	Protective collars for EMERGENCY-STOP ²⁾ For round version	EMERGENCY-STOP mushroom push button without key-operated switch	Yellow Gray	C	3SB39 21-0AK 3SB39 21-0AP	1	1 unit 1 unit
3SB39 21-0AX		EMERGENCY-STOP mushroom pushbutton with key-operated switch	Yellow	В	3SB39 21-0AX	1	1 unit
C	Protective collars for EMERGENCY-STOP for 5 padlocks ²) For round version	3SB31AA20 EMERGENCY-STOP mushroom push button	Yellow	•	3SB39 21-0CG	1	1 unit
3SB39 21-0CG	Sun collars For round version	Illuminated push buttons	Black	В	3SB39 21-0AS	1	1 unit
3SB39 21-0AS		to for all all to					
Blanking plugs for	spare command poin Blanking plugs	Plastic version	Black	—	3SB39 21-0AA	1	10 units
	For round version	r lastic version	DIACK		33839 21-0AA	'	10 uriits
3SB39 21-0AA	Blanking plugs	Plastic version	Black	В	3SB39 41-0AA	1	1 unit
3SB39 41-0AA	For square version	riastic version	Black	В	33535 41-0AA	'	i unit
3SB39 41-0AA 3SB19 02-0AQ	Blanking plugs (plastic) for round version	Metal version	Alumi- nized	В	3SB19 02-0AQ	1	10 units

Not suitable for mounting in 3SB38 enclosures. Not to be used with label holder.

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²⁾ The protective collar must only be used to protect against inadvertent actuating and must be fitted to allow unimpeded actuation of the EMERGENCY-STOP mushroom pushbutton.

3SB3, Accessories and spare parts, 22 mm

Miscellaneous accessories

election and or	dering data						
	Version	Use	Inscriptions	DT	Order No.	PU (UNIT, SET, M)	PS
low name plat	es for EMERGENCY-S	ГОР					
	For use on front pla						
- HALT	Name plates, round Self-adhesive, external diameter 60 mm, internal diameter 23 mm	EMERGENCY-STOP mushroom push button (round version)	Blank	В	3SB39 21-0DY	1	1 unit
21-0AC	Name plates, round Self-adhesive, external diameter	EMERGENCY-STOP mushroom push button (round version)	Blank	В	3SB39 21-0AB	1	1 unit
-HALT CALL	80 mm, internal diameter 23 mm		EMERGENCY STOP	В	3SB39 21-0AD	1	1 unit
ROENZ	Name plates, round Self-adhesive, external diameter	EMERGENCY-STOP mushroom push buttons (square version)	Blank	В	3SB39 41-0AB	1	1 unit
21-0BW	80 mm, cutout 26 mm × 26 mm		EMERGENCY STOP	В	3SB39 41-0AD	1	1 unit
	Name plates, round 1 mm thick, external diameter 75 mm, internal diameter 22.5 mm	EMERGENCY-STOP mushroom push button (round version)	Blank	В	3SB19 02-2BA	1	1 unit
	Name plates, round Self-adhesive, external diameter 60 mm, internal diameter 23 mm ¹⁾	EMERGENCY-STOP mushroom push button (round version)	Blank	В	3SB39 21-0DA	1	1 unit
21-0DA	Illuminated, suitable as signaling device for EMERGENCY-STOP, with plug-in connection for 24 V AC/DC ²⁾		EMERGENCY STOP	В	3SB39 21-0DD	1	1 unit
ription labels							
01-0CH	Inscription labels For supporting dust resistance	Contact blocks		В	3SB39 01-0CH	100	10 units
)-00H	Unit labeling plates	Contact blocks		В	3TX4 210-0H	100	100 units



3TX4 210-0H

3SB3921-0BS



3SB3921-0BG



3SB3921-0BK



For front panel thickness of max. 4 mm.

Locking cover

2 Position Selector Switch Lockouts ³⁾

3 Position Selector

Switch Lockouts 3)

Lockout

2) The illuminated label can also be operated through the AS-Interface F adapter (see page 10/97).

3SB39 21-0BS

3SB39 21-0BG 3SB39 21-0BH

3SB39 21-0BJ

3SB39 21-0BK

3SB39 21-0BL

3SB39 21-0BM 3SB39 21-0BN 3SB39 21-0BP 3SB39 21-0BP

3SB39 21-0BR

3) For metal devices only.

Lock in right postion Lock out -left postion only

Lock out -right postion only

Prevents access to pushbuttons,

for metal flush pushbutton for metal extended pushbutton

Lock in left postion

Lock in right postion

Lock in left postion Lock in center postion

for metal mushroom cap (40 mm) pushbutton

knob type selector switches and will work with both metal and plastic devices

1 unit

1 unit 1 unit

1 unit

1 unit

1 unit

1 unit 1 unit

1 unit

1 unit

3SB3, Accessories and spare parts, 22 mm

Miscellaneous accessories

	Version	Use	DT	Order No.	PU (UNIT, SET, M)	PS
Holders and pressure	e plates					
	Holders For snapping on 3 blocks ¹⁾	Push buttons, push-pull buttons, mushroom push buttons with front plate mounting	>	3SB39 01-0AB	100	20 units
3SB39 01-0AB	Haldava with pressure plate	Calantar avritahan Ivay anar		20020 04 040	100	10
3SB39 01-0AC	Holders with pressure plate For actuating the central contact block of 3 contact blocks ²)	Selector switches, key-oper- ated switches and twin push buttons with front plate mounting		3SB39 01-0AC	100	10 units
35B39 01-0AC	Pressure plates	Selector switches and key-oper-	B	3SB39 01-0AW	100	10 units
3SB39 01-0AW	For actuating the central contact block of 3 contact blocks ²⁾	ated switches for use on PCBs or with base mounting	В	3353 01-0AW	100	TO UTILES
	ding and signaling elements ³⁾					
	Holders For plastic version, round	As-supplied state for front panel thickness 1 4 mm	>	3SB39 31-0AA	1	10 units
3SB39 31-0AA						
3SB39 51-0AA	Holders For plastic version, square		В	3SB39 51-0AA	1	1 unit
3SB39 31-0AC	Holders For metal version, round		•	3SB39 31-0AC	1	10 units
3SB39 21-0BD	Grounding screws For grounding metal actuators for fitting in front plates made of non-conducting materials		В	3SB39 21-0BD	100	50 units
	Bolt for enclosure			3SB39 31-0AB		
	Ring nut wretch					
Guards						
SOURCE OF SOURCE	Pushbutton Guard	For standard pushbuttons, flush and extended. Also fits 30mm mushroom head devices		3SB39 21-0BE	1	1 unit
3SB3921-0BE	Guard	For 40mm muchroom bood		3SB39 21-0BF	1	1 unit
	dualu	For 40mm mushroom head devices standard momentary or 2 position push-pull		33333 ZI-UDF	ı	i uriit
3SB3921-0BF						

¹⁾ The holder for illuminated commanding devices is included in the scope of supply.

²⁾ The pressure plates can be removed one by one to meet individual requirements.

³⁾ The matching holder for actuators and indicators is included in the scope of supply (exception: Order with order code "B01").

Push Button Units and Indicator Lights 3SB3, Accessories and spare parts, 22 mm

Miscellaneous accessories

	Version	Use	Color	DT	Order No.	PU (UNIT, SET, M)	PS
Tools 3SB39 41-0AF	Blanking tools 26 mm × 26 mm, for square version			В	3SB39 41-0AF	1	1 unit
3SB19 02-2BG	Hole drilling templates for 30 mm × 30 mm grid, horizontal, for round and square versions			С	3SB19 02-2BG	1	1 unit
3SB39 21-0BC	Mounting tools For buttons and lenses, metal version			В	3SB39 21-0BC	1	1 unit
3SX1 707	Mounting tools For potentiometer drives and for push buttons with extended stroke			С	3SX1 707	1	1 unit
	Dismantling tools For contact blocks and lamp holders	Blocks with screw terminals		В	3SB39 01-0CB	1	1 unit
3SB39 01-0CB Various accessories	Dismantling tools For contact blocks and lamp holders	With spring-type terminals		С	3SB39 01-0CG	1	1 unit
3SB39 21-0AU	Single frames For square design of the round version		Black	С	3SB39 21-0AU	1	1 unit
3SB39 21-0AE	Adapter parts Adapters for 30.5 mm mounting hole, comprising a metal disk with an adhesive layer on one side, degree of protection IP65	As thrust ring for a thin molded- plastic front plate		В	3SB39 21-0AE	1	1 unit
3SB39 01-0AA	Printed circuit board holders For mounting the command devices on the printed circuit board (screw is included in the scope of supply)	Contact blocks and lamp hold- ers for solder connection		В	3SB39 01-0AA	100	10 units
3SX1 335	Extension plungers For compensation of the distance between a push button and the unlatch- ing button of an overload relay	Push buttons with extended - stroke		A	3SX1 335	1	1 unit

General data

Overview



Enclosures with standard and customized equipment

Enclosed push buttons and indicator lights are used as hand operated control devices for separately allocated control units and cabinets

Enclosures with handle are available for suspension (e.g. for crane control units).

The enclosed push buttons and indicator lights are available with conventional controls as well as for connection to the AS-Interface bus system.

The following versions are available:

- Enclosures with standard fittings with 1 to 3 command points
- Enclosures with customized equipment with 1 to 6 command points
- Empty enclosures (individual parts must be ordered separately)

Customer-specific enclosures

On request enclosures with more than 6 command points can also be supplied with AS-Interface connection.

Use the configurator for selection.

For AS-Interface enclosures see page 10/96).

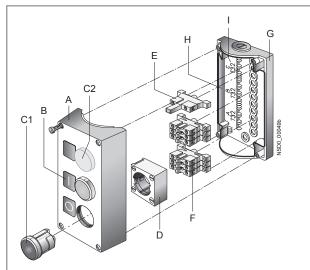
Application

The devices are climate-proof (KTW 24) according to EN ISO 6270-2 and suitable for stationary use (weather-protected) and for use in marine applications.

Technical specifications

Туре	3SB38 00, 3SB38 01	3SB38 02, 3SB38 03
Enclosures		
Enclosure material	Plastic	Metal
Actuators and indicators	Plastic, round	Metal, round
Degree of protection acc. to IEC 60529	IP65	IP67 and NEMA Type 4
Climatic withstand capability according to EN ISO 6270-2	KTW 24	
Shock resistance according to IEC 60068-2-27 for half-sine shock type, 11 ms shock duration		
Devices without incandescent lamp	≤50 g	
Devices with incandescent lamp	≤30 g	
Vibration resistance acc. to IEC 60068-2-6		
Acceleration at frequency 20 200 Hz	5 <i>g</i>	

Enclosures with standard fittings



- A Top part of enclosure
- B Inscription labels
- C1 Pushbutton
- C2 Indicator light
- D Holder
- E Contact designations
- F Contact blocks, lampholders for floor mounting
- Bottom part of enclosure
- H Identification letters for the command points
- Identification number

Standards

IEC 60947-5-1, EN 60947-5-1

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3SB3, Enclosures, 22 mm

Enclosures with standard fittings

Overview

Enclosures with standard fittings are available with:

- 1 to 3 command points
- Operational voltage up to 400 V
- · Vertical mounting type
- Plastic enclosures are equipped with plastic actuators and indicators, metal enclosures are equipped with metal actuators and indicators
- Contact blocks and lamp holders for base mounting (are snapped into the enclosure base); screw terminals (box terminals) as standard; some versions also with spring-type terminals (Order No. ends with -OCCO)

Color of enclosure cover:

- Gray, RAL 7035
- Yellow, RAL 1004

Color of enclosure base:

• Black, RAL 9005

Selection and ordering data

Equipment	command	DT	Screw terminals	+	PU (UNIT,	PS
		Configurator	£	SET, M)		
			Order No.			

Plastic enclosures with standard fittings

3SB38 01-0DA3



3SB38 01-0.F3



3SB38 02-0DA3



3SB38 03-0DA3

Cable entry top and bottom each 1 x M20

A = Pushbutton green, label 1 1 NO 1 B 3SB38 01-0DA3	
A = Pushbutton red, label "O" 1 NC 1 B 3SB38 01-0DB3 1	1 unit
A = Pushbutton white, label "I" 1 NO 1 B 3SB38 01-0DD3 1	1 unit
A = Pushbutton black, label "O" 1 NC 1 B 3SB38 01-0DE3	1 unit

A = EMERGENCY-STOP mushroom pushbutton, Ø 40 mm, with positive latching according to ISO 13850 and rotate-to-unlatch mechanism

13850 and rotate-to-unlatch mecha- nism	-					
 With yellow top part, 	1 NC 👄	1	В	3SB38 01-0DG3	1	1 unit
without protective collar	2 NC 👄	1	В	3SB38 01-0EG3	1	1 unit
 With yellow top part, with protective collar¹⁾ 	1 NC 👄	1	В	3SB38 01-0DF3	1	1 unit
with protective collar ¹⁾	2 NC \varTheta	1	В	3SB38 01-0EF3	1	1 unit
B = Pushbutton green, label "I" A = Pushbutton red, label "O"	1 NO, 1 NC	2	В	3SB38 02-0DA3	1	1 unit
B = Pushbutton white, label "I" A = Pushbutton black, label "O"	1 NO, 1 NC	2	В	3SB38 02-0DB3	1	1 unit

C = Indicator light clear, label without inscription, B = Pushbutton green, label "I", A = Pushbutton red, label "O"	BA 9s ²⁾ , 1 NO, 1 NC	3	В	3SB38 03-0DA3	1	1 unit
C = Pushbutton black, label "II" B = Pushbutton black, label "I", A = Pushbutton red, label "O"	1 NO, 1 NO, 1 NC	3	С	3SB38 03-0DB3	1	1 unit
C = Indicator light clear, label without inscription, B = Pushbutton white, label "I", A = Pushbutton black, label "O"	BA 9s ²⁾ , 1 NO, 1 NC	3	С	3SB38 03-0DC3	1	1 unit

 $[\]ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators.

 $[\]ensuremath{ \bigodot}$ Positive opening according to IEC 60947-5-1, Appendix K.

¹⁾ The protective collar must only be used to protect against inadvertent actuating and must be fitted to allow unimpeded access to the EMERGENCY-STOP mushroom pushbutton.

²⁾ Only lamp holder; order lamp separately.

Enclosures with standard fittings

Equipment	Contact block function	Number of command points	Screw terminals Spring-type terminals ³⁾ Configurator	⊕ 8H \$\$	PU (UNIT, SET, M)	PS
			Order No.			

Metal enclosures with standard fittings



3SB38 01-2DB3



3SB38 01-2.F3



3SB38 01-2EB30-0CC0



3SB38 02-2DA3



3SB38 03-2DA3



3SB38 03-2DB3

- $\ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators .
- → Positive opening according to IEC 60947-5-1, Appendix K.
- 1) The protective collar must only be used to protect against inadvertent actuating and must be fitted to allow unimpeded access to the EMERGENCY-STOP mushroom pushbutton.
- 2) **-0CC0**: Contact blocks with spring-type terminals.
- 3) Only lamp holder; order lamp separately.

				Order No.		
standard fittings						
Cable entry top and bottom ea	ch 1 x M20					
A = Pushbutton green, label "I"	1 NO	1	В	3SB38 01-2DA3	1	1 unit
A = Pushbutton red, label "O"	1 NC	1	В	3SB38 01-2DB3	1	1 unit
A = Pushbutton white, label "I"	1 NO	1	В	3SB38 01-2DD3	1	1 unit
A = Pushbutton black, label "O"	1 NC	1	В	3SB38 01-2DE3	1	1 unit
A = EMERGENCY-STOP mushroom pushbutton, Ø 40 mm, with positive latching according to ISC 13850 and rotate-to-unlatch mecha- nism)					
With yellow top part,	1 NC →	1	В	3SB38 01-2DG3	1	1 unit
without protective collar	2 NC →	1	В	3SB38 01-2EG3	1	1 unit
- With M12 socket	2 NC → 2)	1	С	3SB38 01-2EG10-0CC0	1	1 unit
With yellow top part,	1 NC 👄	1	В	3SB38 01-2DF3	1	1 unit
with protective collar ¹⁾	2 NC →	1	В	3SB38 01-2EF3	1	1 unit
pushbutton, Ø 60 mm, with positive latching according to ISC 13850 and rotate-to-unlatch mecha- nism • With yellow top part, with protective collar for 5 padlocks	2 NC ⊕ 2 NC ⊕ ²⁾	1	В В	3SB38 01-2EA30 3SB38 01-2EA30-0CC0	1 1	1 unit 1 unit
A = mushroom pushbutton, Ø 60 mm, black, with positive latching and rotate-to- unlatch mechanism						
 With gray top part, with protective collar for 5 padlocks 	2 NC ²⁾	1	В	3SB38 01-2EB30-0CC0	1	1 unit
B = Pushbutton green, label "I" A = Pushbutton red, label "O"	1 NO, 1 NC	2	В	3SB38 02-2DA3	1	1 unit
B = Pushbutton white, label "I" A = Pushbutton black, label "O"	1 NO, 1 NC	2	В	3SB38 02-2DB3	1	1 unit
C = Indicator light clear, label without inscription, B = Pushbutton green, label "I", A = Pushbutton red, label "O"	BA 9s ³⁾ , 1 NO, 1 NC	3	В	3SB38 03-2DA3	1	1 unit
C = Pushbutton black, label "II" B = Pushbutton black, label "I", A = Pushbutton red, label "O"	1 NO, 1 NO, 1 NC	3	В	3SB38 03-2DB3	1	1 unit
C = Indicator light clear, label without inscription, B = Pushbutton white, label "I", A = Pushbutton black, label "O"	BA 9s ³⁾ , 1 NO, 1 NC	3	В	3SB38 03-2DC3	1	1 unit

3SB3, Enclosures, 22 mm

Empty enclosures

	Version	Number of	DT	Configurator ,	PU	PS
	veraion	command points		Configuration	(UNIT, SET, M)	10
				Order No.		
pty enclosures	, plastic					
e	Cable entry top and bottom each 1 x M20 for 1 to 3 command points, each 1 x M25 for 4 and 6 command points					
	For contact blocks, lamp holders and accessories with snap-on base mounting, also single-pole front plate blocks can be used (switch- ing state is maintained upon opening), with gray top part	1 2 3 4 6	B B B B	3SB38 01-0AA3 3SB38 02-0AA3 3SB38 03-0AA3 3SB38 04-0AA3 3SB38 06-0AA3	1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit
B38 02-0AA3	E EMEDOENOVOTOD (
•	For EMERGENCY-STOP, for contact blocks, lamp holders and accessories with snap-on base mounting, also sin- gle-pole front plate blocks can be used (switching state is maintained upon opening)					
	 With yellow top part, without protective collar 	1	В	3SB38 01-0AB3	1	1 unit
SB38 01-0AB3	With yellow top part, with protective collar ¹⁾	1	В	3SB38 01-0AD3	1	1 unit
mpty enclosures						-
	Cable entry top and bottom					
•	each 1 x M20 for 1 to 3 command points, each 1 x M25 for 4 and 6 command points					
	For contact blocks, lamp holders and accessories with	1	В	3SB38 01-2AA3	1	1 unit
	snap-on base mounting, also single-pole front plate blocks can be used (switch-	2	B B	3SB38 02-2AA3 3SB38 03-2AA3	1 1	1 unit 1 unit
	ing state is maintained upon opening), with gray top part	4 6	B B	3SB38 04-2AA3 3SB38 06-2AA3	1 1	1 unit 1 unit
	mangay top part	O		SOBOO OF EARO		i dilit
B38 04-2AA3	For EMERGENCY-STOP, for contact blocks, lamp holders					
G	and accessories with snap-on base mounting, also sin- gle-pole front plate blocks can be used (switching state is maintained upon opening)					
District of the last of the la	With yellow top part, without protective collar	1	В	3SB38 01-2AB3	1	1 unit
B38 01-2AB3	With yellow top part,	1	В	3SB38 01-2AD3	1	1 unit
6 6	with protective collar ¹)					
SB38 01-2AD3						
1000 U I-ZAD3	With gray top part,	1	В	3SB38 01-2AE3	1	1 unit
	with protective collar With yellow top part.	1	В	3SB38 01-2EC3	1	1 unit
	with yellow top part, with protective collar for 3 padlocks, for mushroom Ø 40 mm, can be locked (BKS, CES, O.M.R.)	1	ט	03530 01-2E03	ı	i uiiit
6 6						
20000 01 0500						

 $[\]ensuremath{\mathfrak{D}}$ For online configurator see www.siemens.com/sirius/configurators.

3SB38 01-2EC3

¹⁾ The protective collar must only be used to protect against inadvertent actuating and must be fitted to allow unimpeded access to the EMERGENCY-STOP mushroom pushbutton.

3SB3, Enclosures, 22 mm

Customized enclosures

Overview

Customized enclosures are available with:

- 1 to 6 command points
- Operational voltage up to 400 V

One command point comprises:

- 1 actuator or indicator
- Up to 3 contact blocks or up to 2 contact blocks + 1 lamp holder
- 1 inscription label

For plastic enclosures the command points are equipped as standard with plastic actuators and indicators, for metal enclosures they are equipped with metal actuators and indicators.

For cable entry in each case, a hole is provided at the top and bottom:

- For M20 for 1 to 3 command points
- For M25 for 4 and 6 command points

Ordering notes (selection by configurator)

To order customized enclosures with the 3SB3 control devices (except suspended push buttons), use the 3SB3/3SF5 configurator to select the blocks for equipping. An electronic order form will be generated for the additional options. The configurator is available in the electronic catalog CA 01 on DVD or in the online catalog (Mall) on the Internet:

www.siemens.com/industrymall

Supplement the Order No. with the order code **"K0Y"** (as already listed in the selection table).

The list price of the complete enclosure is generated in the configurator for the customized equipment.

Please send the resulting electronic order form along with your order by e-mail to our Competence Center at

sirius-attach.aud@siemens.com

If you are unable to access either catalog, please contact our Technical Assistance.

Selection and ordering data

	Version	Number of command points	DT	Configurator	PU (UNIT, SET, M)	PS
				Order No.		
Plastic enclosures						
	With contact blocks and lamp holders for base mounting With single-pole contact blocks and lamp holders for front plate mounting	1 2 3 4 6 1 2 3 4 6	C C C B B C C C B B	3SB38 01-0AZKOY 3SB38 02-0AZKOY 3SB38 02-0AZKOY 3SB38 04-0AZKOY 3SB38 04-0AZKOY 3SB38 06-0AZKOY 3SB38 01-1AZKOY 3SB38 02-1AZKOY 3SB38 03-1AZKOY 3SB38 04-1AZKOY 3SB38 04-1AZKOY	1 1 1 1 1 1 1 1 1 1 1 1	1 unit
3SB38 03AZ		0	0	33530 00-1A2101	'	
Metal enclosures	With contact blocks and lamp holders for base mounting	1 2 3 4 6	00000	3SB38 01-2AZK0Y 3SB38 02-2AZK0Y 3SB38 03-2AZK0Y 3SB38 04-2AZK0Y 3SB38 06-2AZK0Y	1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit
3SB38 03-AZ	With single-pole contact blocks and lamp holders for front plate mounting	1 2 3 4 6	CCCCC	3SB38 01-3AZK0Y 3SB38 02-3AZK0Y 3SB38 03-3AZK0Y 3SB38 04-3AZK0Y 3SB38 06-3AZK0Y	1 1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit

© For online configurator see www.siemens.com/sirius/configurators.

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3SB3, Enclosures, 22 mm

Contact blocks and lamp holders

Selection and ordering data

For self-equipping of the enclosures

ontact blocks f	Contact blocks with one contact NO 1 NO with gold-plated contacts 1 NC 9 1 NC 9 1 NC with	3 4	3-4 NSD0_00015 0 1 2 3 4 mm———2.3	► B	3SB34 20-0B	1	1 unit
STACE DIOCKS	Contact blocks with one contact 1 NO 1 NO with gold-plated contacts 1 NC 1 NC 1 NC 1 NC with		3-4 0 1 2 3 4 mm—	-			1 unit
	1 NO 1 NO with gold-plated contacts 1 NC 1 NC 1 NC →		3-4 0 1 2 3 4 mm—	-			1 unit
	1 NO with gold-plated contacts 1 NC 1 NC 1 NC with	⊢-\\.4	3-4 0 1 2 3 4 mm—	-			I UI III
		LA	۷.۵		3SB34 20-0BA	1	1 unit
NO		1.1	NSD0_00017	>	3SB34 20-0C	1	1 unit
B34 20-0B	gold-plated contacts	⊢-/ .2	1-2 0 1 2 3 4 mm 1,6	С	3SB34 20-0CA	1	1 unit
	BA 9s lamp holders		,				
(a)	Without lamp	Acc. to lamp $ \underbrace{X1}_{(L+)} \underbrace{X2}_{NSD0_00003} $		•	3SB34 20-1A	1	1 unit
B34 20-1A	With integrated voltage reducer and with 130 V lamp (3SX1 731) ¹⁾	230/240 V AC X1	Clear	В	3SB34 20-1C	1	1 unit
	Lamp holders with integrated	24 V AC/DC	Yellow	В	3SB34 20-1PA	1	1 unit
0	LED	X1 ————————————————————————————————————	Red Green	>	3SB34 20-1PB 3SB34 20-1PC	1 1	1 unit 1 unit
		X2 NSD0_01292b	Blue White	В	3SB34 20-1PD 3SB34 20-1PE	1 1	1 unit
13 1		110 V AC	Yellow	В	3SB34 20-1QA	1	1 unit
D04.00.4D5		X1 ~ /	Red Green	B B	3SB34 20-1QB 3SB34 20-1QC	1 1	1 unit 1 unit
B34 20-1PE		X2 NSD0_0129	Blue White	D B	3SB34 20-1QD 3SB34 20-1QE	1 1	1 unit 1 unit
		230 V AC	Yellow	В	3SB34 20-1RA	1	1 unit
		X1 /	Red Green	B B	3SB34 20-1RB 3SB34 20-1RC	1	1 unit 1 unit
			Blue White	B B	3SB34 20-1RD 3SB34 20-1RE	1	1 unit
		X2 NSD0 0129		D	00004 20-INE	'	1 unit
SI	Fixpoint terminals	11050_0120	Black	В	3SB39 01-0AG	1	1 uni
B39 01-0AH			Blue Green/Yellow	B B	3SB39 01-0AH 3SB39 01-0AJ	1 1	1 unit

[→]Positive opening according to IEC 60947-5-1, Appendix K.

¹⁾ Only use with this lamp.

Push Button Units and Indicator Lights 3SB3, Enclosures, 22 mm

Contact blocks and lamp holders

	Version	Rated voltage/ Diagram	Operating travel/color Contact closed	DT	Spring-type terminals □	PU (UNIT, SET, M)	PS
			Contact open		Order No.		
Contact blocks for	or base mounting						
6	Contact blocks with one conta	act					
	1 NO	.].3	NSD0_00015	В	3SB34 23-0B	1	1 unit
	1 NO with gold-plated contacts	⊢-\\	3-4 0 1 2 3 4 mm 2,3	D	3SB34 23-0BA	1	1 unit
	1 NC	J.1	NSD0_00017	В	3SB34 23-0C	1	1 unit
3SB34 23-0B	1 NC with gold-plated contacts	⊢ 7 I.2	1-2 0 1 2 3 4 mm 1,6	В	3SB34 23-0CA	1	1 unit
	Lamp holders with integrated		Yellow	В	3SB34 23-1PA	1	1 unit
	LED	X1 ⁄⁄⁄	Red Green	B B	3SB34 23-1PB 3SB34 23-1PC	1 1	1 unit 1 unit
		X2 ************************************	Blue	В	3SB34 23-1PD	1	1 unit
		NSD0_01292b	White	В	3SB34 23-1PE	1	1 unit
		110 V AC	Yellow	В	3SB34 23-1QA	1	1 unit
		X1	Red Green	D D	3SB34 23-1QB 3SB34 23-1QC	1 1	1 unit 1 unit
			Blue	D	3SB34 23-1QD	1	1 unit
		X2 NSD0_0129	White	D	3SB34 23-1QE	1	1 unit
		230 V AC	Yellow Red	D B	3SB34 23-1RA 3SB34 23-1RB	1	1 unit 1 unit
		X1	Green	В	3SB34 23-1RC	i	1 unit
			Blue White	B B	3SB34 23-1RD 3SB34 23-1RE	1	1 unit 1 unit
		X2 NSD0_0129		Ь	03D04 25-IIIL	'	1 dilit
SI	Fixpoint terminals		Black	В	3SB34 23-2F	1	1 unit
10			Blue Green/Yellow	B B	3SB34 23-2G 3SB34 23-2H	1 1	1 unit 1 unit
3SB34 23-2G			areary ranew	D	0020120 211		Turne
_	ccording to IEC 60947-5-1, Appen	dix K					
C. Solite operating at	200.ag to 120 000 17 0 1,71ppc11	<u> </u>					
	Version			DT	Order No.	PU (UNIT,	PS
						SET, M)	
Acceptation							
Accessories	Pressure plates for selector se	witches and key-o	nerated switches	В	3SB39 01-0AW	100	10 units
	For actuating the central contact			U	ODDOO OT OAT	100	10 011113

Siemens Industry, Inc. Industrial Controls Catalog

3SB39 01-0AW

3SB3, Enclosures, 22 mm

Inscription labels for enclosures

Overview

Inscription labels

The inscription labels (black with white inscription or silver-colored with black print) have an adhesive layer on the back. The size of the labels is 22 mm x 22 mm.

Inscriptions

The inscriptions have upper case initial letters. The typeface is Arial. Graphic symbols, including those not listed in the catalog, are according to ISO 7000 or IEC 60417 (see page 10/95).

Selection and ordering data

	Inscriptions	DT	Black	DT	Silver-colored
			Order No.		Order No.
Inscription la	abels, self-adhesive, 22 mm × 22 mm				
	For self-inscription				
4	Blank	В	3SB39 06-1AA	В	3SB19 01-3AA
	With inscription	_			
	On Off	B B	3SB39 06-1EB 3SB39 06-1EC	ВВ	3SB19 01-3EB 3SB19 01-3EC
10000	Up	В	3SB39 06-1ED	В	3SB19 01-3ED
1000	Down	В	3SB39 06-1EE	В	3SB19 01-3EE
	Open Close	B B	3SB39 06-1EP 3SB39 06-1EQ	ВВ	3SB19 01-3EP 3SB19 01-3EQ
	Forward	В	3SB39 06-1EF	В	3SB19 01-3EF
Ein	Reverse	В	3SB39 06-1EG	В	3SB19 01-3EG
	Right Left	B B	3SB39 06-1EH 3SB39 06-1EJ		_
	Fast	В	3SB39 06-1ER		_
	Slow	В	3SB39 06-1ES		-
	Running Fault	B B	3SB39 06-1EV 3SB39 06-1EW	В	3SB19 01-3EV -
	Operation	В	3SB39 06 -1AP		_
	Start	В	3SB39 06-1EL	В	3SB19 01-3EL
	Reset Test	B B	3SB39 06-1EM 3SB39 06-1EN	B B	3SB19 01-3EM 3SB19 01-3EN
	Stop	В	3SB39 06-1EK	В	3SB19 01-3EK
	EMERGENCY STOP	В	3SB39 06-1EY	В	3SB19 01-3EY
	Equipment Fan	В	3SB39 06 -1CA		_
	Pump	В	3SB39 06 -1CB		_
	Cooling Heating	B B	3SB39 06 -1CC 3SB39 06 -1CD		_
	Lighting	В	3SB39 06 -1CE		-
	Filter Motor	B B	3SB39 06 -1CF 3SB39 06 -1CG		_
	Compressor	В	3SB39 06 -1CH		-
	With graphic symbol	_			
	0	B B	3SB39 06-1MB 3SB39 06-1MC	B B	3SB19 01-3MB 3SB19 01-3MC
	<u> </u>	В	3SB39 06-1MD	В	3SB19 01-3MD
	III O I (horizontal)	B B	3SB39 06-1ME 3SB39 06-1MF	В	3SB19 01-3ME 3SB19 01-3MF
	I O II (horizontal)	В	3SB39 06-1MG	В	3SB19 01-3MG
	I O (vertical) II O I (vertical)	B B	3SB39 06-1MH 3SB39 06-1MW	ВС	3SB19 01-3MH 3SB19 01-3MW
	n o i (vertical)	В	3SB39 06-1NA	В	3SB19 01-3NA
	Inscriptions	DT	Black	DT	Silver-colored
			Order No.		Order No.
Inscription la	abels, self-adhesive, 22 mm × 22 mm				
	With customized inscription				
\leftarrow	For inscriptions or symbols see "Options"	_	3SB39 06-0XZ		3SB19 01-3XZ
\Box	• Text line(s)	В	KOY	В	KOY KOY
	Text line(s) or symbol with No.	В	K1Y, K2Y, K3Y or K5Y	В	K1Y, K2Y, K3Y or K5Y
	Any inscription or symbol	В	К9Ү	В	К9Ү

For customized inscriptions see page 10/72.

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Accessories for enclosures

election and order		0.1.7	_	0.1.11		
	Version	Color/ inscription	DT	Order No.	PU (UNIT, SET, M)	PS
Blanking plugs for s	pare command points					
Sidniking plags for 5	Blanking plugs	Black	•	3SB39 21-0AA	1	10 unit
	For plastic version, round	Black		0000 E1 0AA	·	TO UIIII
3SB39 21-0AA						
	Blanking plugs (plastic) For metal version, round	Aluminized	В	3SB19 02-0AQ	1	10 unit
3SB19 02-0AQ						
Holders and pressur						
SSB39 01-0AB	Holders for push buttons and switches For snapping on 3 blocks, 1) for front plate mounting		•	3SB39 01-0AB	100	20 unit
	Holders for selector switches and keyoperated switches with pressure plate Fo actuating a central contact block, for front plate mounting ²⁾	r	•	3SB39 01-0AC	100	10 unit
3SB39 01-0AC						
9SB39 01-0AW	Pressure plates for selector switches and key-operated switches For actuating a central contact block, for base mounting ²⁾	1	В	3SB39 01-0AW	100	10 unit
Accessories for encl	losures					
	Yellow name plates As backing plate for EMERGENCY-STOP, self-adhesive	Without inscription	D	3SB19 02-1AQ	1	1 un
		With recess for inscription label	В	3SB39 21-0BV	1	1 un
	Cable gland includes hexagonal nut					
	• M20		В	3SB39 01-0CK	1	1 un
	• M25		В	3SB39 01-0CM	1	1 un
3SB39 01-0CK	• Pg 16		В	3SB39 01-0AK	1	1 un
00000 01 001X	• Pg 22		В	3SB39 01-0AM	1	1 un
	Hexagonal nuts For cable glands		_			
	• M25		В	3SB39 01-0CL	100	10 uni
	• M20		В	3SB39 01-0CN	100	10 unit
3SB39 01-0CL	• Pg 16		B B	3SB39 01-0AL	100	10 unit
	Pg 22 Connecting pieces For connecting 2 plastic enclosures		В	3SB39 01-0AN	100	TO UITI
	• M20/M20		В	3SB39 01-0CS	1	1 un
	• M20/M25 ³⁾		В	3SB39 01-0CT	1	1 un
3SB39 01-0CS	• M25/M25 Connecting pieces		В	3SB39 01-0CU	1	1 un
95	For connecting 2 metal enclosures		D	20P20 01 00P		4
	M20/M20M20/M25		B B	3SB39 01-0CP 3SB39 01-0CQ	1	1 un 1 un
3SB39 01-0CP	Pg 16 terminal for AS interface cable suitable receptacles: crimp snap-in contacts 0.2–0.56 mm2		В	3SB39 01-0AF	1	1 un

¹⁾ The holder for illuminated commanding devices is included in the scope of supply.

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³⁾ Not suitable for plastic enclosures with 6 command points.

²⁾ The pressure plates can be removed one by one to meet individual requirements.

3SB3, Enclosures for AS-Interface, 22 mm

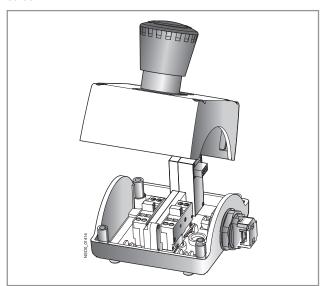
General data

Overview



AS-Interface enclosure with customized equipment

Distributed command devices of the 3SB3 series can be quickly connected to the AS-Interface using AS-Interface enclosures. Using suitable components you can make your own enclosures with integrated AS-Interface or flexibly modify existing enclosures.



EMERGENCY-STOP enclosure

Enclosures

Color of enclosure cover:

- Gray, RAL 7035, or
- Yellow, RAL 1004, for EMERGENCY-STOP.

Color of enclosure base:

• Black, RAL 9005

Installation of AS-Interface slaves

The following slave types are available for connecting the command points:

- Slave in A/B technology with 4 inputs and 3 outputs
- Slave with 4 inputs and 4 outputs
- F Slave with two secure inputs for EMERGENCY-STOP mushroom pushbutton

The following table shows the maximum number of equippable slaves:

Enclosures for	Number of slaves for enclosures without EMERGENCY-STOP	Number of slaves for enclosures with EMERGENCY-STOP
1 command point	Not available	1 x F slave
2 command points	1 x slave 4I/4O or 4I/3O	Not available
3 command points	1 x slave 4I/4O or 4I/3O	1 x slave 4I/4O or 4I/3O + 1 x F slave
4 command points	2 x slave 4I/4O or 4I/3O ¹⁾	2 × slave 4I/4O or 4I/3O + 1 × F slave ¹⁾
6 command points	2 x slave 4I/4O or 4I/3O	2 x slave 4I/4O or 4I/3O + 1 x F slave

¹⁾ For metal enclosures with 4 command points, only 1 x slave 4I/4O or 4I/3O is possible.

Connection

One set of links is required in each case to connect a slave to contact blocks, to lamp holders and to the connection element.

The connection elements are mounted in the front-end cable glands and are used for connection of the AS-Interface or for bringing unused inputs or outputs out of the enclosure.

For connection to AS-Interface it can be selected between:

- Terminal for shaped AS-Interface cable. The cable is contacted by the insulation piercing method and routed past the enclosure on the outside (possible only with plastic enclosure)
- Cable gland for the shaped AS-Interface cable or round cable. The cable is routed into the enclosure (preferable for metal enclosure).
- Connection using M12 plug.

If less than all inputs/outputs of the installed slaves in an enclosure are used for connecting the command devices, free inputs and outputs can be routed on request to the outside through an M12 socket on the top or bottom side of the enclosure.

To supply inputs with power, the S+ connection of the slave must be assigned to the socket, for outputs the OUT– connection must be assigned

Addressing is performed using the AS-Interface connections or the integrated addressing socket. An external power supply is not required.

Customized enclosures (selection by configurator)

To order customized 3SF58 AS-Interface enclosures with the 3SB3 control devices, use the 3SB3/3SF5 configurator to select the blocks for equipping. An electronic order form will be generated for the additional options.

For related ordering notes see page 10/91

3SB3, Components for Actuators and Indicators, 22 mm

AS-Interface F adapters for EMERGENCY-STOP devices

Overview



 $\operatorname{\mathsf{EMERGENCY}\text{-}STOP}$ mushroom push button with F adapter for bus connection

The AS-Interface F adapter is used to connect an EMERGENCY-STOP device according to ISO 13850 from the 3SB3 series to the AS-Interface bus system. The F adapter is suitable for control devices with mounting on front plates.

The F adapter has a safe AS-Interface 2I slave and is snapped from behind onto the EMERGENCY-STOP mushroom push button. In the 2I/1O expanded version, an output is also available for actuating an indicator light with LED.

Depending on the version, screw terminals or spring-type terminals or the insulation piercing method are used for connecting to the AS-Interface bus cable. Addressing is performed using the AS-Interface connection or the integrated addressing socket.

Safety category 4 (SIL 3) is achieved with the adapter.

Selection and ordering data

3SF5 402-1AA03

	Version	DT	Screw terminals Order No.	PS
SIEMENS Drong Tokes Drong Tokes Great Control G	AS-Interface F adapter for 3SB3 EMERGENCY-STOP mushroom push buttons For mounting on front plates • 2I • 2I/1O, with output for LED control		3SF5 402-1AA03 3SF5 402-1AB03	1 unit 1 unit

	Version	DT	Spring-type terminals	PS
			Order No.	
SIEMENS Fired base 3SF5 402-1AA04	AS-Interface F adapter for 3SB3 EMERGENCY-STOP mushroom push buttons For mounting on front plates • 2I • 2I/10, with output for LED control		3SF5 402-1AA04 3SF5 402-1AB04	1 unit 1 unit

	Version	DT	Insulation piercing method	₽ PS
			Order No.	
SEMENS SPINGLING SPI	AS-Interface F adapter for 3SB3 EMERGENCY-STOP mushroom push buttons For mounting on front plates • 2I • 2I/10, with output for LED control		3SF5 402-1AA05 3SF5 402-1AB05	1 unit 1 unit
20EE 402 1440E				

3SF5 402-1AA05

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3SB3, Enclosures for AS-Interface, 22 mm

AS-Interface enclosures with standard fittings

Overview

Enclosures with standard fittings are available with:

- 1 to 3 command points
- Operational voltage through AS-Interface (approx. 30 V)
- Vertical mounting type
- Plastic enclosures are equipped with plastic actuators and indicators, metal enclosures are equipped with metal actuators and indicators

The enclosures without EMERGENCY-STOP each have one user module with 4I/3O; the enclosures with EMERGENCY-STOP mushroom push buttons have a safe AS-Interface slave integrated in the enclosure.

Enclosures with EMERGENCY-STOP mushroom push buttons are fitted with two NC contact blocks, which are wired to the safe slave. The contact blocks and lamp holders (with spring-type terminals) of the control device, and the AS-Interface slaves, are mounted in the base of the enclosure and are cable-connected.

The plastic enclosures are designed with a connection for the AS-Interface flat cable (the cable is run passed the outside of the enclosure). For metal enclosures, the AS-Interface cable is run inside the enclosure.

The housing with EMERGENCY-STOP mushroom push buttons with an M12 connector is also available.

Selection and ordering data

	9					
	Equipping options (A, B, C = identification letters of the command points)	Number of command points	DT	Configurator	PU (UNIT, SET, M)	PS
				Order No.		
AS-Interface en	closures, plastic					
	With M12 top connector			2055 244 2442		
	A = EMERGENCY-STOP mushroom push buttons, with rotate-to-unlatch mechanism, 1 NC, 1 NC, yellow enclosure top	1	В	3SF5 811-0AA10	1	1 unit
	With terminal for insulation piercing method at	top				
	A = EMERGENCY-STOP mushroom push buttons, with rotate-to-unlatch mechanism, 1 NC, 1 NC					
3SF5 811-0AA08	Yellow enclosure top Yellow enclosure top, with protective collar	1 1	A A	3SF5 811-0AA08 3SF5 811-0AB08	1 1	1 unit 1 unit
6	B = Pushbutton green, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	2	А	3SF5 812-0DA00	1	1 unit
	B = Pushbutton white, label "I", 1 NO A = Pushbutton black, label "O", 1 NO	2	Α	3SF5 812-0DB00	1	1 unit
	C = Indicator lights clear, label without inscription	3	А	3SF5 813-0DA00	1	1 unit
8	B = Pushbutton green, label "!", 1 NO A = Pushbutton red, label "0", 1 NO					
3SF5 812-0DA00	C = Indicator lights clear, label without inscription	3	Α	3SF5 813-0DC00	1	1 unit
	B = Pushbutton white, label "I", 1 NO A = Pushbutton black, label "O", 1 NO					
	C = Pushbutton black, label "II", 1 NO B = Pushbutton black, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	3	А	3SF5 813-0DB00	1	1 unit
AS-Interface en	closures, metal					
1	With M12 top connector					
	A = EMERGENCY-STOP mushroom push buttons, with rotate-to-unlatch mechanism, 1 NC, 1 NC					
	Yellow enclosure top Yellow enclosure top, with protective collar	1 1	C C	3SF58 11-2AA10 3SF58 11-2AB10	1	1 unit 1 unit
	With cable gland at top					
3SF5 811-2AB08	A = EMERGENCY-STOP mushroom push buttons, with rotate-to-unlatch mechanism, 1 NC, 1 NC					
	Yellow enclosure topYellow enclosure top, with protective collar	1 1	A A	3SF5 811-2AA08 3SF5 811-2AB08	1 1	1 unit 1 unit
0	B = Pushbutton green, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	2	А	3SF5 812-2DA00	1	1 unit
	B = Pushbutton white, label "I", 1 NO A = Pushbutton black, label "O", 1 NO	2	А	3SF5 812-2DB00	1	1 unit
	C = Indicator lights clear, label without inscription	3	Α	3SF5 813-2DA00	1	1 unit
	B = Pushbutton green, label "I", 1 NO A = Pushbutton red, label "O", 1 NO					
3SF5 813-2DA00	C = Indicator lights clear, label without inscription B = Pushbutton white, label "I", 1 NO	3	Α	3SF5 813-2DC00	1	1 unit
	A = Pushbutton black, label "O", 1 NO					
	C = Pushbutton black, label "II", 1 NO B = Pushbutton black, label "I", 1 NO A = Pushbutton red, label "O", 1 NO	3	А	3SF5 813-2DB00	1	1 unit

 ${\color{red} \underline{\textcircled{9}}} \ \, \text{For online configurator see www.siemens.com/sirius/configurators} \; .$

Components for AS-Interface enclosures

Selection and ordering data

For self-equipping of the enclosures

	Version	Number of command points	DT	Order No.	PU (UNIT, SET, M)	PS
For plastic enclo	Deuroe					
TOT plastic effect	AS-Interface slaves					
	F slave, 2 safe inputs, for plastic enclosure, EMERGENCY-STOP, without protective collar	1 6	А	3SF5 500-0BA	1	1 unit
3SF5 500-0BA	F slave, 2 safe inputs, for plastic or metal enclosure, EMERGENCY-STOP, with protective collar	1	Α	3SF5 500-0DA	1	1 unit
PRIVATE MODEL OF THE PRIVATE OF THE	A/B slave, 4l/3O for plastic enclosure	2 6	Α	3SF5 500-0BB	1	1 unit
3SF5 500-0BB	Slave, 4I/4O, for plastic enclosure	2 6	Α	3SF5 500-0BC	1	1 unit
	Sets of links					
	For F slave		Α	3SF5 900-0BA	1	1 unit
	For slave 4I/4O or A/B slave 4I(3O)		Α	3SF5 900-0BB	1	1 unit
	Connection elements					
3SF5 900-0CA	For AS-Interface shaped cable, connection by insulation piercing method, for plastic enclosure	1 3 4 6	A B	3SF5 900-0CA 3SF5 900-0CB	1 1	1 unit 1 unit
	For AS-Interface	1 3	В	3SF5 900-0CC	1	1 unit
	connection using M12 plug, for plastic enclosure	4 6	В	3SF5 900-0CD	1	1 unit
3SF5 900-0CC	For bringing out unused inputs/outputs through an M12 socket, for plastic enclosure	1 3 4 6	B B	3SF5 900-0CE 3SF5 900-0CF	1	1 unit 1 unit
	For AS-Interface shaped cable,	1 3	A	3SF5 900-0CG	1	1 unit
	cable is routed into the enclosure, for plastic or metal enclosure	4 6	Α	3SF5 900-0CH	1	1 unit
	For round cable,	1 3	Α	3SF5 900-0CJ	1	1 unit
3SF5 900-0CG	cable is routed into the enclosure, for plastic or metal enclosure	4 6	Α	3SF5 900-0CK	1	1 unit
For metal enclos						
SIEMENS 279-227 279	AS-Interface slaves F slave, 2 safe inputs, for metal enclosure, EMERGENCY-STOP, without protective collar	1 6	А	3SF5 500-0CA	1	1 unit
3SF5 500-0CB	F slave, 2 safe inputs, for plastic or metal enclosure, EMERGENCY-STOP, with protective collar	1	А	3SF5 500-0DA	1	1 unit
	A/B slave, 4I/3O, for metal enclosure	2 6	Α	3SF5 500-0CB	1	1 unit
	Slave, 4I/4O, for metal enclosure	2 6	Α	3SF5 500-0CC	1	1 unit
	Sets of links					
	For F slave		Α	3SF5 900-0BA	1	1 unit
A	For slave 4I/4O or A/B slave 4I(3O)		Α	3SF5 900-0BB	1	1 unit
	Connection elements					
3SF5 900-0CG	For AS-Interface connection using M12 plug, for metal enclosure	1 3	В	3SF5 900-2CC	1	1 unit
	0 1 0	4 6	В	3SF5 900-2CD	1	1 unit
	For bringing out unused inputs/outputs through an M12 socket, for metal enclosure	1 3	В	3SF5 900-2CE	1	1 unit
= 3 8	,	4 6	В	3SF5 900-2CF	1	1 unit
7	For AS-Interface shaped cable, cable is routed into the enclosure,	1 3	Α	3SF5 900-0CG	1	1 unit
	for plastic or metal enclosure	4 6	Α	3SF5 900-0CH	1	1 unit
3SF5 900-0CJ	For round cable, cable is routed into the enclosure,	13	A	3SF5 900-0CJ	1	1 unit
	for plastic or metal enclosure	4 6	А	3SF5 900-0CK	'	1 unit

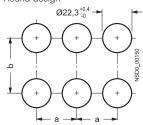
SIRIUS 3SB3

Dimension drawings (mm) Operator and indicator elements

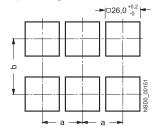
Dimension drawings

Mounting dimensions

Round design



Square design



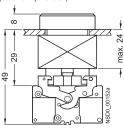
Minimum clearance	а	b	
Switch blocks (1 contact) and lampholder • for front plate mounting, with screw terminals • for front plate mounting, with spring-loaded terminals • for use on PCB, with solder pins	30 ¹) 30 ¹) 30 ¹)	45 30 ¹) 30 ¹)	
Switch blocks with 2 contacts • for front plate mounting	30 ¹)	50	
When using holders for labeling plates • 12.5 mm × 27 mm • 27.0 mm × 27 mm	30 ¹)	45 ²)	

- 1) For mushroom pushbutton, EMERGENCY-STOP and push-pull button: Note mushroom diameter d = 40 mm or 60 mm.
- 2) 60 mm with switch blocks having two contacts.

Molded-plastic version, round

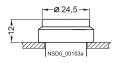
Pushbutton or illuminated pushbutton

with flat pushbutton and single-pole switch block (and lampholder)



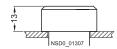
Pushbutton or illuminated pushbutton

with raised button

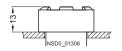


Pushbutton

with raised front ring



with raised front ring castellated



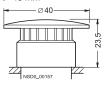
Mushroom pushbutton, illuminated mushroom pushbutton, push-pull-button or

illuminated push-pull-button,

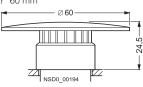


Mushroom pushbutton, illuminated mushroom pushbutton, push-pull-button or illuminated push-pull-button,

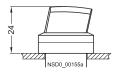
? 40 mm



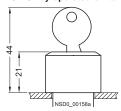
Mushroom pushbutton, illuminated mushroom pushbutton, push-pull-button or illuminated push-pull-button,



Selector switch or illuminated selector switch



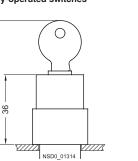
RONIS key-operated switch



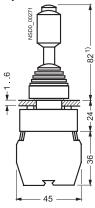
BKS, CES, IKON, O.M.R.

BKS/IKON: 61 CES/OMR: 64 36

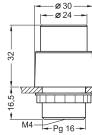
key-operated switches



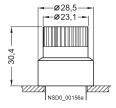
Joystick switch



Pushbutton with extended stroke



Pushbutton with raised button, latchable



Operating mechanism for potentiwith shaft Ø 6 mm,

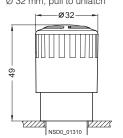
30 ... 32 mm long Ø29,5-Ø15

1) 82 with mechanical interlock, 77 without mechanical interlock

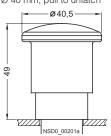
SIRIUS 3SB3

Dimension drawings (mm) Operator and indicator elements

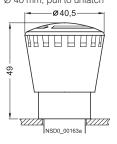
EMERGENCY-STOP mushroom pushbutton, Ø 32 mm, pull to unlatch



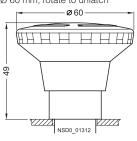
EMERGENCY-STOP mushroom pushbutton, Ø 40 mm, pull to unlatch



EMERGENCY-STOP mushroom pushbutton, Ø 40 mm, pull to unlatch

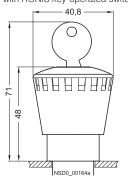


EMERGENCY-STOP mushroom pushbutton, Ø 60 mm, rotate to unlatch



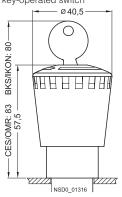
EMERGENCY-STOP mushroom pushbutton

with RONIS key-operated switch

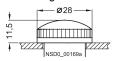


EMERGENCY-STOP mushroom pushbutton

with BKS, CES, IKON, O.M.R. key-operated switch



Indicator light



Gear Holder



Audible signal device

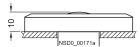


Hole plug



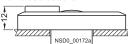
On-Off pushbutton

with flat buttons



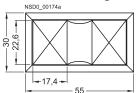
On-Off pushbutton

with raised buttons



On-Off pushbutton

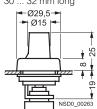
with or without indicator light



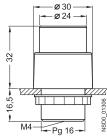
Top view

Operating mechanism for potentiometer

with shaft Ø 6 mm, 30 ... 32 mm long



Pushbutton with extended stroke





SIRIUS 3SB3

Dimension drawings (mm) Operator and indicator elements

Plastic version, square

Pushbutton or illuminated pushbutton with flat pushbutton



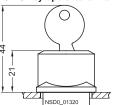
Indicator light



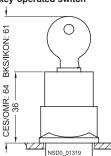
Selector switch or illuminated selector switch



RONIS key-operated switch

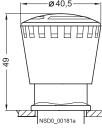


BKS, CES, IKON, O.M.R. key-operated switch



EMERGENCY-STOP mushroom pushbutton with safety lock

ø 40,5

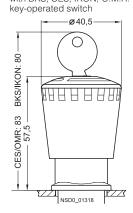


EMERGENCY-STOP mushroom pushbutton with RONIS key-operated switch

ø 40,8 7 48

NSD0_00182a

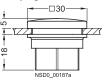
EMERGENCY-STOP mushroom pushbutton with BKS, CES, IKON, O.M.R.



Gear Holder



Hole plug



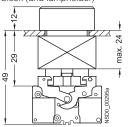
SIRIUS 3SB3

Dimension drawings (mm) Operator and indicator elements

Metal version, round Pushbutton or

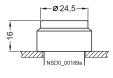
illuminated pushbutton

with flat button and single-pole switch block (and lampholder)

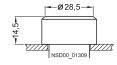


Pushbutton or illuminated pushbutton

with raised button

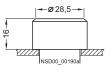


Pushbutton or illuminated pushbutton, latching,



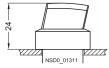
Pushbutton

with raised front ring



Selector switch or illuminated selector switch,

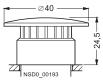
standard



Mushroom pushbutton, illuminated mushroom pushbutton, push-pull-button or illuminated push-pull-button,? 30 mm

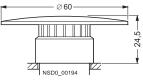
Mushroom pushbutton, illuminated mushroom pushbutton, push-pull-button or illuminated push-pull-button,

40 mm

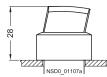


Mushroom pushbutton, illuminated mushroom pushbutton, push-pull-button or illuminated push-pull-button,

? 60 mm

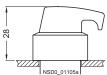


Selector switch or illuminated selector switch, heavy duty

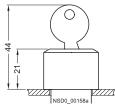


Selector switch or **illuminated selector switch** with long handle

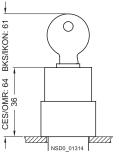
NSD0_00191



RONIS key-operated switch

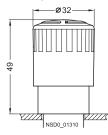


BKS, CES, IKON, O.M.R. key-operated switches



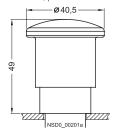
EMERGENCY-STOP mushroom pushbutton,

Ø 32 mm, rotate to unlatch



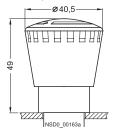
EMERGENCY-STOP mushroom pushbutton,

Ø 40 mm, pull to unlatch



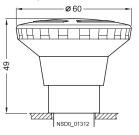
EMERGENCY-STOP mushroom pushbutton,

Ø 40 mm, rotate to unlatch



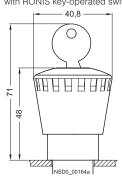
EMERGENCY-STOP mushroom pushbutton,

Ø 60 mm, rotate to unlatch

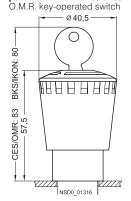


EMERGENCY-STOP mushroom pushbutton

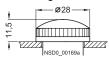
with RONIS key-operated switch



EMERGENCY-STOP mushroom pushbutton with BKS, CES, IKON,



Indicator light



Gear Holder



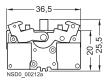
SIRIUS 3SB3

Dimension drawings (mm) Contact blocks and lamp holders

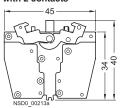
Contact blocks and lampholders

Screw connection, for front plate mounting

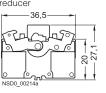
Switch block with 1 contact

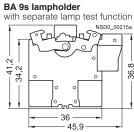


Switch block with 2 contacts

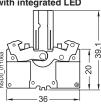


BA 9s lampholder with or without integrated voltage

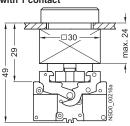




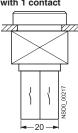
Lampholder with integrated LED



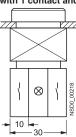
Pushbutton or illuminated pushbutton with switch blocks



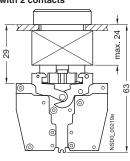
Pushbutton with switch blocks with 1 contact



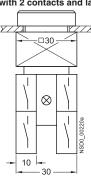
Illuminated pushbutton with switch blocks with 1 contact and lampholder



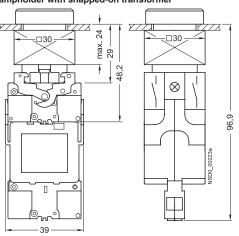
Pushbutton or illuminated pushbutton with switch blocks with 2 contacts



Illuminated pushbutton with switch blocks with 2 contacts and lampholder



Illuminated pushbutton with switch blocks with 1 contact and lampholder with snapped-on transformer

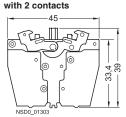


Spring-loaded terminals, for front plate mounting

Switch block with 1 contact



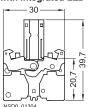
Switch block



Lampholder BA 9s



Lampholder with integrated LED



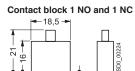
SIRIUS 3SB3

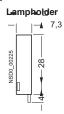
Accessories and enclosures

illuminated pushbutton

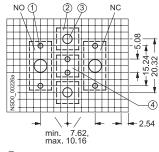
Pushbutton or

With solder pins, for use on PCB

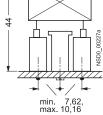




Solder pin spacing



- with contact blocks with 1 contact and PCB support
- Solder pin Ø1.3 *0.1
 PCB holder
 Centering hole Ø4.
 Lampholder
- Centering hole Ø4.2^{+0.1}

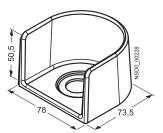


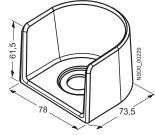
Accessories

3SB39 21-0AK shroud for front plate mounting 1) for EMERGENCY-STOP mushroom pushbutton without key-operated switch.

3SB39 21-0AX shroud

for front plate mounting 1) for EMERGENCY-STOP mushroom pushbutton with key-operated switch.





1) Can be used with a front plate thickness up to 4mm.

Holder for mounting 3 elements

Holder for pushbuttons



Holder for selector switch, key-operated switch and On-Off pushbutton,

with pressure plate

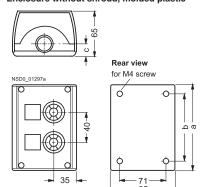


SIRIUS 3SB3

Dimension drawings (mm) Accessories and enclosures

Enclosures

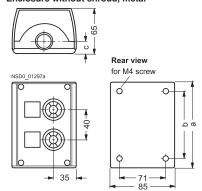
Enclosure without shroud, molded plastic



top and bottom with knockouts for one gland each

Number of com- mand points	Length a	Spacing b	Spacing c
1	85	54	17,5
2	114	83	17,5
3	154	123	17,5
4	194	163	17,5
6	280	249	20,5

Enclosure without shroud, metal



top and bottom with opening for one gland each

Number of com- mand points	Length a	Spacing b	Spacing c
1	85	54	21
2	114	83	21
3	154	123	21
4	194	163	21
	280	249	21

Enclosure with shroud,



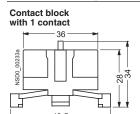
top and bottom with knockouts for one gland each

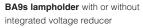
Enclosure with shroud, metal

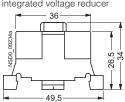


top and bottom with opening for one gland each

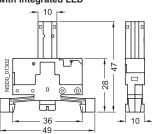
Screw connection, for base mounting



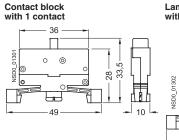


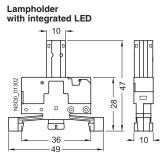


Lampholder with integrated LED

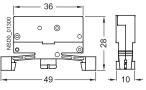


Spring-loaded terminals, for base mounting





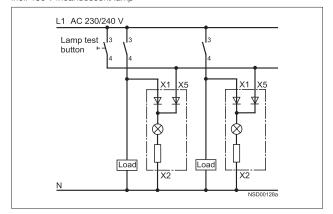
Support terminal



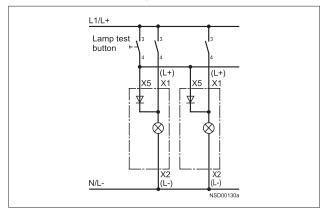
Lamp holders with separate lamp test function

Typical circuits

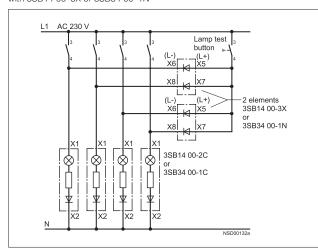
3SB14 00-2N or 3SB34 00-1F lampholder incl. 130 V incandescent lamp



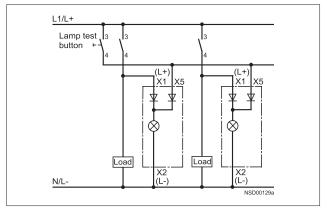
3SB14 00–2Q or 3SB34 00–1H lampholder for incandescent lamp to 2.6 W or AC neon bulbs or AC/DC LED lamps



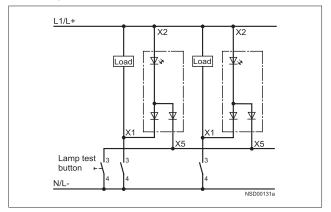
Typical lamp test circuit with with 3SB14 00-3X or 3SB34 00-1N



3SB14 00-2P or 3SB34 00-1G lampholder for incandescent lamps up to 2.6 W or AC/DC LED lamps



3SB34 00-1L lampholder for incandescent lamp up to 2.6 W or DC LED lamps



Application examples for 3SB14 00-3X and 3SB34 00-1N diode elements

- Lamp test circuit,
- Interference suppression,
- Limiting voltage peaks,
- · Limiting DC coils,
- Diode gates,
- Rectifier circuits.

The diode element contains two 1N 4007 diodes. The element can be snapped onto the gear holder as required.

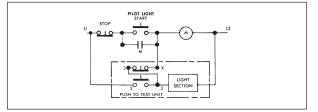
Notes on using the lampholders with separate lamp test function

When connected in parallel with inductive loads (e.g. contactors), surge suppression re-

The 3SB14 00-2Q and 3SB34 00-1H elements are not suitable for use with a parallel load.

Example of a typical push to test circuit using a standard, illuminated push-button transformer type with 1 NO + 1 NC contact. e.g. Illuminated Pilot Light components require to make-up a 120 V red raised push to test transformer type use (1) each of the following components:

- 3SB3 001-0BA21 3SB3 400-1A
- 52AABN
- 3SB3 400-0B
- 3SB3 400-3M
- 3SB3 400-0C



3SE2, 3SE3 Foot Switches

Plastic and metal enclosures

Overview



Foot switches with metal enclosures

Standard switches

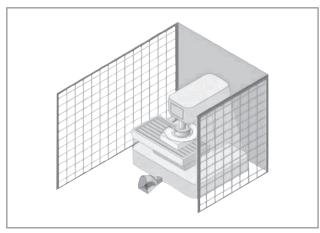
The 3SE2 9 and 3SE3 9 foot switch range encompasses versions in a metal enclosure for rugged applications as well as versions with plastic enclosure for less harsh environments. The devices can be supplied with or without a cover and have fixing holes for them to be screwed to the floor.

Depending on the particular application, the metal enclosures can be ordered in latching or momentary-contact versions. The momentary-contact pedal switch in the plastic enclosure has one microswitch (changeover contact) per actuating pedal.

Safety foot switches

The 3SE2 924-3AA20 single-pedal safety foot switches are used on machines and plants as OK switches when operation by hand is not possible and the EMERGENCY-STOP function must be available if a hazardous status arises. The switches are interlocked according to EN ISO 13850 and bear the CE mark in accordance with the machinery directive.

The safety foot switches are protected by a guard hood against accidental operation.



Application example

The switches have two contact blocks, each with one NO contact and one NC contact. The NO contacts and NC contacts of the two contact blocks are connected for easy connection of a single-phase motor. The normal workflow is initiated by pressing down the pedal as far as the pressure point so that the two NO contacts close and the motor starts to run.

If in the event of danger the pedal is pressed beyond the resistance of the pressure point, the positively driven NC contacts will open and the motor is stopped. At the same time the independent latching takes effect and holds the NC contacts in open position. This prevents the machine parts from continuing to run out of control or from being restarted.

After the hazard is eliminated, the machine can only be restarted after manually releasing the switch using a push button on the top of the enclosure. The contacts are then released again and return to their initial position (the NO contacts are open and the NC contacts are closed).

Technical specifications

· · · · · · · · · · · · · · · · · · ·						
Туре		3SE29	3SE39			
Metal and plastic enclosures						
Standards		IEC 60947-5-1				
Electrical load						
• At AC-15, 400 V						
- 1 NO + 1 NC	Α	16	_			
- 2 NO + 2 NC	Α	6	_			
- 3SE2 924-3AA20 (2 NO + 2 NC)	Α	16	_			
• At 250 V AC	Α	_	5			
Short-circuit protection						
- 1 NO + 1 NC / 3SE2 924-3AA20	Α	16 (slow)	_			
- 2 NO + 2 NC	Α	6 (slow)	_			
- 1 CO contact	Α	_	5 (slow)			
Mechanical endurance		> 10 ⁶ operating cycles				
Material						
• Enclosures		Aluminum casting	Impact-resistant thermoplast, self-extinguish- ing according to UL 94 VO			
• Covers		Thermoplast	_			
Guard hoods		Aluminum cast- ing	Metal			
Degree of protection		IP65	IP65			
Ambient temperature	°C	-25 +80	-10 +75			
Connection		Cable entry, metric	Cable AWG20, UL Style 2464, length 3 m			

3SE2, 3SE3 Foot Switches

Plastic and metal enclosures

	\/	01	-4	DT	Ouden Ne	DI.	500
	Version	Slow-action co for each pedal	ntacts	וטו	Order No.	PU (UNIT, SET, M)	PS
tal enclosures, degr	ee of protection IP65						
	Momentary-contact foot switches, single pedal M20 x 1.5 cable entry						
	Without hood	1 NO + 1 NC	\odot	Α	3SE2 902-0AB20	1	1 uni
		2 NO + 2 NC	→	Α	3SE2 903-1AB20	1	1 uni
	With hood	1 NO + 1 NC	→	A	3SE2 902-0AA20	1	1 uni
E2 90AA20 E2 91AA20	Momentary-contact foot switches, single pedal	2 NO + 2 NC	→	Α	3SE2 903-1AA20	1	1 uni
	M20 x 1.5 cable entry • Without hood	1 NO + 1 NC	→	С	3SE2 912-2AB20	1	1 uni
	With hood	1 NO + 1 NC	⊕	С	3SE2 912-2AB20	1	1 uni
	Monatory-contact foot switches, two pedals M25 x 1.5 cable entry				OOL OIL LIALE		7 0111
	Without hood	1 NO + 1 NC	\odot	В	3SE2 932-0AB20	1	1 uni
		2 NO + 2 NC	\odot	В	3SE2 932-1AB20	1	1 uni
E2 932AB20							
LE 00L !! (BE0	With hood	1 NO + 1 NC	\odot	В	3SE2 932-0AA20	1	1 uni
BD		2 NO + 2 NC	→	В	3SE2 932-1AA20	1	1 uni
E2 932AA20							
	Safety foot switches, single pedal, with hood, M20 x 1.5 cable entry, with interlock according to ISO 13850, NO closes as momentary contact type, NC opens with latching	2 NO + 2 NC	→	С	3SE2 924-3AA20	1	1 unit
SE2 924-3AA20							
lastic enclosures, dec	ree of protection IP65						
	Momentary-contact pedal switches, 3 m cable	Microswitch					
	Single pedal						
	- Without hood	1 CO contact		В	3SE3 902-4CB20	1	1 uni
EE3 902-4CA20	- With hood	1 CO contact		В	3SE3 902-4CA20	1	1 uni
/	Two pedals, without hood	2 × 1 CO		В	3SE3 934-5CB20	1	1 uni

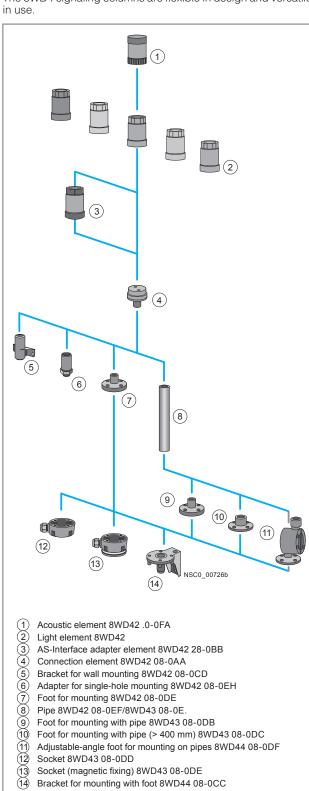
→ Positive opening according to IEC 60947-5-1, Appendix K.

8WD4 Signaling Columns

General Data

Overview

The 8WD4 signaling columns are flexible in design and versatile



- (10) Acoustic element 8WD44
 - Light element 8WD44
 - AS-Interface adapter element 8WD44 28-0BD/8WD44 28-0BE
 - Connection element for mounting on bracket, base and floor 8WD44 08-0AB/8WD44 08-0AE
 - Connection element for mounting on pipe 8WD44 08-0AA/8WD44 08-0AD
 - Bracket for wall mounting 8WD43 08-0CA 6789
 - Bracket for wall mounting (two-sided) 8WD43 08-0CB
 - Socket 8WD43 08-0DD
 - Bracket for base mounting 8WD44 08-0CD
 - Pipe 8WD42 08-0EF/8WD43 08-0E.
 - Foot with pipe 8WD43 08-0DA
- (1) (12) (13) (14) Foot for mounting with pipe 8WD43 08-0DB
- Foot for mounting with pipe (> 400 mm) 8WD43 08-0DC
- Adjustable-angle foot for mounting on pipes 8WD44 08-0DF
- <u>15</u> Socket (magnetic fixing) 8WD43 08-0DE
- Bracket for mounting with foot 8WD44 08-0CC

8WD42 signaling columns (width 50 mm) with up to 4 elements

8WD44 signaling columns (width 70 mm) with up to 5 elements

8WD4 Signaling Columns

General Data

Two product series are available:

• 8WD42

- Thermoplast enclosure, diameter 50 mm
- Degree of protection IP54
- Up to 4 elements can be mounted between the connection element and the cover

8WD44

- Thermoplast enclosure, diameter 70 mm
- Advanced design and significantly improved illumination
- Faster and more flexible connection using spring-type
- Integrated degree of protection IP65
- Up to 5 elements can be mounted between the connection element and the cover



Signaling columns, mounting examples

The illustrated examples are from the left:

- 8WD42: Cover (no No.), 4 light elements ②, connection element ④, pipe ③, foot ⑨
- 8WD44: Acoustic element with integral cover ①, 2 light elements ②, connection element ⑤, foot with pipe ⑪
- 8WD44: Cover (no No.), 4 light elements ②, AS-Interface adapter element ③, connection element ④, bracket for wall mounting ⑥
- 8WD44: Cover (no No.), 3 light elements ②, AS-Interface adapter element ③, connection element ⑤, foot with pipe ⑪

Note:

The cover is supplied with the connection element; it is not needed with the acoustic element.

Benefits

- Choice of various light and acoustic elements with different functions: continuous light, blinklight, flashlight and rotating light; buzzer and siren
- Light elements with particularly long-lasting LEDs
- · Variety of colors: red, yellow, green, white or blue
- Optimized illumination through improved prism technology with the 8WD44
- Acoustic elements can be adjusted in tone and volume
- Extremely resistant to shock and vibrations
- Easy connection and quick lamp change with secure bayonet mechanism
- Communication capability through connection to AS-Interface

Application

8WD4 signaling columns are used in machines or in automatic processes for monitoring complex procedures or as visual or acoustic warning devices in emergency situations, e.g. for displaying individual assembly stages.

Communication capability

Connection to AS-Interface

The 8WD4 signaling columns can be directly connected to the AS-Interface bus system through an adapter element that can be integrated in the column. Wiring outlay is reduced as the result. The two-wire bus cable is fixed to the terminals in the connection element. Up to four signaling elements can be mounted on it using an adapter element.

A/B technology enables the connection of up to 62 slaves on one AS-Interface system.

Connection

The signaling elements are wired up using the screw terminals in the connection element, screw terminals on the 8WD42 and screw or spring-type terminals on the 8WD44.

Cable outlet

The connecting cables can be guided either downwards or sideways through the cable gland using an adapter that can be screwed under the foot. This makes wiring easier if there is no access from below.

Connection to AS-Interface



8WD42:

The two-wire bus cable is fixed to the screw terminals in the connection element. The adapter element must be the first module to be mounted on the connection element. A maximum of 4 signaling elements can then be mounted on it.

The adapter element 8WD42 28-0BB is a standard slave.

8WD44:

The two-wire bus cable is fixed to the screw or spring-type terminals in the connection element. The adapter element must be the first module to be mounted on the connection element. The signaling elements can then be mounted on it.

The adapter element 8WD44 28-0BE is a standard slave. A maximum of 4 signaling elements can be mounted on it.

The adapter element 8WD44 28-0BD with A/B technology enables the connection of up to 62 slaves on one AS-Interface system. The addressing socket provides user-friendly parameterization of the AS-Interface elements. A maximum of 3 signaling elements can be mounted on it.

<u>_</u>

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General Data

Туре		8WD42	8WD44
General data		011542	011244
Approvals		UL, CSA	UL, CSA
Light and acoustic elements		OL, COA	OL, COA
Rated voltage, power consumption		(40 6 50/00 1)	(40 50/0011)
Light elements with incandescent lamp		(AC values for 50/60 Hz)	(AC values for 50/60 Hz)
Continuous light		12 V, 24 V, 115 V, 230 V AC/DC	12 V, 24 V, 115 V, 230 V AC/DC
• Blinklight		24 V AC/DC/125 mA; 115 V AC/20 mA; 230 V AC/15 mA	24 V AC/DC/125 mA; 115 V AC/20 mA; 230 V AC/15 mA
Flashlights		_	24 V DC/125 mA; 115 V AC/20 mA; 230 V AC/35 mA
Max. inrush current, blinklight/flashlight		_	500 mA
Light elements with integrated LED			
• Continuous light		24 V AC/DC/60 mA	24 V AC/DC/45 mA; 115 V AC/DC/25 mA; 230 V AC/25 mA
Blinklight		_	24 V AC/DC/40 mA
Rotating light		_	24 V AC/DC/70 mA
Acoustic elements			
Buzzer element (tone: pulsating or continuous, 85 dB)		24 V AC/DC/25 mA; 115 V AC/DC/25 mA; 230 V AC/25 mA	24 V AC/DC/25 mA; 115 V AC/DC/25 mA; 230 V AC/25 mA
Siren element (8 tones + amplification can be set, 100 dB)		_	24 V AC/DC/80 mA; 115 V AC/30 mA; 230 V AC/16 mA
Siren element (108 dB)		_	24 V DC/100 mA
Power consumption			
Incandescent lamps, base BA 15d Flashlight, flash energy	W Ws	max. 5	7 2
Endurance Flashlights		4 × 10 ⁶ flashes	4 × 10 ⁶ flashes
AS-Interface adapter elements			
O code/ID code		8/F	8/E
Power supply		Through bus cable	Through bus cable
Operational voltage Power consumption I _{max}	V mA	18.5 31.6 50	18.5 31.6 100
Protective measures			
Watchdog		✓	✓
Short-circuit/overload protection		External back-up fuse M 1.6 A	✓,
Reverse polarity protection Induction protection		✓ N/A	<i>y</i>
Outputs		4 Relay outputs	3 solid-state outputs
•			'
Load voltage	V V	External auxiliary voltage 0 30 DC 0 230 AC	through bus cable or external auxiliary voltages witch-selectable
• Current carrying capacity $\sum I_{max}$			
 With external auxiliary voltage 	Α	1.5	0.3
- Without external auxiliary voltage	A		0.2
Operating temperature	°C	–20 +50	–20 +50
Enclosures			
Enclosure material		Thermoplast (polyamide), impact-resistant, black	Thermoplast (polyamide), impact-resistant, black
light elements		Thermoplast (polycarbonate)	Thermoplast (polycarbonate)
Mounting			
Horizontal (floor mounting, foot with 25 mm Ø pipe)		✓	✓
Horizontal (single-hole mounting)		/	_
Vertical with bracket		7	✓
Degree of protection			
Light elements		IP54	IP65 (seal premounted with every module)
Acoustic elements, AS-i adapter elements		IP54	IP65
· · · · · · · · · · · · · · · · · · ·			
<u> </u>	°C	–20 +50	–20 + 50
Operating temperature Connection		M3 screw terminal	Spring-type terminals/M3 screw terminals
Operating temperature Connection Conductor cross-sections Tightening torque			

8WD4 Signaling Columns

8WD42 signaling columns, 50 mm diameter

Overview

Features:

- Thermoplast enclosure, diameter 50 mm
- Degree of protection IP54
 Up to 4 elements can be mounted

Selection and ordering data

	Version	Rated voltage	Color	DT	Order No.	PU (UNIT, SET, M)	PS	PG
		V						
Acoustic elem	ents ¹⁾							
	Buzzer elements 80 dB,	24 AC/DC	Black	Α	8WD42 20-0FA	1	1 unit	41J
3 2	pulsating or continuous tone, adjus able by means of a wire jumper	^{t-} 115 AC		Α	8WD42 40-0FA	1	1 unit	41J
		230 AC		А	8WD42 50-0FA	1	1 unit	41J
Light elements	for incandescent lamps/LEDs, E	BA 15d bases ²⁾						
	Continuous light elements	24 230 AC/DC	Red	Α	8WD42 00-1AB	1	1 unit	41J
			Green	Α	8WD42 00-1AC	1	1 unit	41J
			Yellow	Α	8WD42 00-1AD	1	1 unit	41J
			Clear	Α	8WD42 00-1AE	1	1 unit	41J
			Blue	Α	8WD42 00-1AF	1	1 unit	41J
Light elements	with integrated LED							
SARAGE TO SARAGE	Continuous light elements	24 AC/DC	Red	А	8WD42 20-5AB	1	1 unit	41J
	•		Green	Α	8WD42 20-5AC	1	1 unit	41J
			Yellow	Α	8WD42 20-5AD	1	1 unit	41J
			Clear	Χ	8WD42 20-5AE	1	1 unit	41J
Tell 1			Blue	Χ	8WD42 20-5AF	1	1 unit	41J
	Blinklight elements	24 AC/DC	Red	Α	8WD42 20-5BB	1	1 unit	41J
AN THE			Green	Α	8WD42 20-5BC	1	1 unit	41J
			Yellow	Α	8WD42 20-5BD	1	1 unit	41J
			Clear	Α	8WD42 20-5BE	1	1 unit	41J
The same of			Blue	Α	8WD42 20-5BF	1	1 unit	41J
		115 AC	Red	Α	8WD42 40-5BB	1	1 unit	41J
5 " DES			Green	Α	8WD42 40-5BC	1	1 unit	41J
II WILL			Yellow	Α	8WD42 40-5BD	1	1 unit	41J
			Clear	D	8WD42 40-5BE	1	1 unit	41J
0 0			Blue	D	8WD42 40-5BF	1	1 unit	41J
		230 AC	Red	Α	8WD42 50-5BB	1	1 unit	41J
MIE			Green	Α	8WD42 50-5BC	1	1 unit	41J
1000			Yellow	Α	8WD42 50-5BD	1	1 unit	41J
			Clear	Α	8WD42 50-5BE	1	1 unit	41J
			Blue	Α	8WD42 50-5BF	1	1 unit	41J
Adapter eleme	nts for AS-Interface							
	AS-Interface adapter elements with external auxiliary voltage	For 4 signaling elements 24 V DC	Black	А	8WD42 28-0BB	1	1 unit	41J
Connection ele		INTERPROCE						
SIEMENS	Connection elements with cover For mounting on pipes, floors and	angles	Black	Α	8WD42 08-0AA	1	1 unit	41J

 $[\]underline{^{1)}}$ $\underline{\text{One}}$ acoustic element can be mounted per signaling column. The cover is included in the scope of supply of the acoustic elements and fixed in place.

Note:

For mounting and configuring aid see the publication "Versatile, robust, communication-capable: SIRIUS signaling columns and integrated signal lamps", Order No. E20001-A670-P305.

 $^{^{2)}\,}$ The lamp is not included in the scope of supply. Please order separately.

 $^{^{\}rm 3)}$ The connection element with cover is an essential part for assembling the signaling columns.

8WD4 Signaling Columns

8WD42 signaling columns, 50 mm diameter

	Version	Rated voltage	Color	DT	Order No.	PU (UNIT, SET, M)	PS
		V					
Lamps							
Land	Incandescent lamps, 5 W						
1	Base BA 15d	24 AC/DC		A	8WD43 28-1XX	1	10 units
		115 AC		A	8WD43 48-1XX	1	10 units
	LEDs	230 AC		Α	8WD43 58-1XX	1	10 units
SPIN	Base BA 15d	24 AC/DC	Red	Α	8WD44 28-6XB	1	1 unit
	Base Britisa	24710/00	Green	Α	8WD44 28-6XC	1	1 unit
			Yellow Clear	A	8WD44 28-6XD 8WD44 28-6XE	1 1	1 unit 1 unit
3			Blue	A A	8WD44 28-6XF	i	1 unit
		115 AC	Red	Α	8WD44 48-6XB	1	1 unit
			Green Yellow	A A	8WD44 48-6XC 8WD44 48-6XD	1 1	1 unit 1 unit
			Clear	A	8WD44 48-6XE	i	1 unit
			Blue	Α	8WD44 48-6XF	1	1 unit
		230 AC	Red Green	A A	8WD44 58-6XB 8WD44 58-6XC	1 1	1 unit 1 unit
			Yellow	A	8WD44 58-6XD	1	1 unit
			Clear Blue	A	8WD44 58-6XE 8WD44 58-6XF	1 1	1 unit
Mounting			Dide	А	0WD44 30-0AF	1	1 unit
	Feet, single	Plastic, for mounting on pipes		А	8WD43 08-0DB	1	1 unit
		Metal, for pipe lengths > 400 mm		Α	8WD43 08-0DC	1	1 unit
		Plastic, for floor mounting (without pipe)		Α	8WD42 08-0DE	1	1 unit
	Adjustable-angle feet for positioning in 7.5° increments ¹⁾	Plastic, for mounting on pipes, incl. rubber seal		Х	8WD44 08-0DF	1	1 unit
100	Pipes, single	Length 100 mm		Α	8WD42 08-0EF	1	1 unit
		Length 150 mm		Α	8WD43 08-0EE	1	1 unit
		Length 250 mm		Α	8WD43 08-0EA	1	1 unit
		Length 400 mm		Α	8WD43 08-0EB	1	1 unit
		Length 1000 mm		Α	8WD43 08-0ED	1	1 unit
	Sockets for feet	Side cable outlet		A	8WD43 08-0DD	1	1 unit
	Suckets for feet	Side Cable Outlet		А	6WD43 06-0DD	'	i unit
		Side cable outlet, with magnetic fixing ²⁾		А	8WD43 08-0DE	1	1 unit
THE	Brackets for mounting with foot			А	8WD44 08-0CC	1	1 unit
_	Brackets for wall mounting	Mounting without feet		Α	8WD42 08-0CD	1	1 unit
	(plastic)	and pipe					
	Adapters for single-hole mounting	Mounting without feet and pipe, with M18 thread and fixing nut		A	8WD42 08-0EH	1	1 unit

For labeling panels see 8WD44, page 10/118.

¹⁾ Markings for 30°, 45°, 60° and 90°.

²⁾ For horizontal mounting, only 1 element is recommended.

8WD4 Signaling Columns

8WD44 signaling columns, 70 mm diameter

Overview

Features:

- Thermoplast enclosure, diameter 70 mm
 Advanced design and significantly improved illumination
- Fast and flexible connection using spring-type terminals
- Integrated degree of protection IP65
- Up to 5 elements can be mounted

Selection and ordering data

	Version	Rated voltage	Color	DT	Order No.	PU (UNIT,	PS
		V				SET, M)	
Acoustic elem	ents ¹⁾	•					
	Buzzer elements 85 dB,	24 AC/DC	Black	А	8WD44 20-0FA	1	1 unit
夏 夏	pulsating or continuous tone, adjust-	115 AC		Α	8WD44 40-0FA	1	1 unit
	able by means of a wire jumper	230 AC		Α	8WD44 50-0FA	1	1 unit
	Siren elements,	24 AC/DC	Black	Α	8WD44 20-0EA2	1	1 unit
	multi-tone, 100 dB,	115 AC		Α	8WD44 40-0EA2	1	1 unit
	8 tones and volume are adjustable	230 AC		Α	8WD44 50-0EA2	1	1 unit
	Siren elements 108 dB, IP40	24 DC	Black	Α	8WD44 20-0EA	1	1 unit
Light elements	for incandescent lamps/LEDs, BA 1	5d bases ²⁾					
	Continuous light elements	12 230 AC/DC	Red	А	8WD44 00-1AB	1	1 unit
			Green	Α	8WD44 00-1AC	1	1 unit
			Yellow	Α	8WD44 00-1AD	1	1 unit
			Clear	Α	8WD44 00-1AE	1	1 unit
			Blue	Α	8WD44 00-1AF	1	1 unit
	Blinklight elements	24 AC/DC	Red	Α	8WD44 20-1BB	1	1 unit
			Green	Α	8WD44 20-1BC	1	1 unit
			Yellow	Α	8WD44 20-1BD	1	1 unit
			Clear	Α	8WD44 20-1BE	1	1 unit
			Blue	Α	8WD44 20-1BF	1	1 unit
Street and		115 AC	Red	Α	8WD44 40-1BB	1	1 unit
			Green	Α	8WD44 40-1BC	1	1 unit
			Yellow	Α	8WD44 40-1BD	1	1 unit
			Clear	Α	8WD44 40-1BE	1	1 unit
			Blue	Α	8WD44 40-1BF	1	1 unit
		230 AC	Red	Α	8WD44 50-1BB	1	1 unit
			Green	Α	8WD44 50-1BC	1	1 unit
			Yellow	Α	8WD44 50-1BD	1	1 unit
			Clear	Α	8WD44 50-1BE	1	1 unit
			Blue	Α	8WD44 50-1BF	1	1 unit
Light elements	s with integrated flash lamps ³⁾						
	Flashlight elements with integrated	24 DC	Red	Α	8WD44 20-0CB	1	1 unit
	electronic flash		Green	Α	8WD44 20-0CC	1	1 unit
			Yellow	Α	8WD44 20-0CD	1	1 unit
			Clear	Α	8WD44 20-0CE	1	1 unit
			Blue	Α	8WD44 20-0CF	1	1 unit
		115 AC	Red	Α	8WD44 40-0CB	1	1 unit
			Green	D	8WD44 40-0CC	1	1 unit
			Yellow	Α	8WD44 40-0CD	1	1 unit
			Clear	D	8WD44 40-0CE	1	1 unit
			Blue	D	8WD44 40-0CF	1	1 unit
		230 AC	Red	Α	8WD44 50-0CB	1	1 unit
			Green	Α	8WD44 50-0CC	1	1 unit
			Yellow	Α	8WD44 50-0CD	1	1 unit
			Clear	Α	8WD44 50-0CE	1	1 unit
Sea Bay			Blue	Α	8WD44 50-0CF	1	1 unit

¹⁾ One acoustic element can be mounted per signaling column. The cover is included in the scope of supply of the acoustic elements and fixed in

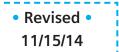
²⁾ The lamp is not included in the scope of supply. Please order separately.

³⁾ The lamp is included in the scope of supply.

8WD44 signaling columns, 70 mm diameter

	Version	Rated voltage	Color	DT	Order No.	PU (UNIT, SET, M)	PS
		V				- , ,	
Light elements	with integrated LED						
	Continuous light elements	24 AC/DC	Red	Α	8WD44 20-5AB	1	1 unit
			Green	Α	8WD44 20-5AC	1	1 unit
			Yellow	Α	8WD44 20-5AD	1	1 unit
			Clear	Α	8WD44 20-5AE	1	1 unit
			Blue	Α	8WD44 20-5AF	1	1 unit
		115 AC	Red	Α	8WD44 40-5AB	1	1 unit
			Green	Α	8WD44 40-5AC	1	1 unit
			Yellow	Α	8WD44 40-5AD	1	1 unit
			Clear	Α	8WD44 40-5AE	1	1 unit
			Blue	Α	8WD44 40-5AF	1	1 unit
		230 AC	Red	А	8WD44 50-5AB	1	1 unit
			Green	Α	8WD44 50-5AC	1	1 unit
			Yellow	Α	8WD44 50-5AD	1	1 unit
			Clear	Α	8WD44 50-5AE	1	1 unit
			Blue	Α	8WD44 50-5AF	1	1 unit
	Blinklight elements	24 AC/DC	Red	А	8WD44 20-5BB	1	1 unit
			Green	Α	8WD44 20-5BC	1	1 unit
			Yellow	Α	8WD44 20-5BD	1	1 unit
			Clear	Χ	8WD44 20-5BE	1	1 unit
			Blue	Α	8WD44 20-5BF	1	1 unit
		115 AC	Red	Α	8WD44 40-5BB	1	1 unit
and a			Green	Α	8WD44 40-5BC	1	1 unit
			Yellow	Α	8WD44 40-5BD	1	1 unit
			Clear	Α	8WD44 40-5BE	1	1 unit
-			Blue	Α	8WD44 40-5BF	1	1 unit
		230 AC	Red	Α	8WD44 50-5BB	1	1 unit
			Green	Α	8WD44 50-5BC	1	1 unit
			Yellow	Α	8WD44 50-5BD	1	1 unit
			Clear	Α	8WD44 50-5BE	1	1 unit
			Blue	Α	8WD44 50-5BF	1	1 unit
	Rotating light elements	24 AC/DC	Red	Α	8WD44 20-5DB	1	1 unit
nge Hills and			Green	Α	8WD44 20-5DC	1	1 unit
			Yellow	Α	8WD44 20-5DD	1	1 unit
Adapter eleme	nts for AS-Interface						
Adapter ciente	AS-Interface adapter elements	•					
	With/without external auxiliary voltage,						
	switchable						
PAULT		/ BINTERFACE					
	A/B technology	For 3 signaling	Black	Α	8WD44 28-0BD	1	1 unit
Tallie	- A/B technology	elements 24 V DC	Diack	А	0WD44 20-0DD	'	1 UIIII
	Standard AS-i	For 4 signaling	Black	Α	8WD44 28-0BE	1	1 unit
Connection ele	ements ¹⁾	elements 24 V DC					
	Connection elements with cover		Black				
	Screw terminals		*****				
EAR	For mounting on pipes			А	8WD44 08-0AA	1	1 unit
(MARK)	For mounting on brackets and floors			Α	8WD44 08-0AB	1	1 unit
(1	Spring-type terminals			, ,			
	For mounting on pipes			Α	8WD44 08-0AD	1	1 unit
	For mounting on brackets and floors			Α	8WD44 08-0AE	1	1 unit
	Cover (replacement)			A	8WD44 08-0XA	1	1 unit
1)	Cover (replacement)			$\overline{}$	5.15 11 00 OAR		i uiiit

¹⁾ The connection element with cover is an essential part for assembling the signaling columns.



8WD44 signaling columns, 70 mm diameter

	Version		DT	Order No.	PU (UNIT, SET, M)	PS
Mounting						
	Foot with pipe	Plastic foot with pipe length 100 mm	А	8WD43 08-0DA	1	1 unit
	Feet, single	Plastic, for mounting on pipes	A	8WD43 08-0DB	1	1 unit
4		Metal, for pipe lengths > 400 mm	Α	8WD43 08-0DC	1	1 unit
	Adjustable-angle feet for positioning in 7.5° increments ¹⁾	Plastic, for mounting on pipes, incl. rubber seal	X	8WD44 08-0DF	1	1 unit
	Pipes, single	Length 100 mm	А	8WD42 08-0EF	1	1 unit
	r ipes, single	Length 150 mm	Α	8WD43 08-0EE	1	1 unit
		Length 250 mm	Α	8WD43 08-0EA	1	1 unit
		Length 400 mm	Α	8WD43 08-0EB	1	1 unit
		Length 1000 mm	Α	8WD43 08-0ED	1	1 unit
	Sockets for feet	Side cable outlet (can also be used without feet)	А	8WD43 08-0DD	1	1 unit
		Side cable outlet, with magnetic fixing ²⁾	Α	8WD43 08-0DE	1	1 unit
	Brackets for wall mounting (mounting without feet and pipe)	For single-sided mounting	A	8WD43 08-0CA	1	1 unit
		For double-sided mounting	А	8WD43 08-0CB	1	1 unit
	Brackets for mounting with foot		Α	8WD44 08-0CC	1	1 unit
(C)	Brackets for base mounting	Mounting without feet and pipe	A	8WD44 08-0CD	1	1 unit
Lo.						
	Adapter for mounting on pipes according to NPT	 Mounting on pipes, Ø 25 mm, with NPT 1/2" thread 	А	8WD43 08-0DF	1	1 unit

 $^{^{1)}}$ Markings for 30°, 45°, 60° and 90°.

Note:

For mounting and configuring aid see the publication "Versatile, robust, communication-capable: SIRIUS signaling columns and integrated signal lamps", Order No. E20001-A670-P305.

²⁾ For horizontal mounting, only 1 element is recommended.

8WD44 signaling columns, 70 mm diameter

	Version	Rated voltage	Color	DT	Order No.	PU (UNIT, SET, M)	PS
		V					
Lamps							
Par	Incandescent lamps, 5 W						
3/	Base BA 15d	24 AC/DC		Α	8WD43 28-1XX	1	10 units
		115 AC		Α	8WD43 48-1XX	1	10 units
		230 AC		Α	8WD43 58-1XX	1	10 units
S COM E	LEDs						
	Base BA 15d	24 AC/DC	Red Green Yellow Clear Blue	A A A A	8WD44 28-6XB 8WD44 28-6XC 8WD44 28-6XD 8WD44 28-6XE 8WD44 28-6XF	1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit
		115 AC	Red Green Yellow Clear Blue	A A A A	8WD44 48-6XB 8WD44 48-6XC 8WD44 48-6XD 8WD44 48-6XE 8WD44 48-6XF	1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit
		230 AC	Red Green Yellow Clear Blue	A A A A	8WD44 58-6XB 8WD44 58-6XC 8WD44 58-6XD 8WD44 58-6XE 8WD44 58-6XF	1 1 1 1	1 unit 1 unit 1 unit 1 unit 1 unit
Inscriptions							
Störung Magazin Überhitzung Station 2 Maschine Hauft	Labeling panels With fixing accessories for mounting of Inscription area/ step 50 mm x 140 mm Suitable for standard labels, e.g. • Zweckform 3425 • Herma 4457			А	8WD44 08-0FA	1	1 unit

Push Button Units and Indicator Lights 8WD53 Beacons

8WD53 beacons, 70 mm diameter

Overview



Integrated signal lamps

Design

Features:

- Thermoplast enclosures, diameter 70 mm
- Degree of protection IP65
- Rated voltage 24 V, 115 V, 230 V AC/DC
- Ambient temperature -20 to +50 °C, incandescent lamp up to 60 °C

The special shape of the integrated signal lamps means that the light is emitted optimally in every direction (to the sides and upwards). Continuous lights (with incandescent lamp or LED) and single-flash lights are available in five colors.

The LED versions of the integrated signal lamps offer a considerably longer endurance than the incandescent lamp versions.

All integrated signal lamps have a high degree of protection IP65 and are made of a material highly resistant to impact.

Mounting

8WD53 integrated signal lamps can be mounted directly at any point of the machine for the purpose of giving visual signals. They are mounted by means of a PG29 screw base with nut.

Selection and ordering data

	Version	Rated voltage	Color	DT	Order No.	Price per PU	PU (UNIT, SET, M)	PS	PG
Luminaires fo	or incandescent lamps/LED, BA 15	V d base							
Lummanes re	Continuous light ¹⁾	12 230 AC/DC	Red	А	8WD53 00-1AB		1	1 unit	41J
A WINNEY	3		Green	Α	8WD53 00-1AC		1	1 unit	41J
KIND			Yellow	Α	8WD53 00-1AD		1	1 unit	41J
1			Clear	Α	8WD53 00-1AE		1	1 unit	41J
			Blue	Α	8WD53 00-1AF		1	1 unit	41J
Luminaires w	rith integrated flash lamp								
	Single-flash light with integrated	24 AC/DC	Red	Α	8WD53 20-0CB		1	1 unit	41J
y williams	electronic flash		Green	D	8WD53 20-0CC		1	1 unit	41J
5 1112			Yellow	Α	8WD53 20-0CD		1	1 unit	41J
The Late			Clear	Α	8WD53 20-0CE		1	1 unit	41J
			Blue	Α	8WD53 20-0CF		1	1 unit	41J
		115 AC	Red	Α	8WD53 40-0CB		1	1 unit	41J
1 Million			Green	D	8WD53 40-0CC		1	1 unit	41J
5 102			Yellow	D	8WD53 40-0CD		1	1 unit	41J
A STATE OF THE PARTY OF THE PAR			Clear	D	8WD53 40-0CE		1	1 unit	41J
			Blue	D	8WD53 40-0CF		1	1 unit	41J
		230 AC	Red	Α	8WD53 50-0CB		1	1 unit	41J
A WILLIAM WATER			Green	D	8WD53 50-0CC		1	1 unit	41J
5 1 10 2			Yellow	Α	8WD53 50-0CD		1	1 unit	41J
Name of the Party			Clear	Α	8WD53 50-0CE		1	1 unit	41J
			Blue	D	8WD53 50-0CF		1	1 unit	41J
Luminaires w	rith integrated LED								
	Continuous light	24 AC/DC	Red	Α	8WD53 20-5AB		1	1 unit	41J
TO THE REAL PROPERTY.			Green	Α	8WD53 20-5AC		1	1 unit	41J
医			Yellow	Α	8WD53 20-5AD		1	1 unit	41J
THE STATE OF THE S	Blinklight lamps	24 AC/DC	Red	Α	8WD53 20-5BB		1	1 unit	41J
11			Green	D	8WD53 20-5BC		1	1 unit	41J
			Yellow	A	8WD53 20-5BD		1	1 unit	41J
	Rotating light	24 AC/DC	Red	Α	8WD53 20-5DB		1	1 unit	41J
			Green	Α	8WD53 20-5DC		1	1 unit	41J

For incandescent lamps and LEDs see "Signaling Columns" page 10/118

A 8WD53 20-5DD

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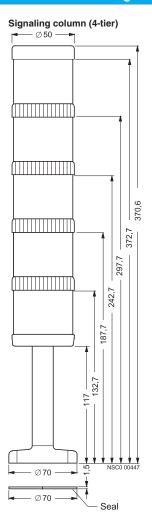
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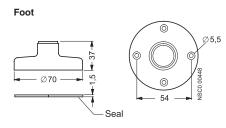
41J

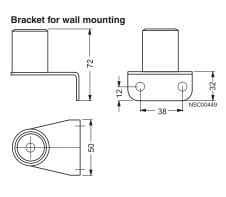
¹⁾ Lamp not included in scope of supply. Please order separately.

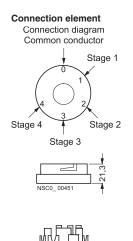
8WD4 Signaling Columns

Dimension drawings



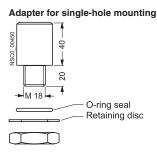






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Strain relief

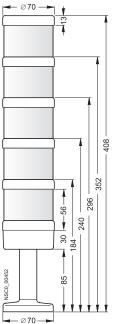


8WD4 Signaling Columns

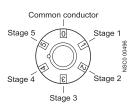
Dimension drawings

Dimension drawings

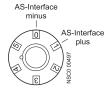
Signaling column (5-tier)



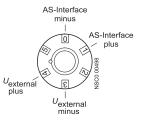
Connection diagrams



conventional

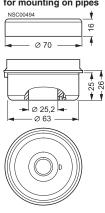


with AS-Interface, without external auxiliary voltage

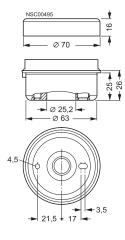


with external auxiliary voltage

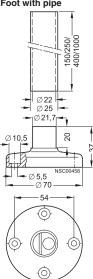
Connection element and cover for mounting on pipes



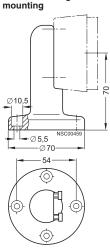
Connection element and cover for mounting on floor/bracket



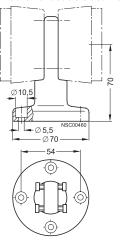
Foot with pipe



Bracket for single-sided



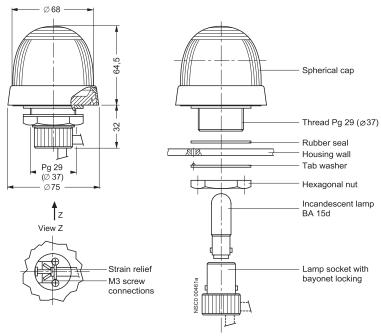
Bracket for double-sided mounting



8WD53 Beacons

Dimension drawings

Dimension drawings



Class 50 Standard Duty Pushbutton Stations

General

Features

- Snap In Legend Inserts
- · Flush and Surface Mounted Types
- Convertible Selector
- Double Break Contacts
- Dual Voltage Pilot Light with Snap In Lens
- Conversion Kits
- UL Listed File #E22655
- CSA Certified File #LR6535

Application

Standard duty control stations are used with magnetic controllers to control the starting, stopping, reversing or speed of applicable motors.

Stations are assembled of one, two or three push button, selector switch or pilot light units in a variety of combinations to provide compact control units for remote control of magnetic starters and contactors.

Station enclosures are available in Type 1 surface mounted, 1B flush plate mounted and 4 watertight.

Features

Type 1 surface mounted bases are constructed of 14 gauge sheet steel, primed and finished in baked gray enamel. The base is predrilled to receive a variety of contact blocks, pilot lights and accessory devices. Covers are of 20 gauge sheet steel, wrap- around construction, primed and finished in baked gray enamel. Siemens Type 4 watertight heavy duty push button stations are supplied with a provision to padlock the stop button in the depressed position. Enclosures are predrilled and tapped for 3/4" conduit.

Contact blocks have double break, fine silver contacts with a NEMA B600 rating. Type 4 stations have a NEMA A600 rating.

The pilot light assembly is dual voltage with clearly marked pressure type terminals for 120 volt or 240 volt connection.

The lens of the pilot light snaps into the cover and is available in both red and green.

Push buttons are equipped with an operator into which a selected legend insert is snapped. Legend inserts are molded thermoplastic and come in a wide variety of legends and colors.

The selector switch operator can be instantly set for two or three positions at any time.

Mushroom Head

50ZMH mounts on any standard push button operator. The Mushroom Head is red molded thermoplastic, 1 1/2" in diameter, and provides a large operator for emergency stop or similar applications.

Mechanical Interlock

50ZAM is a base mounted zinc plate, dichromate dipped, steel assembly. When mounted in conjunction with Duplex Contact Block 50ZAC3 (one NO and one NO) the interlock prevents one contact from being closed while the other contact is closed.

Padlock Attachment Kit

50ZAL can be mounted to any Type 1 surface mounted station by the lower screw which fastens the cover to the station base. Made of heavy steel, chrome plated, the attachment provides for the padlocking of a push button in the depressed position or a selector switch in any position. When used with a push button operator, raised Legend Insert D53493003 (Red Stop) must be used.

Electrical Ratings

NEMA AC Ratings 50/60Hz

Nema B600 5 Continuous Amps

Volts	Make	Break
120	30	3
240	15	1.5
480	7.5	0.75
600	6	0.6
VA	3600	360

Ordering Information

- Legend Inserts see page 10/130.
- Accessories see page 10/130.



2 Push Buttons Surface Mounting, NEMA 1



1 Push Button Surface Mounting



1 Selector Switch Flush Mounting



2 Push Buttons

2 Push Buttons 1 Selector Switch



1 Pilot Light 2 Push Buttons

10

Class 50 Standard Duty Pushbutton Stations

5A 600V AC NEMA B600

Selection	and	ordering	data
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Selection and ord	dering data					
	Operator identification	Degree of protection	Contacts / voltage	Number of command points	Order No.	
1 unit surface mount-momentary	A = Momentary flush pushbutton green, surface, label "START"	NEMA 1	1NO - 1NC with common jumper (50ZAC1)	1	50AA3D	
pushbutton	A = Momentary flush pushbutton red, surface, label "STOP"	NEMA 1	1NO - 1NC with common jumper (50ZAC1)	1	50AA3E	
	A = Momentary raised pushbutton red, surface, label "STOP"	NEMA 1	1NO - 1NC with common jumper (50ZAC1)	1	50AA3F	
	A = Momentary mushroom head red, surface, label "STOP"	NEMA 1	1NO - 1NC with common jumper (50ZAC1)	1	50AA3G	
STOP	A = Momentary flush pushbutton less insert, surface	NEMA 1	1NO - 1NC with common jumper (50ZAC1)	1	50AA3A	
0 =	A = 3 position selector switch, surface, label "HAND-OFF-AUTO"	NEMA 1	2 NO 2SPST (50ZAC8)	1	50AA3C3	
	A = 2 position selector switch, surface, label "Off-On"	NEMA 1	2 NO 2SPST (50ZAC8)	1	50AA3C6	
	A = 2/3 selector switch, surface, multiple legends	NEMA 1	2 NO 2SPST (50ZAC8)	1	50AA3B9	
	A = Indicator light, red, surface	NEMA 1	120/240V dual voltage 120PSB lamp	1	50BA3Y	
	A = Indicator light, green, surface	NEMA 1	120/240V dual voltage 120PSB lamp	1	50BA3Z	
	A = Indicator light, less lens, surface	NEMA 1	120/240V dual voltage 120PSB lamp	1	50BA32	
	A = Momentary flush pushbutton green, flush, label "START"	NEMA 1B	1NO - 1NC with common jumper (50ZAC1)	1	50AA2D	
1 unit flush	A = Momentary flush pushbutton red, flush, label "STOP"	NEMA 1B	1NO - 1NC with common jumper (50ZAC1)	1	50AA2E	
mount-momentary pushbutton	A = Momentary raised pushbutton red, flush, label "STOP"	NEMA 1B	1NO - 1NC with common jumper (50ZAC1)	1	50AA2F	
(6)	A = Momentary flush pushbutton less insert, flush	NEMA 1B	1NO - 1NC with common jumper (50ZAC1)	1	50AA2A	
	A = Momentary flush pushbutton less insert, flush, chrome plate	NEMA 1B	1NO - 1NC with common jumper (50ZAC1)	1	50AA6A	
	A = 3 position selector switch, flush, label "HAND-OFF-AUTO"	NEMA 1B	2 NO 2SPST (50ZAC8)	1	50AA2C3	
	A = 3 position selector switch, flush, label "Off-On"	NEMA 1B	2 NO 2SPST (50ZAC8)	1	50AA2C6	
	A = 2/3 selector switch, multiple legends, flush	NEMA 1B	2 NO 2SPST (50ZAC8)	1	50AA2B9	
	A = 2/3 selector switch, multiple legends, chrome plate, flush	NEMA 1B	2 NO 2SPST (50ZAC8)	1	50AA6B9	
	A = Indicator light, red, flush	NEMA 1B	120/240V dual voltage	1	50BA2Y	
	A = Indicator light, green, flush	NEMA 1B	120/240V dual voltage	1	50BA2Z	
	A = Indicator light, less lens, flush	NEMA 1B	120/240V dual voltage	1	50BA22	
	A = Indicator light, less lens, chrome plate, flush	NEMA 1B	120PSB lamp	1	50BA62	
2 unit surface	B = Momentary pushbutton green, surface, label "START" A = Momentary pushbutton red, surface, label "STOP"	NEMA 1	1NO, 1NC (50ZAC2)	2	50CA3DE	
mount-momentary pushbutton	B = Momentary pushbutton green, surface, label "START" A = Momentary raised pushbutton red, surface, label "STOP"	NEMA 1	1NO, 1NC (50ZAC2)	2	50CA3DF	
START	B = Momentary pushbutton green, surface, label "START" A = Momentary mushroom head pushbutton red, surface, label "STOP"	NEMA 1	1NO, 1NC (50ZAC2)	2	50CA3DG	
	D M 1 11 11 1 1 1	NIENAA 4	410 410 (5074.00)		5004044	



B = Momentary pushbutton, less insert,

A = Momentary pushbutton, less insert,

B = Momentary pushbutton, surface, label "FORWARD"

A = Momentary pushbutton, surface, label "REVERSE"

surface

NEMA 1

NEMA 1

1NO, 1NC (50ZAC2)

2 NO (50ZAC3)

50CA3AA

50DA3KL

2

2

Packs

Class 50 Standard Duty Pushbutton Stations

5A 600V AC NEMA B600

Selection and ordering data

2 unit surface mount-momentary pushbutton



or	dering data					
				Number	Order No.	Packs
	Onevetor identification	Degree of protection	Contacts / voltage	of com- mand points		
	Operator identification B = Momentary pushbutton, surface,	NITNAN 1	0 NO (F07A C0)	2	50DA3HJ	Unit 1
у	abel "OPEN" A = Momentary pushbutton, surface, label "CLOSE"	NEMA 1	2 NO (50ZAC3)	2	SUDASHJ	'
	B = Momentary pushbutton, surface, label "UP" A = Momentary pushbutton, surface, label "DOWN"	NEMA 1	2 NO (50ZAC3)	2	50DA3NP	1
	B = Momentary pushbutton, surface, less insert A = Momentary pushbutton, surface, less insert	NEMA 1	2 NO (50ZAC3)	2	50DA3AA	1
	B = Momentary pushbutton, surface, label "FORWARD" A = Momentary pushbutton, surface, label "REVERSE"	NEMA 1	2 NO mechanically inter- locked (50ZA3C w/ 50ZAM)	2	50RA3KL	1
	B = Momentary pushbutton, surface, label "OPEN" A = Momentary pushbutton, surface, label "CLOSE"	NEMA 1	2 NO mechanically inter- locked (50ZA3C w/ 50ZAM)	2	50RA3HJ	1
	B = Momentary pushbutton, surface, label "UP" A = Momentary pushbutton, surface, label "DOWN"	NEMA 1	2 NO mechanically inter- locked (50ZA3C w/ 50ZAM)	2	50RA3NP	1
	B = Momentary pushbutton, surface, label "ON" A = Momentary pushbutton, surface, label "OFF"	NEMA 1	2 NO mechanically inter- locked (50ZA3C w/ 50ZAM)	2	50RA334	1
	B = Momentary pushbutton, less insert surface A = Momentary pushbutton, less insert, surface	NEMA 1	2 NO mechanically inter- locked (50ZA3C w/ 50ZAM)	2	50RA3AA	1
	B = Momentary pushbutton, surface, label "FORWARD" A = Momentary pushbutton, surface, label "REVERSE"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2)	2	50EA3KL	1
	B = Momentary pushbutton, surface, label "OPEN" A = Momentary pushbutton, surface, label "CLOSE"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2)	2	50EA3HJ	1
	B = Momentary pushbutton, surface, label "UP" A = Momentary pushbutton, surface, label "DOWN"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2)	2	50EA3NP	1
	B = Momentary pushbutton, surface, label "ON" A = Momentary pushbutton, surface, label "OFF"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2)	2	50EA334	1
	B = Momentary pushbutton, surface, less insert A = Momentary pushbutton, surface, less insert	NEMA 1	2 NO, 2 NC (2 - 50ZAC2)	2	50EA3AA	1
у	B = Momentary pushbutton green, flush, label "START" A = Momentary pushbutton red, flush, label "STOP"	NEMA 1B	1NO, 1NC (50ZAC2)	2	50CA2DE	1
	B =Momentary pushbutton, less insert, flush A = Momentary pushbutton, less insert, flush	NEMA 1B	1NO, 1NC (50ZAC2)	2	50CA2AA	1
	B = Momentary pushbutton green, flush, label "START" A = Momentary raised pushbutton red, flush, label "STOP"	NEMA 1B	1NO, 1NC (50ZAC2)	2	50CA2DF	1
	B = Momentary pushbutton green, flush,	NEMA 1B	1NO, 1NC (50ZAC2)	2	50CA2DG	1

2 unit flush mount-momentary pushbutton



B = Momentary pushbutton green, flush, label "START" 1NO, 1NC (50ZAC2) A = Momentary mushroom head pushbutton red, flush, label "STOP" B = Momentary pushbutton, less insert, flush NEMA 1B 1NO, 1NC (50ZAC2) 50CA6AA A = Momentary pushbutton, less insert, flush

5A 600V AC NEMA A600

Selection and ordering data

2 unit flush mount-momentary pushbutton

rder	ing data					
		Degree of protection	Contacts / voltage	Number of com-	Order No.	Packs
Е	perator identification = Momentary pushbutton, flush, label "FORWARD" = Momentary pushbutton, flush, label "REVERSE"	NEMA 1B	2 NO (50ZAC3)	points 2	50DA2KL	Unit 1
	= Momentary pushbutton, flush, label "OPEN" = Momentary pushbutton, flush, label "CLOSE"	NEMA 1B	2 NO (50ZAC3)	2	50DA2HJ	1
	= Momentary pushbutton, flush, label "UP" = Momentary pushbutton, flush, label "DOWN"	NEMA 1B	2 NO (50ZAC3)	2	50DA2NP	1
	= Momentary pushbutton, less insert, flush = Momentary pushbutton, less insert, flush	NEMA 1B	2 NO (50ZAC3)	2	50DA2AA	1
	Momentary pushbutton, less insert, chrome plate, flush Momentary pushbutton, less insert, chrome plate, flush	NEMA 1B	2 NO (50ZAC3)	2	50DA6AA	1
	= Momentary pushbutton, flush, label "FORWARD" = Momentary pushbutton, flush, label "REVERSE"	NEMA 1B	2 NO mechanically interlocked (50ZA3C w/ 50ZAM)	2	50RA2KL	1
	= Momentary pushbutton, flush, label "OPEN" = Momentary pushbutton, flush, label "CLOSE"	NEMA 1B	2 NO mechanically interlocked (50ZA3C w/ 50ZAM)	2	50RA2HJ	1
	= Momentary pushbutton, flush, label "UP" = Momentary pushbutton, flush, label "DOWN"	NEMA 1B	2 NO mechanically interlocked (50ZA3C w/ 50ZAM)	2	50RA2NP	1
	= Momentary pushbutton, flush, label "ON" = Momentary pushbutton, flush, label "OFF"	NEMA 1B	2 NO mechanically interlocked (50ZA3C w/ 50ZAM)	2	50RA234	1
	= Momentary pushbutton, less insert, flush = Momentary pushbutton, less insert, flush	NEMA 1B	2 NO mechanically interlocked (50ZA3C w/ 50ZAM)	2	50RA2AA	1
	Momentary pushbutton, less insert, chrome plate, flush Momentary pushbutton, less insert, chrome plate, flush	NEMA 1B	2 NO mechanically interlocked (50ZA3C w/ 50ZAM)	2	50RA6AA	1
	= Momentary pushbutton, flush, label "FORWARD" = Momentary pushbutton, flush, label "REVERSE"	NEMA 1B	2 NO, 2 NC (2 - 50ZAC2)	2	50EA2KL	1
	= Momentary pushbutton, flush, label "OPEN" = Momentary pushbutton, flush, label "CLOSE"	NEMA 1B	2 NO, 2 NC (2 - 50ZAC2)	2	50EA2HJ	1
	= Momentary pushbutton, flush, label "UP" = Momentary pushbutton, flush, label "DOWN"	NEMA 1B	2 NO, 2 NC (2 - 50ZAC2)	2	50EA2NP	1
	= Momentary pushbutton, flush, label "ON" = Momentary pushbutton, flush, label "OFF"	NEMA 1B	2 NO, 2 NC (2 - 50ZAC2)	2	50EA234	1
	= Momentary pushbutton, less insert, flush = Momentary pushbutton, less insert, flush	NEMA 1B	2 NO, 2 NC (2 - 50ZAC2)	2	50EA2AA	1
Е	= Momentary pushbutton, less insert, chrome plate, flush = Momentary pushbutton, less insert, chrome plate, flush	NEMA 1B	2 NO, 2 NC (2 - 50ZAC2)	2	50EA6AA	1

5A 600V AC NEMA B600

Selection and ordering data

	Operator identification	Degree of protection	Contacts / voltage	Number of com- mand points	Order No.	Pack Unit
2 unit surface mount-momentary pushbutton and	B = Momentary pushbutton green, surface, label "START" A = Maintained selector switch, surface, label "HAND-OFF-AUTO"	NEMA 1	1NO, 1NC (50ZAC1) 2 NO 2SPDT w/ common jumper (50ZAC8)	2	50FA3DC3	1
selector switch	B = Momentary pushbutton less insert, surface A = Maintained selector switch, multiple legends, surface	NEMA 1	1NO, 1NC (50ZAC1) 2 NO 2SPDT w/ common jumper (50ZAC8)	2	50FA3AB9	1
	B = Indicator light, red, surface A = Maintained selector switch, surface, label "HAND-OFF-AUTO"	NEMA 1	120/240V dual voltage (120PSB lamp) 2 NO 2SPDT w/ common jumper (50ZAC8)	2	50HA3YC3	1
2 unit surface mount-momentary oushbutton and ndicator light	B = Indicator light, red, surface A = Maintained selector switch, multiple legends, surface	NEMA 1	120/240V dual voltage (120PSB lamp) 2 NO 2SPDT w/ common jumper (50ZAC8)	2	50HA32B9	1
Ü	B = Indicator light, green, surface A = Indicator light, red, surface	NEMA 1	120/240V dual voltage (120PSB lamp)	2	50GA3ZY	1
	B = Indicator light, less lens, surface A = Indicator light, less lens, surface	NEMA 1	120/240V dual voltage (120PSB lamp)	2	50GA322	1
2 unit flush mount-momentary pushbutton and selector switch	B = Momentary pushbutton green, flush, label "START" A = Maintained selector switch, flush, label "HAND-OFF-AUTO"	NEMA 1B	1NO, 1NC (50ZAC1) 2 NO 2SPDT w/ common jumper (50ZAC8)	2	50FA2DC3	1
	B = Momentary pushbutton less insert, flush A = Maintained selector switch, multiple legends, flush	NEMA 1B	1NO, 1NC (50ZAC1) 2 NO 2SPDT w/ common jumper (50ZAC8)	2	50FA2AB9	1
	B = Momentary pushbutton less insert chrome plate, flush A = Maintained selector switch, multiple legends, flush	NEMA 1B	1NO, 1NC (50ZAC1) 2 NO 2SPDT w/ common jumper (50ZAC8)	2	50FA6AB9	1
	B = Indicator light, red, flush A = Maintained selector switch, flush, label "HAND-OFF-AUTO"	NEMA 1B	120/240V dual voltage (120PSB lamp) 2 NO 2SPDT w/ common jumper (50ZAC8)	2	50HA2YC3	1
	B = Indicator light, less lens, flush A = Maintained selector switch, multiple legends, flush	NEMA 1B	120/240V dual voltage (120PSB lamp) 2 NO 2SPDT w/ common jumper (50ZAC8)	2	50HA22B9	1
	B = Indicator light, less lens, chrome plate, flush A = Maintained selector switch, multiple legends, flush	NEMA 1B	120/240V dual voltage (120PSB lamp) 2 NO 2SPDT w/ common jumper (50ZAC8)	2	50HA62B9	1
2 unit flush mount-momentary	B = Indicator light, green, flush A = Indicator light, red, flush	NEMA 1B	120/240V dual voltage (120PSB lamp)	2	50GA2ZY	1
oushbutton and ndicator light	B = Indicator light, less lens, flush A = Indicator light, less lens, flush	NEMA 1B	120/240V dual voltage (120PSB lamp)	2	50GA222	1
	B = Indicator light, less lens, chrome plate, flush A = Indicator light, less lens, chrome plate, flush	NEMA 1B	120/240V dual voltage (120PSB lamp)	2	50GA622	1
3 unit surface mount-momentary oushbutton	C = Momentary pushbutton, surface, label "FORWARD" B = Momentary pushbutton, surface, label "REVERSE" A = Momentary pushbutton, surface, label	NEMA 1	2 NO, 2 NC (2 - 50ZAC2) 1NO - 1NC with common jumper (50ZAC1)	3	50MA3KLE	1
	"STOP" C = Momentary pushbutton, surface, label "UP" B = Momentary pushbutton, surface, label "DOWN" A = Momentary pushbutton, surface, label	NEMA 1	2 NO, 2 NC (2 - 50ZAC2) 1NO - 1NC with common jumper (50ZAC1)	3	50MA3NPE	1
	"STOP" C = Momentary pushbutton, surface, label "OPEN" B = Momentary pushbutton, surface, label "CLOSE" A = Momentary pushbutton, surface, label "STOP"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2) 1NO - 1NC with common jumper (50ZAC1)	3	50MA3HJE	1

5A 600V AC NEMA B600

Selection and ordering data

Selection and ord	iering data					
				Number	Order No.	Packs
	On analysis of the state of the	Degree of protection	Contacts / voltage	of com- mand points		
3 unit surface mount-momentary pushbutton	Operator identification C = Momentary pushbutton, surface, label "FAST" B = Momentary pushbutton, surface, label "SLOW" A = Momentary pushbutton, surface, label "STOP"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2) 1NO - 1NC with common jumper (50ZAC1)	3	50MA3TUE	Unit 1
	C = Momentary pushbutton, surface, label "START" B = Momentary pushbutton, surface, label "JOG" A = Momentary pushbutton, surface, label "STOP"	NEMA 1	2 NO, 2 NC (2 - 50ZAC2) 1NO - 1NC with common jumper (50ZAC1)	3	50MA3DME	1
	C = Momentary pushbutton, surface, label less insert B = Momentary pushbutton, surface, label less insert A = Momentary pushbutton, surface. label less insert	NEMA 1	2 NO, 2 NC (2 - 50ZAC2) 1NO - 1NC with common jumper (50ZAC1)	3	50MA3AAA	1
3 unit surface mount-momentary pushbutton and selector switch	C = Momentary pushbutton, surface, label "START" B = Momentary pushbutton, surface, label "STOP" A = Maintained selector switch, surface, label "HAND-OFF-AUTO"	NEMA 1	1 NO, 1 NC (50ZAC2) 2 NO, 2 SPST with common jumper (50ZAC8)	3	50LA3DEC3	1
	C = Momentary pushbutton, less insert, surface B = Momentary pushbutton, less insert, surface A = Maintained selector switch, multiple legends, surface	NEMA 1	1 NO, 1 NC (50ZAC2) 2 NO, 2 SPST with common jumper (50ZAC8)	3	50LA3AAB9	1
3 unit surface mount-momentary pushbutton and indicator light	C = Indicator light, red, surface B = Momentary pushbutton, surface, label "START" A = Momentary pushbutton, surface, label "STOP"	NEMA 1	120/240V dual voltage (120PSB lamp) 1 NO, 1 NC (50ZAC2)	3	50JA3YDE	1
	C = Indicator light, green, surface B = Momentary pushbutton, surface, label "START" A = Momentary pushbutton, surface, label "STOP"	NEMA 1	120/240V dual voltage (120PSB lamp) 1 NO, 1 NC (50ZAC2)	3	50JA3ZDE	1
	C = Indicator light, less lens, surface B = Momentary pushbutton, less insert, surface A = Momentary pushbutton, less insert, surface	NEMA 1	120/240V dual voltage (120PSB lamp) 1 NO, 1 NC (50ZAC2)	3	50JA32AA	1
	C = Indicator light, green, surface B = Indicator light, red, surface A = Maintained selector switch, surface, label "HAND-OFF-AUTO"	NEMA 1	120/240V dual voltage (120PSB lamp) 2 NO, 2 SPST with common jumper (50ZAC8)	3	50NA3ZYC3	1
	C = Indicator light, less lens, surface B = Indicator light, less lens, surface A = Maintained selector switch, multiple legends, surface	NEMA 1	120/240V dual voltage (120PSB lamp) 2 NO, 2 SPST with common jumper (50ZAC8)	3	50NA322B9	1

Class 50 Standard Duty Pushbutton Stations

Number

2

2

50HA2E3

50HA2E4

Heavy duty - 10A 600V AC NEMA A600

Order No.

Selection and ordering data

		-	
3		0	
3	0.	ı	
		v	4

Operator identification	Degree of protection NEMA 4	Contacts / voltage	of com- mand points		11-4
	NEMA 4	1110 1110			Unit
A = Momentary pushbutton green, surface, label "START""		1NO - 1NC	1	50HA1E1	1
A = Momentary pushbutton red, surface, labe "STOP"	NEMA 4	1NO - 1NC	1	50HA1E2	1
A = Momentary pushbutton green, surface, label "RESET"	NEMA 4	1NO - 1NC	1	50HA1E4	1
A = Momentary pushbutton green, surface, label "JOG"	NEMA 4	1NO - 1NC	1	50HA1E5	1
A = Maintained selector switch, surface, label "SAFE-RUN"	NEMA 4	1NO - 1NC	1	50HA1E6	1
A = Maintained selector switch, surface, label "OFF-ON"	NEMA 4	1NO - 1NC	1	50HA1E7	1
A = Maintained selector switch, surface, label "JOG-RUN"	NEMA 4	1NO - 1NC	1	50HA1E8	1
A = Maintained selector switch, surface, label "HAND-OFF-AUTO"	NEMA 4	1NO - 1NC	1	50HA1E9	1
B = Momentary pushbutton green, surface, label "START"	NEMA 4	1NO - 1NC	2	50HA2E1	1
A = Momentary pushbutton red, surface, labe "STOP"	9	1NO - 1NC			
B = Momentary pushbutton green, surface, label "FORWARD"	NEMA 4	1NO - 1NC	2	50HA2E2	1

1NO - 1NC

NEMA 4

NEMA 4



A = Momentary pushbutton red, surface, label "REVERSE"

A = Momentary pushbutton red, surface, label

B = Momentary pushbutton green, surface, label "UP"

B = Momentary pushbutton green, surface,

A = Momentary pushbutton red, surface, label

"DOWN"

label "OPEN"

"CLOSE"		1110 - 1110			
B = Momentary pushbutton green, surface, label "FAST"	NEMA 4	1NO - 1NC	2	50HA2E5	1
A = Momentary pushbutton red, surface, label "SLOW"		1NO - 1NC			
C = Momentary pushbutton green, surface, label "FORWARD"	NEMA 4	1NO - 1NC	3	50HA3E1	1
B = Momentary pushbutton green, surface, label "REVERSE"		1NO - 1NC			
A = Momentary pushbutton red, surface, label "STOP"		1NO - 1NC			
C = Momentary pushbutton green, surface, label "UP"	NEMA 4	1NO - 1NC	3	50HA3E2	1
B = Momentary pushbutton green, surface, label "DOWN"		1NO - 1NC			
A = Momentary pushbutton red, surface, label "STOP"		1NO - 1NC			
C = Momentary pushbutton green, surface, label "OPEN"	NEMA 4	1NO - 1NC	3	50HA3E3	1
B = Momentary pushbutton green, surface, label "CLOSE"		1NO - 1NC			
A = Momentary pushbutton red, surface, label "STOP"		1NO - 1NC			
C = Momentary pushbutton green, surface, label "START"	NEMA 4	1NO - 1NC	3	50HA3E9	1
B = Momentary pushbutton green, surface, label "JOG"		1NO - 1NC			
A = Momentary pushbutton red, surface, label "STOP"		1NO - 1NC			
C = Momentary pushbutton green, surface, label "FAST"	NEMA 4	1NO - 1NC	3	50HA3E4	1
B = Momentary pushbutton green, surface, label "SLOW"		1NO - 1NC			
A = Momentary pushbutton red, surface, label "STOP"		1NO - 1NC			

Siemens Industry, Inc. Industrial Controls Catalog **Product Category: PILO**

10/129

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Packs

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IU

Standard duty station accessories

Selection and ordering data

Legend inscription insert for snap-on mounting

Inscription	Color	Order No.	Pack
			Unit
Close	Orange	50D53493005	1
Down	Orange	50D53493010	1
Fast	Black	50D53493013	1
Forward	Green	50D53493006	1
High	Black	50D53493015	1
Hoist	Green	50D53493011	1
Jog	Black	50D53493008	1
Low	Black	50D53493016	1
Lower	Orange	50D53493012	1
Off	Red	50D53493018	1
On	Green	50D53493017	1
Open	Green	50D53493004	1
Reverse	Orange	50D53493007	1
Slow	Black	50D53493014	1
Start	Green	50D53493001	1
Stop	Red	50D53493002	1
Stop (raised)	Red	50D53493003	1
Up	Green	50D53493009	1

50ZAC1	0 0 0 0 0 50ZAC2
50ZAC8	0 0 0 0 50ZAC3

Version	Suitable for	Color	Order No.	Pack
				Unit
Mushroom head		Red	50ZMH	1
Padlock attachment	Used only for raised buttons		50ZAL	1
Mechanical interlock kit			50ZAM	1
Contact blocks 1NO, 1NC 2NO, 2SPST 1NO, 1NC 1NO, 1NO	Single button Selector switch Two button Two button		50ZAC1 50ZAC8 50ZAC2 50ZAC3	1 1 1 1
Pilot light	120/240V Dual Voltage, no len	is	50ZAC6	1
Pilot light lens		Red Green	50ZPL01 50ZPL02	1 1
Replacement lamps Slide base, lamp type 120PSB	Class 50 type 1, 1B 120V		50D21983001	1

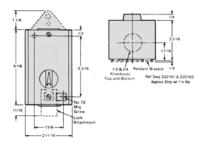
Heavy duty station accessories

Version	Suitable for	Color	Order No.	Pack
				Unit
Pushbutton caps	NEMA 4 control stations	Red	BHP15X	1
	NEMA 4 control stations	Black	BHP16X	1

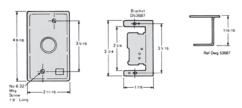
Class 50 Standard Duty Pushbutton Stations

Standard duty - 5A 600V AC NEMA B600

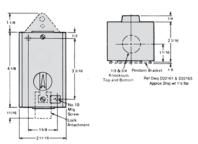
1 Unit Station Surface Mounting—Type 1



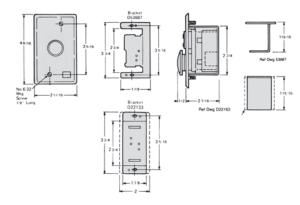
1 Unit Station Flush Mounting—Type 1B



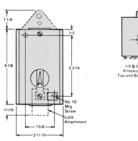
2 Pushbutton Stations Surface Mounting—Type 1



2 Pushbutton Stations Flush Mounting—Type 1B

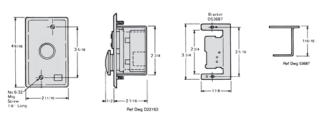


2 Unit Stations Surface Mounting—Type 1

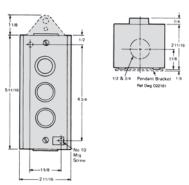




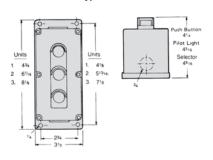
2 Unit Station Flush Mounting—Type 1B



3 Unit Stations Surface Mounting



1 Unit Stations—Type 4



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Class 51 Pilot Devices

Hazardous location

Features

- UL Listed and cUL Listed for Class I, Groups C & D and Class II, Groups E, F & G
- Short or Long Bushing Lengths
- Mount into 3/4-14 NPSM Threaded Hole
- Sealing Lock Nut
- Similar in Appearance to Class 52 Oil Tight Pilot Devices
- Double Break Bifurcated Contacts Rated AC NEMA A600, DC NEMA P600
- Positively Driven Contacts
- Touchsafe Terminals
- UL Listed File # E39935

Application

When properly installed in a Type 7 & 9 en-closure, these components meet the National Electrical Code's requirements for Class I, Division 1 & 2, Groups C and D hazardous gases, Class II, Division 1, Groups E, F and G hazardous dust, and Class III, hazardous fibers and flyings. Class 51 pilot de-vices may be used in a location where the presence of flammable gases, vapors or finely pulverized dusts in the atmosphere are sufficient to create a threat of explosion or fire. They may also be required where easily ignitable fibers or flyings are present. Short bushing units are used in most standard Type 7 & 9 enclosures. Long bushings are used when an additional front panel is required or in enclosures up to 2 V8 inches thick. Class 51 devices also meet Type 4 applications.

Rugged

Hazardous location control units are durable one piece castings of a corrosion resistant copper free aluminum alloy with stainless steel springs and type 316 stainless steel shafts to provide a long dependable life. The "0" ring ensures the longest seal life available. Contact blocks have double break bifurcated contacts for increased reliability.

Flexible

Control units mount into industry standard 3/4-14 NPSM threaded holes. Both short bushings for enclosure mounting and long bushings for panel mounting are available.

Pilot light bulbs are removable from the front for ease of maintenance. Many common parts between the Class 51 hazardous location pilot devices and the Class 52 oil tight pilot devices allow for increased serviceability with fewer parts.

Industrial Appearance

Hazardous location control units add luster to panels. They are uniform in appearance and match 52 Class oil tight pilot devices.

Typical Applications

Class I

Class II

Class III

Electrical Ratings

NEMA AC Ratings 50/60Hz

Nema A600 10 Continuous Amps

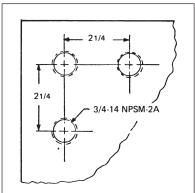
Volts	Make	Break
120	60	6
240	30	3
480	15	1.5
600	12	1.2
VA	7200	720

Ordering Information

- Accessories see page 10/140-10/141.
- Selector Operating Position and Contact Operation page 10/138.
- Legend Plates see page 10/177.
- Enclosures see page 10/139.
- Technical Specifications: page 10/179.

Sealing 3/4-inch Octagonal-'0" Ring Lock Nut Lock Nut NPSM Thread Molded-Contact Blocks Acrylic Rated A600/P600 Acutuator Stainless Steel Spring IP20 Touch Safe Copper-Free Terminals Additional Lock Nut 316 Stainless Aluminum Alloy Provided on Long Steel Shaft Construction **Bushing Units**

Panel Spacing



Pushbutton Units and Indicator Lights Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Operators only

Selection	and	ordering	data

Selection and orderin	g data				
	Version	Color of Contacts operator	Short bushing Order No.	Long bushing Order No.	Pack
Pushbutton with flat cap	Pushbutton with flush cap	Black Red Green	51PA8A1 51PA8A2 51PA8A3	51PA8A1LB 51PA8A2LB 51PA8A3LB	Unit 1 1 1
Pushbutton with extended cap	Pushbutton with extended cap	Black Red Green	51PA8B1 51PA8B2 51PA8B3	51PA8B1LB 51PA8B2LB 51PA8B3LB	1 1 1 1
Dual pushbutton	Dual Pushbutton	Flush Black Raised Red	51PD8A1B2	51PD8A1B2LB	1
	Pushbutton with mushroom cap 1 5/8"(41.3mm)	Black Red Green	51PA9D1 51PA9D2 51PA9D3	51PA9D1LB 51PA9D2LB 51PA9D3LB	1 1 1
	Pushbutton with mushroom cap 2 1/2'(63.5mm)	Black Red Green Less head	51PA9E1 51PA9E2 51PA9E3 51PA9	51PA9E1LB 51PA9E2LB 51PA9E3LB 51PA9LB	1 1 1 1 1
2 position push-pull	2 Position Push Pull Maintained, Non Illuminated Small Plastic Mushroom Head, 1 5/8" (41.3 mm)	Black Red Green	51PA2D1 51PA2D2 51PA2D3	51PA2D1LB 51PA2D2LB 51PA2D3LB	1 1 1
	Large Plastic Mushroom Head, 2 1/4" (57.2 mm)	Black Red Green Less head	51PA2E1 51PA2E2 51PA2E3 51PA2	51PA2E1LB 51PA2E2LB 51PA2E3LB 51PA2LB	1 1 1 1 1
	2 Position Push Pull Maintained, Non Illuminated Small Mushroom Head, 1 5/8"(41.3mm)	Red 1NC + 1NC	D 51PA2D1A D 51PA2D2A D 51PA2D3A	51PA2D1LBA 51PA2D2LBA 51PA2D3LBA	1 1 1
	Large Mushroom Head, 2 1/2*(63.5mm)	Red 1NC + 1NC	D 51PA2E1A D 51PA2E2A D 51PA2E3A	51PA2E1LBA 51PA2E2LBA 51PA2E3LBA	1 1 1
3 position push-pull	3 Position Push Pull Momentary, Non Illuminated Small Mushroom Head, 1 5/8"(41.3mm)	Red 1NC + 1NC	51PA3A1U 51PA3A2U 51PA3A3U	51PA3A1ULB 51PA3A2ULB 51PA3A3ULB	1 1 1

Pushbutton Units and Indicator Lights Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Indicator light

Selection and ordering data

	Version	Color of Operator	Contacts	Short bushing Order No.	Long bushing Order No.	Pack
		operator		Order No.	Order No.	Unit
Indicator light- full voltage	Indicator light with glass lens - Full voltage type AC/DC (with 6" pigtail leads) 1) 3) Operators with Incandescent Lamp 6-8V with 755 type	Red Green Amber Less lens		51PC5B2 51PC5B3 51PC5B9 51PC5BN	51PC5B2LB 51PC5B3LB 51PC5B9LB 51PC5BNLB	1
	12V with 756 type	Red Green Amber Less lens		51PC5C2 51PC5C3 51PC5C9 51PC5CN	51PC5C2LB 51PC5C3LB 51PC5C9LB 51PC5CNLB	1
	24V with 757 type	Red Green Amber Less lens		51PC5D2 51PC5D3 51PC5D9 51PC5DN	51PC5D2LB 51PC5D3LB 51PC5D9LB 51PC5DNLB	1
	Operators with LED Lamp ²) 6-8V with BA9 type LED	Red Green Amber		51PE5B2 51PE5B3 51PE5B9	51PE5B2LB 51PE5B3LB 51PE5B9LB	1
	24V with BA9 type LED	Red Green Amber		51PE5D2 51PE5D3 51PE5D9	51PE5D2LB 51PE5D3LB 51PE5D9LB	1
Indicator light-	Indicator light with glass lens - Transformer type AC/DC ¹) ³) Operators with Incandescent Lamp 120V with 6V 755 type lamp	Red Green Amber Less lens		51PC5G2 51PC5G3 51PC5G9 51PC5GN	51PC5G2LB 51PC5G3LB 51PC5G9LB 51PC5GNLB	1
transformer type	240V with 6V 755 type lamp	Red Green Amber Less lens		51PC5H2 51PC5H3 51PC5H9 51PC5HN	51PC5H2LB 51PC5H3LB 51PC5H9LB 51PC5HNLB	1
	480V with 6V 755 type lamp	Red Green Amber Less lens		51PC5J2 51PC5J3 51PC5J9 51PC5JN	51PC5J2LB 51PC5J3LB 51PC5J9LB 51PC5JNLB	1
	600V with 6V 755 type lamp	Red Green Amber Less lens		51PC5K2 51PC5K3 51PC5K9 51PC5KN	51PC5K2LB 51PC5K3LB 51PC5K9LB 51PC5KNLB	1
	Operators with LED Lamp ²) 120V with 6V BA9 type LED	Red Green Amber Less lens		51PE5G2 51PE5G3 51PE5G9	51PE5G2LB 51PE5G3LB 51PE5G9LB	1
	240V with 6V BA9 type LED	Red Green Amber Less lens		51PE5H2 51PE5H3 51PE5H9	51PE5H2LB 51PE5H3LB 51PE5H9LB	1
	480V with 6V BA9 type LED	Red Green Amber Less lens		51PE5J2 51PE5J3 51PE5J9	51PE5J3LB 51PE5J3LB 51PE5J9LB	1
	600V with 6V BA9 type LED	Red Green Amber Less lens		51PE5K2 51PE5K3 51PE5K9	51PE5K2LB 51PE5K3LB 51PE5K9LB —	1
	Indicator light with glass lens - Resistor type AC/DC* 120V with 24V 757 type lamp	Red Green Amber Less lens		51PC5M2 51PC5M3 51PC5M9 51PC5MN	51PC5M2LB 51PC5M3LB 51PC5M9LB 51PC5MNLB	1
	120V with 24V BA9 type LED lamp ²)	Red Green Amber		51PE5M2 51PE5M3 51PE5M9	51PE5M2LB 51PE5M3LB 51PE5M9LB	1

¹⁾ For other colors not listed, order operator less lens and separate lens from page 10/127.

²⁾ LED color must match lens color.

³⁾ All illuminated devices come with std. Touchsafe shield per UL stds.

Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Push to test complete units

Selection and ordering data

Push to test full voltage
o pay les

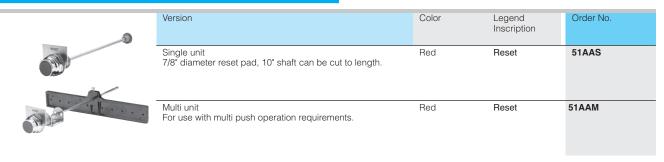
Push to test transformer type

ng	data					
	Version	Color of operator	Contacts	Short bushing Order No.	Long bushing Order No.	Pack
	Push to test/Illuminated pushbutton with glass lens - Full voltage type AC/DC ¹) ³) Operators with Incandescent Lamp 6V with 755 type lamp	Red Green Amber Less lens	1NO + 1NC 1NO + 1NC 1NO + 1NC 1NO + 1NC	51PC6B2A 51PC6B3A 51PC6B9A 51PC6BNA	51PC6B2ALB 51PC6B3ALB 51PC6B9ALB 51PC6BNALB	1 1 1 1
	24V with 757 type lamp	Red Amber Green Less lens	1NO + 1NC 1NO + 1NC 1NO + 1NC 1NO + 1NC	51PC6D2A 51PC6D3A 51PC6D9A 51PC6DNA	51PC6D2ALB 51PC6D3ALB 51PC6D9ALB 51PC6DNALB	1 1 1 1
	Operators with LED Lamp ²) 6-8V with BA9 type LED	Red Green Amber	1NO + 1NC 1NO + 1NC 1NO + 1NC	51PE6B2A 51PE6B3A 51PE6B9A	51PE6B2ALB 51PE6B3ALB 51PE6B9ALB	1 1 1
	24V with BA9 type LED	Red Green Amber	1NO + 1NC 1NO + 1NC 1NO + 1NC	51PE6D2A 51PE6D3A 51PE6D9A	51PE6D2ALB 51PE6D3ALB 51PE6D9ALB	1 1 1
	Push to test/Illuminated pushbutton with glass lens - Transformer type (50/60 Hz) 1) 3) Operators with Incandescent Lamp 120V with 6V 755 type lamp	Red Green Amber Less lens	1NO + 1NC 1NO + 1NC 1NO + 1NC 1NO + 1NC	51PC6G2A 51PC6G3A 51PC6G9A 51PC6GNA	51PC6G2ALB 51PC6G3ALB 51PC6G9ALB 51PC6GNALB	1 1 1 1
	240V with 6V 755 type lamp	Red Green Amber Less lens	1NO + 1NC 1NO + 1NC 1NO + 1NC 1NO + 1NC	51PC6H2A 51PC6H3A 51PC6H9A 51PC6HNA	51PC6H2ALB 51PC6H3ALB 51PC6H9ALB 51PC6HNALB	1 1 1 1
	480V with 6V 755 type lamp	Red Green Amber Less lens	1NO + 1NC 1NO + 1NC 1NO + 1NC 1NO + 1NC	51PC6J2A 51PC6J3A 51PC6J9A 51PC6JNA	51PC6J2ALB 51PC6J3ALB 51PC6J9ALB 51PC6JNALB	1 1 1 1
	600V with 6V 755 type lamp	Red Green Amber Less lens	1NO + 1NC 1NO + 1NC 1NO + 1NC 1NO + 1NC	51PC6K2A 51PC6K3A 51PC6K9A 51PC6KNA	51PC6K2ALB 51PC6K3ALB 51PC6K9ALB 51PC6KNALB	1 1 1 1
	Operators with LED Lamp ²) 120V with 6V BA9 type LED	Red Green Amber	1NO + 1NC 1NO + 1NC 1NO + 1NC	51PE6G2A 51PE6G3A 51PE6G9A	51PE6G2ALB 51PE6G3ALB 51PE6G9ALB	1 1 1
	240V with 6V BA9 type LED	Red Green Amber	1NO + 1NC 1NO + 1NC 1NO + 1NC	51PE6H2A 51PE6H3A 51PE6H9A	51PE6H2ALB 51PE6H3ALB 51PE6H9ALB	1 1 1
	480V with 6V BA9 type LED	Red Green Amber	1NO + 1NC 1NO + 1NC 1NO + 1NC	51PE6J2A 51PE6J3A 51PE6J9A	51PE6J2ALB 51PE6J3ALB 51PE6J9ALB	1 1 1
	600V with 6V BA9 type LED	Red	1NO + 1NC	51PE6K2A	51PE6K2ALB	1

1NO + 1NC 51PE6K3A

1NO + 1NC 51PE6K9A'

Overload reset operators with reset legend plate



Green

51PE6K3ALB

51PE6K9ALB

¹⁾ For other colors not listed, order operator less lens and separate lens from page 10/127.

²⁾ LED color must match lens color.

³⁾ All illuminated devices come with std. Touchsafe shield per UL stds.

Pushbutton Units and Indicator Lights Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Selector switch operators

Selection and ordering data

Version	Lever type	Color of insert	Cam Code 1) 2)	Short bushing Order No.	Long bushing Order No.	Pack
			, ,			Unit
Selector switches with	Short lever, non-Illuminated	White	Α	51SA2AA	51SA2AALB	1
2 switching positions Maintained operation	Long lever, non-Illuminated	White	Α	51SB2AA	51SB2AALB	
Spring return from	Short lever, non-Illuminated	White	А	51SA2AC	51SA2ACLB	1
right operation	Long lever, non-Illuminated	White	Α	51SB2AC	51SB2ACLB	
Selector switches with 3 switching positions	Short lever, non-Illuminated	White	B B	51SA2BA 51SB2BA	51SA2BALB 51SB2BALB	1
Maintained operation	Long lever, non-Illuminated Short lever, non-Illuminated	White White	С	51SB2BA 51SA2CA	51SA2CALB	
	Long lever, non-Illuminated	White	С	51SB2CA	51SB2CALB	
	Short lever, non-Illuminated	White	D	51SA2DA	51SA2DALB	
	Long lever, non-Illuminated	White	D	51SB2DA	51SB2DALB	
	Short lever, non-Illuminated	White	Е	51SA2EA	51SA2EALB	
	Long lever, non-Illuminated	White	E	51SB2EA	51SB2EALB	
	Short lever, non-Illuminated	White	G	51SA2GA	51SA2GALB	
	Long lever, non-Illuminated	White	G	51SB2GA	51SB2GALB	
Spring return from	Short lever, non-Illuminated	White	В	51SA2BC	51SA2BCLB	1
right operation	Long lever, non-Illuminated	White	В	51SB2BC	51SB2BCLB	
	Short lever, non-Illuminated	White	С	51SA2CC	51SA2CCLB	
	Long lever, non-Illuminated	White	C D	51SB2CC	51SB2CCLB	
	Short lever, non-Illuminated Long lever, non-Illuminated	White White	D	51SA2DC 51SB2DC	51SA2DCLB 51SB2DCLB	
	Short lever, non-Illuminated	White	E	51SA2EC	51SA2ECLB	
	Long lever, non-Illuminated	White	E	51SB2EC	51SB2ECLB	
	Short lever, non-Illuminated	White	G	51SA2GC	51SA2GCLB	
	Long lever, non-Illuminated	White	G	51SB2GC	51SB2GCLB	
Spring return from	Short lever, non-Illuminated	White	В	51SA2BB	51SA2BBLB	1
left operation	Long lever, non-Illuminated	White	В	51SB2BB	51SB2BBLB	
	Short lever, non-Illuminated	White	С	51SA2CB	51SA2CBLB	
	Long lever, non-Illuminated	White	С	51SB2CB	51SB2CBLB	
	Short lever, non-Illuminated	White White	D D	51SA2DB 51SB2DB	51SA2DBLB 51SB2DBLB	
	Long lever, non-Illuminated Short lever, non-Illuminated	White	E	51SB2BB 51SA2EB	51SA2EBLB	
	Long lever, non-Illuminated	White	E	51SB2EB	51SB2EBLB	
	Short lever, non-Illuminated	White	G	51SA2GB	51SA2GBLB	
	Long lever, non-Illuminated	White	G	51SB2GB	51SB2GBLB	
Spring return from left	Short lever, non-Illuminated	White	В	51SA2BD	51SA2BDLB	1
and right operation	Long lever, non-Illuminated	White	В	51SB2BD	51SB2BDLB	
	Short lever, non-Illuminated	White	С	51SA2CD	51SA2CDLB	
	Long lever, non-Illuminated	White	С	51SB2CD	51SB2CDLB	
	Short lever, non-Illuminated	White	D	51SA2DD	51SA2DDLB	
	Long lever, non-Illuminated	White	D	51SB2DD	51SB2DDLB	
	Short lever, non-Illuminated	White	Е	51SA2ED	51SA2EDLB	
	Long lever, non-Illuminated	White	Е	51SB2ED	51SB2EDLB	
	Short lever, non-Illuminated	White	G	51SA2GD	51SA2GDLB	
	Long lever, non-Illuminated	White	G	51SB2GD	51SB2GDLB	

¹⁾C CAM limited to 4 single or double pole blocks on spring return operators.

²⁾ For contact operation, see CAM selection chart on page 10/138.

Pushbutton Units and Indicator Lights Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Selector switch operators

Selection and ordering



lata						
Version	Key	Lock	CAM	Short	Long	Pa
	removal	number	Code	bushing	bushing	
	position		¹) ²)	Order No.	Order No.	Un
Key-operated selector switches with	Both	550CH	А	51SA6AE	51SA6AELB	OII
2 switching positions	Left	550CH	Α	51SA6AF	51SA6AFLB	
Maintained operation	Lon	000011	, ,	O I O A O A I	OTOAGAI EB	
Spring return from right operation	Left	550CH	A	51SA6AC	51SA6ACLB	
Key-operated selector switches with	All	550CH	В	51SA6BE	51SA6BELB	
3 switching positions	7 111	000011	C	51SA6CE	51SA6CELB	
Maintained operation			D	51SA6DE	51SA6DELB	
Walliamod oporation			E	51SA6EE	51SA6EELB	
			G	51SA6GE	51SA6GELB	
	Left	550CH	В	51SA6BF	51SA6BFLB	
	Lon	330011	С	51SA6CF	51SA6CFLB	
			D	51SA6DF	51SA6DFLB	
			E	51SA6EF	51SA6EFLB	
			G	51SA6GF	51SA6GFLB	
	Right	550CH	В	51SA6BG	51SA6BGLB	
	rugiii	JJUUN	С	51SA6CG	51SA6CGLB	
			D	51SA6DG	51SA6DGLB	
			E	51SA6EG	51SA6EGLB	
			G	51SA6GG	51SA6GGLB	
	Center	550CH	В	51SA6BH	51SA6BHLB	
	Center	550011	С	51SA6CH	51SA6CHLB	
			D			
				51SA6DH	51SA6DHLB	
			E	51SA6EH	51SA6EHLB	
	1 - 6	550011	G	51SA6GH	51SA6GHLB	
	Left and Center	550CH	В	51SA6BK	51SA6BKLB	
	Cerner		С	51SA6CK	51SA6CKLB	
			D	51SA6DK	51SA6DKLB	
			E	51SA6EK	51SA6EKLB	
			G	51SA6GK	51SA6GKLB	
Spring return from right operation	Center	550CH	В	51SA6BU	51SA6BULB	
			С	51SA6CU	51SA6CULB	
			D	51SA6DU	51SA6DULB	
			Е	51SA6EU	51SA6EULB	
			G	51SA6GU	51SA6GULB	
Spring return from left operation	Center	550CH	В	51SA6BT	51SA6BTLB	
			С	51SA6CT	51SA6CTLB	
			D	51SA6DT	51SA6DTLB	
			Е	51SA6ET	51SA6ETLB	
			G	51SA6GT	51SA6GTLB	
Spring return from left and right operation	Center	550CH	В	51SA6BV	51SA6BVLB	
			С	51SA6CV	51SA6CVLB	
			D	51SA6DV	51SA6DVLB	
To order 1 to 25 special locks for keyed se			Ε	51SA6EV	51SA6EVLB	
simply replace the 6 in the 5th digit of the			G	51SA6GV	51SA6GVLB	
with a 5 when entering your order. (Orderi 52SC6AE is changed to 52SC5AE and all				5	5	
To order special locks for keyed selecto switches, append corresponding 'X' suf to part number						
•		#5.40CL	1	X639		
Ordering example: 51SA6AEX298		#549CH #548CH		X639 X640		
U IUAUALAZIO						
		#547CH	1	X641		1
		#501CH	4	X642		1

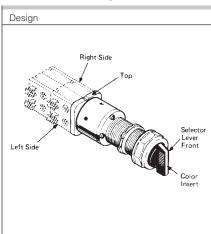
¹⁾C CAM limited to 4 single or double pole blocks on spring return operators.

²⁾ For contact operation, see CAM selection chart on page 10/138.

Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Cam selection

Selection and ordering data



Ordering Information

- Contact blocks are ordered separately, see page 10/141.
- Determine which table to use based upon the type of selector (non-illuminated & keyed on top, illuminated on bottom).
- Find the correct number of selector positions (2, 3 or 4 positions).
- Select the contact operation required for each selector position. X indicates the contacts are closed, while O indicates the contacts are open. (For the selector pushbutton, N=normal and D=depressed). Contact block must be assembled in position shown for each circuit application.
- Identify the CAM letter required for the chosen contact operation (only 1 CAM can be used per selector switch or selector pushbutton).
- Contact blocks must be assembled in the position shown for each circuit application. The mounting
 position is viewed from the front of the device.

Ordering CAMs D, E or G

 CAM D, E or G may be ordered at the same price by changing the 6th character of the selector catalog number. Example: Selector with D cam 51SA2DA.

Size Requirements

- C CAM on spring return selectors is limited to 4 contact blocks. Standard push buttons accept 4 contact blocks on each side, for a maximum of 8 contact blocks.
- Selector operators in enclosures are limited to depth of 1 contact block. (2 blocks wide).

Non-illuminated and keyed selector switches (viewed from front)

2 Selecto	r Positions		Contact Blocks	CAM	Mounting	
Left		Right			Left	Right
X O		O X	52BAJ (NC) 52BAK (NO)	A A	L or L or	R R
3 Selecto	r Positions		Contact Blocks	CAM	Mounting	
Left	Center	Right			Left	Right
X O X O	O O X X	O X O X	52BAK (NO) 52BAK (NO) 52BAJ (NC) 52BAJ (NC)	В В В В	L L R	R
O X	0	X O	52BAK (NO) 52BAJ (NC)	C C	L or L or	R R
0	O X	X O	52BAK (NO) 52BAJ (NC)	D D	L or L or	R R
X O	O X	0	52BAK (NO) 52BAJ (NC)	E E	L or L or	R R
X O O	O X O	O O X	52BAJ (NC) 52BAJ (NC) 52BAK (NO)	G G G	L L or	R R

Illuminated selector switches

2 Selector Positions		Contact Blocks	CAM	Mounting	
Left	Right			Left	Right
X	0	52BAJ (NC)	А	L	
Ο	X	52BAK (NO)	Α	L	

¹⁾ Wired in parallel.

Pushbutton Units and Indicator Lights Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Control stations

Selection and ordering data

2 0	Operator Identification ¹)	Degree of operator	Contacts/ voltage	Number of command points	Order No.	Pack
	A = Momentary flush pushbutton black, label "START"	NEMA 7/9	1NO - 1NC	1	51C101H	Unit 1
	A = Momentary raised pushbut- ton red, label "STOP"	NEMA 7/9	1NO - 1NC	1	51C103H	1
100	A = Momentary 1 5/8" mushroom head red label "STOP"	NEMA 7/9	1NO - 1NC	1	51C104H	1
	A = Momentary dual pushbut- ton red label "START, STOP"	NEMA 7/9	1NO - 1NC	1	51C105H	1
6	A = 2 position selector switch label "Off-On"	NEMA 7/9	1NO - 1NC	1	51C159H	1
	A = 3 position selector switch label "HAND-OFF-AUTO"	NEMA 7/9	1NO - 1NC	1	51C156H	1
	A = Indicator light, green, 120 V	NEMA 7/9		1	51C131H	1
	A = Indicator light, red, 120 V	NEMA 7/9		1	51C135H	1
	B = Momentary flush pushbutton black, label "START" A = Momentary raised pushbut- ton red, label "STOP"	NEMA 7/9	1NO - 1NC 1NO - 1NC	2	51C201H	1
	B = Momentary flush pushbutton black, label " FORWARD" A = Momentary flush pushbutton label "REV"		1NO - 1NC 1NO - 1NC	2	51C204H	1
	B = Momentary flush pushbutton black, label "START" A = Momentary 1 5/8" mushroom head pushbutton red, label "STOP"	NEMA 7/9	1NO - 1NC 1NO - 1NC	2	51C202H	1
	B = Indicator light, red, 120 V A = Indicator light, green, 120 V	NEMA 7/9	1NO - 1NC 1NO - 1NC	2	51C230H	1
	C = Momentary flush pushbutton black, label "FORWARD" B = Momentary flush pushbutton black, label "REVERSE" A = Momentary raised pushbut- ton red, label "STOP"	NEMA 7/9	1NO - 1NC 1NO - 1NC 1NO - 1NC	3	51C301H	1
	C = Momentary flush pushbutton black, label "OPEN" B = Momentary flush pushbutton black, label "CLOSE" A = Momentary raised pushbut- ton red, label "STOP"	NEMA 7/9	1NO - 1NC 1NO - 1NC 1NO - 1NC	3	51C303H	1
	C = Indicator light, green, 120 V B = Momentary flush pushbutton black, label "START" A = Momentary raised pushbut- ton red, label "STOP"	NEMA 7/9	1NO - 1NC 1NO - 1NC	3	51C307H	1

Enclosures only²)



For field assembly of Type 7 & 9 UL listed and cUL listed control stations. Devices may be installed for either horizontal or vertical mounting using a stand-ard legend. Limited to depth of 1 contact block.

51EA1H 2 51EA2H 3 51EA3H

¹⁾ All enclosures come standard with one conduit entry on top. To get two conduit entries, append X-311 to the end of the

²⁾ For legend plates see page 10/177.

Pushbutton Units and Indicator Lights Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Accessories and spare parts

	Version	Suitable for	Conduit Color size (in.)	Order No.	Pack Unit
	Mushroom head cap - Plastic	For small 1 5/8" (41.3mm) type,	Black	52RB3D1	1
		non-illuminated mushroom push- buttons	Red	52RB3D2	
		buttoris	Green	52RB3D3	
			Yellow	52RB3D4	
			Blue	52RB3D5	
			Gray	52RB3D6	
			Orange	52RB3D8	
			1 kit of each	52RB3DN	
	Mushroom head cap - Plastic	For large 2 1/2" (63.5mm) type,	Black	52RB3E1	1
		non-illuminated mushroom push- buttons	Red	52RB3E2	
		buttoris	Green	52RB3E3	
			Yellow	52RB3E4	
			Blue	52RB3E5	
			Gray	52RB3E6	
			Orange	52RB3E8	
			1 kit of each	52RB3EN	
	Replacement lens for pilot light	s	Red	51RC4G2	1
W W	riepiacement iens for phot light	3	Green	51RC4G3	
	Glass lens		Blue	51RC4G5	
	Glass letis			51RC4G5 51RC4G9	
			Amber		
	Danie and Inna farment to		Clear	51RC4GA	_
	Replacement lens for push to test/illuminated pushbuttons		Red	51RC5G2	1
N N	•		Green	51RC5G3	
	Glass lens		Amber	51RC5G9	
	Guards Prevents accidental operation	Non-illuminated Pushbuttons & Push Pull Operators with Mushro Head Caps 1 5/8" to 1 3/4" in diame		51AAGM	1
	Lever inserts		Red	52RA2A2	1
	Short lever		Green	52RA2A3	
			Blue	52RA2A4	
66666			Amber	52RA2A5	
			Gray	52RA2A6	
			Orange	52RA2A8	
			White	52RA2AB	
	Long lever		Red	52RA2B2	1
	Long level		Green	52RA2B2 52RA2B3	
			Blue	52RA2B3 52RA2B4	
			Amber	52RA2B5	
				52RA2B5 52RA2B6	
			Gray		
			Orange	52RA2B8	
			White	52RA2BB	
	Padlock attachment	Only for raised pushbutton operators		51AAL	1
	Breather/drain (Stainless Steel)	Installs in bottom as a drain or in the top as a breather. Suitable for Class 1 groups C & D and for Class 2 groups F & G applications only. Fits 1/2" NPT.		51AADB	1
	Lock nut wrench	All devices		52MAWB	1
		550CH (1 key)		52KEY-550CH	1

Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Accessories and spare parts

Selection and ordering data						
	Version	Suitable for	Conduit size (in.)	Color	Order No.	Pack
			0/4 4/0		5444BB4	Unit
	Reducer bushings	Cast aluminum, UL recognized and CSA certified. Used to	3/4 - 1/2		51AARBA	1
		reduce existing tapered NPT conduit opening when required.	1 - 1/2		51AARCA	
			1 1/2 - 3/4		51AARDB	
			1 1/2 - 1		51AARDC	
Illina			2 1/2- 3/4		51AARFB	
Miller			2 1/2 - 1		51AARFC	
			2 1/2 - 1 1/2		51AARFD	
			2 1/2 - 2		51AARFE	
			3 - 1		51AARGC	
			3 - 1 1/2		51AARGD	
			3 - 2		51AARGE	
			3 - 2 1/2		51AARGF	
	Lamps with screw connection, incandescent lamps	miniature bayonet				
	Flashing, type 267 lamp (replaces 755 lamp)	51, 52	6V		52AABNF	1
	6V Full voltage, transformer type 755 lamp	51, 52	6V		52AABN	1
	12V full voltage, type 756	51, 52	12V		52AACN	1
	24V full voltage, 120/240V resistor push-to-test type 757	51, 52	24V		52AADN	1
	Neon (uses resistors) type B2A (NE-51H)	51, 52	120V		52AAPN	1
	120V, full voltage type 3S6/5	51, 52	120V		52AAENC	1
	LEDs, Single element	51, 52	6V	Red	52AEB2	1
		51, 52	6V	Green	52AEB3	
		51, 52	6V	Yellow	52AEB4	
		51, 52	6V	White	52AEBB	
		51, 52	6V	Blue	52AEB5	
		51, 52	24V	Red	52AED2	
		51, 52	24V	Green	52AED3	
		51, 52	24V	Yellow	52AED4	

51, 52

51, 52

51, 52

51, 52

51, 52

51, 52

51, 52

White

Blue

Red

Green

Yellow

White

Blue

24V

24V

120V

120V

120V

120V

120V

52AEDB

52AED5

52AEE2

52AEE3

52AEE4

52AEEB

52AEE5

1

2

3

4

5

7

8

10

Pushbutton Units and Indicator Lights Class 51, Hazardous Location NEMA Type 7 & 9 Devices

Accessories and spare parts

Selection and ordering data

•	Version	Suitable for	Conduit size (in.)	Color	Order No.	Pack
Rales	Touchsafe contact blocks	s with gold flashing				OTHE
-	1 NO				52BAK	1
52BAJ	1 NC				52BAJ 2)	
(4)	1 NO - 1 NC				52BJK ²⁾	
ocioci	1 NO early make	closes before 52BAK			52BAH	
-	1 NC late break	opens after 52BAJ			52BAE	
52BAK	1 NO - 1 NC	Reed switch			52BAR ¹⁾	
2 4		UL listed for class 1 division 2 .25A Max, 200V AC, 10 Watt max .5A Max, 200V DC, 10 Watt max				
52BAR	1 NC extra late break				52BAU	

① Hermetically sealed.

② Positive opening according to IEC 60947-5-1, Appendix K.

30 mm Heavy Duty, Watertight/Oiltight, Class 52

Pushbutton complete units

Features

- Octagonal Mounting Nuts
- Meets Type 1, 3, 3R, 4, 4X, 12, 13 and Automotive Standards
- Heavy Duty Rated NEMA A600/P600 Contacts
- Positively Driven Contacts
- Positive Indexing Selectors
- Bifurcated Movable Contacts
- Attractive Chrome Plating
- Boots Not Required for Type 4
- UL Listed File # E22655
- CSA Certified File # LR6535
- Touchsafe Terminals

Application

Oil tight pilot controls and accessories are designed to provide long, trouble free service in the most demanding industrial applications. These controls are oil and dust tight and meet Type 3, 4, 4X, 12 and 13 specifications.

Rugged

Industrial control operators are durable one piece castings. Heavy duty plastic buttons resist oils and corrosion. Silver contacts carry heavy duty ratings.

Flexible

Accessories modify standard push buttons, selector switches and pilot lights. Building block construction of contact blocks makes possible many circuitry combinations.

Industrial Appearance

Pilot controls add luster to panels. Chrome plating covers exposed metal parts.

Push Button Operators

The Operator Base consists of a durable, one piece casting equipped with a heavy duty actuator with a stainless steel spring, a neoprene actuator sealing ring to prevent oil and dust from penetrating to the contact blocks, a neoprene gasket to seal operator mounting hole and a chrome plated lock nut.

Mushroom Head Push Button Operators

The Mushroom Head base construction is identical to the push button base. The actuator is molded of high impact material for either a 1 5/8 inch or 2 1/2 inch diameter molded head.

E-STOP Mushroom Head Operators according to EN 60947-5-5 Cat. No. 52BP, 52BR, 52PP, and 52PR, 2 Position, Twist-To-Release & 2 Position, Push Pull Maintained operators provided with red operating heads and 52BJK contact blocks meet the requirements of EN 60947-5-5 for Electrical Emergency Stop Device With Mechanical Latching Function (e-stop).

Contact Blocks

Contact Blocks have double break bifurcated silver contacts, with gold flashing as standard, which improves contact reliability. Contact blocks are heavy duty rated NEMA A600 and suitable for applications down to 5V/1MA solid state outputs. 52BJK offers

→ Positive Opening Contacts according to IEC 60947-5-1, Appendix K. Molded bodies and pushers resist arcing and tracking. All units have stainless steel springs that resist corrosion and provide strong contact pressure. Captive mounting screws speed panel assembly.

Push Pull Operators

Push Pull Operators combine two or three functions in one unit. The maintained operator has two positions, typically pull to start, push to stop. The momentary operator with three positions provides spring return from both pull and push positions. In addition, a three position push maintained, pull momentary operator is available. The actuator come is 1 3/4 inch or 2 1/2 inch diameter and is available in an illuminated version.

2 Button Maintained Operator

Maintained Push Buttons consist of two push buttons and a latching assembly. When actuated the button remains depressed and is freed only by the release operator to which it is linked. The button assembly adjusts for mounting from a 1 13/16 inch to a 2 5/8 inch center.

Transformer Type Pilot Lights

Transformer Type Pilot Lights are available with a 120, 240, 480 or 600 Volt primary (50/60 Hertz) and a separate secondary winding which supplies reduced voltage to a miniature bayonet base 6 Volt lamp. These units are suitable for applications where vibration is present and long bulb life is desirable.

Full Voltage Type Pilot Lights

Full Voltage Pilot Lights are available for 6,12, 24 and 120 Volt AC and DC applications.

Electrical Ratings

NEMA AC Ratings 50/60Hz NEMA A600 10 Continuous Amps

Volts	Make	Break
120	60	6
240	30	3
480	15	1.5
600	12	1.2
VA	7200	720

Ordering Information

- Accessories: pages 10/166 10/169
- Selector Position and Contact Operation: page 10/164 10/165.
- Legend Plates: page 10/177.
- Enclosures: page 10/178.
- Technical Specifications: page 10/179.

Resistor Type Pilot Lights

Resistor Type Pilot Lights are available for 240 Volt AC and DC applications. The 240 Volt pilot light is supplied with a 120 Volt lamp and a voltage dropping resistor.

LED Type Pilot Lights

LED's (light emitting diodes) can be used in pilot lights instead of incandescent bulbs because of their long life (up to 10 years), resistance to vibration and ambient sensitivity. Clusted LED options are available for standard pilot lights only. Cluster LED options are not available on Push to test Pilot Lights, Illuminated Pushbuttons, Push-pull, or Twist-to-Release Operators.

Integrated LED Module Type Pilot Lights

The integrated LED module is available for 24, 120, and 240 V. LED modules are vibration resistant and have a long life (up to 10 years). The integrated LED module is available for 24, 120, and 240 V. LED modules are vibration resistant and have a long life (up to 10 yrs.).

Selector Operators

Selector Operators have positive action indexing. Operators are available with either a short or long lever. The molded black lever is designed to accept a color insert. A white insert is provided as standard. Each operator is equipped with a cam to actuate plungers of contact blocks assembled behind the operator. Two, three and four position operators are available with seven different cams.

Lever color inserts are available in 8 colors.





Push Button



Selector Switch



Selector Push Button

Indicator Light

Siemens Industry, Inc. Industrial Controls Catalog 10/143

Push Buttons & Signaling Devices 30mm Water, Oil Tight & Corrosion Resistant – Class 52

Revised 08/15/14

Push Button

Selection Guid

Momentary Push Button - Non-Illuminated









Flush Head

Extended Head

Large Mushroom Head 2 1/2"

Small Mushroom Head 1 3/4"

Part Number	52		M			
r art rtamber		a	b	C	d	e ¹

а	Code	Finish
	Р	Chrome - Command 52
	В	Epoxy Coated - Black Max
b	Code	Туре
	М	Momentary Push Button
C	Code	Style / Head Type
		Flush / Extended Cap ²
	8A	Flush
	8B	Extended
		Mushroom Head Metal
	9A	Small Mushroom Head 1 3/4" (44.5mm)
		Mushroom Head Plastic
	9W	Small Mushroom Head 1 3/4" (44.5mm)
	9V	Large Mushroom Head 2 1/2" (63.5mm)

d	Code	Plastic	Metal
	1	Black	_
	2	Red	Red
	3	Green	Green
	4	Yellow	_
	5	Blue	_
	6	Gray	_
	7	All Color Caps	_
	8	Orange	_
	С	_	Chrome

e ¹	Code	Contact Blocks
	Α	1 NO + 1 NC
	В	2 NO + 2 NC
	С	3 NO + 3 NC
	D	4 NO + 4 NC
	Е	1 NC (LB)
	F	2 NO
	G	2 NC
	Н	1NO (EM)
	J	1 NC
	K	1 NO

¹ For operator without contact blocks leave position e blank.

² Products available fall 2014. For current product offer please refer to the 2010 Industrial Control Catalog.

Push Buttons

Selection Tables

Momentary Push Button - Non-Illumniated

				Finish
Head Style	Contacts	Color	Chrome	Black Max
		Less cap	52PM8	52BM8
		Black	52PM8A1	52BM8A1
	_	Red	52PM8A2	52BM8A2
		Green	52PM8A3	52BM8A3
		Yellow	52PM8A4	52BM8A4
		Black	52PM8A1A	52BM8A1A
ilush	1 NO - 1 NC	Red	52PM8A2A	52BM8A2A
		Green	52PM8A3A	52BM8A3A
		Black	52PM8A1K	52BM8A1K
	1 NO	Red	52PM8A2K	52BM8A2K
		Green	52PM8A3K	52BM8A3K
	1 NC	Red	52PM8A2J	52BM8A2J
		Black	52PM8B1	52BM8B1
	_	Red	52PM8B2	52BM8B2
		Green	52PM8B3	52BM8B3
extended	1 NO	Black	52PM8B1K	52BM8B1K
	1 NO	Red	52PM8B2K	52BM8B2K
	1 NC	Red	52PM8B2J	52BM8B2J
		Less cap	52PM9	52BM9
	_	Red	52PM9W2	52BM9W2
Mushroom	1 NO	Green	52PM9W3K	52BM9W3K
Head Plastic ð 1 3/4"	1 NO 1 NO	Black	52PM9W1A	52BM9W1A
	1 NO - 1 NC	Red	52PM9W2A	52BM9W2A
	1 NO - 1 NC	Green	52PM9W3A	52BM9W3A
	_	Red	52PM9V2	52BM9V2
Mushroom		Black	52PM9V1A	52BM9V1A
Head Plastic 3 2 1/2"	1 NO - 1 NC	Red	52PM9V2A	52BM9V2A
		Green	52PM9V3A	52BM9V3A

Readily available items are in **bold**.

This is a small representation of stocked items.

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Push Buttons & Signaling Devices

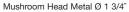
30mm Water, Oil Tight & Corrosion Resistant - Class 52

Non-Illuminated Push Pull

Selection Guide

2 & 3 Position Push-Pull Mushroom Head Devices - Non-Illuminated







Mushroom Head Plastic Ø 2 1/2"



Mushroom Head Plastic Ø 1 3/4"

Part Number	52				d	е	f³
-------------	----	--	--	--	---	---	----

а	Code	Finish
•	Р	Chrome-Command 52
	В	Epoxy Coated-Black Max
b	Code	Туре
	Р	Push Pull

C	Code	Function			
	2	2 positions - maintained ¹			
	3	3 positions - momentary in - momentary out			
	7	3 positions - maintained in - momentary out			

d	Code	Style
•	Α	Small metal 1-3/4" (44.5 mm)
	W	Small plastic 1-3/4" (44.5 mm)
	V	Large plastic 2-1/2" (63.5 mm)

е	Code	Col	or
		Plastic	Metal
	1	Black	_
	2	Red ¹	Red ¹
	3	Green	Green
	4	Yellow	_
	5	Blue	_
	6	Gray	_
	8	Orange	_
	С	_	Chrome
		No Operati	ing Head
	Z	No he	ead

f 3	Code	Contact Blocks
		2 Position
	Α	1 NO + 1 NC ¹
	В	2 NO + 2 NC ¹
	С	3 NO + 3 NC ¹
	D	4 NO + 4 NC ¹
	E	1 NC (LB)
	F	2 NO
	G	2 NC ¹
	Н	1 NO (EM)
	J	1 NC ¹
	K	1 NO
	Q	1 NO - 1 NC (ELB)
		3 Position
	U	1 NO - 1 NC extra late break ²

¹ EMERGENCY-STOP control devices according to IEC 60947-5-5 when provided with red operating head and positively driven NC contact blocks. Positive opening contacts according to IEC 60947-5-1, Appendix K.

² Blocks cannot be interchanged (stop-start circuit - pull to start, push to stop).

³ For operator without contact blocks leave position f blank.

3 pos - momentary in - momentary out

Non-Illuminated Push Pull

Selection Tables

2 & 3 Position Push-Pull Mushroom Head Devices - Non-Illuminated

		Metal	Metal Ø 1 3/4"		Ø 1 3/4"	Plastic Ø 2 1/2"	
Contacts	Color	Chrome	Black Max	Chrome	Black Max	Chrome	Black Max
_	Black	_	_	52PP2W1	52BP2W1	52PP2V1	2BP2V1
	Red	52PP2A2	52BP2A2	52PP2W2	52BP2W2	52PP2V2	52BP2V2
	Green	52PP2A3	52BP2A3	52PP2W3	52BP2W3	52PP2V3	52BP2V3
	Yellow	_	_	52PP2W4	52BP2W4	52PP2V4	52BP2V4
	Red	52PP2A2A1	52BP2A2A1	52PP2W2A1	52BP2W2A1	52PP2V2A1	52BP2V2A1
1 NO - 1 NC	Green	52PP2A3A	52BP2A3A	52PP2W3A	52BP2W3A	52PP2V3A	_
	Yellow	_	_	52PP2W4A	52BP2W4A	52BP2V4A	52BP2V4A
	Chrome	52PP2ACA	52BP2ACA	_	_	_	_

		Metal 6	Metal Ø 1 3/4"		Plastic Ø 1 3/4"		Ø 2 1/2"		
Contacts	Color	Chrome	Black Max	Chrome	Black Max	Chrome	Black Max		
	Black	_	_	52PP3W1	52BP3W1	52PP3V1	52BP3V1		
	Red	52PP3A2	52BP3A2	52PP3W2	52BP3W2	52PP3V2	52BP3V2		
_	Green	52PP3A3	52BP3A3	52PP3W3	52BP3W3	52PP3V3	2BP3V3		
	Chrome	52PP3AC	52BP3AC	_	_	_	_		
1 NO - 1 NCELB	Red	52PP3A2U	52BP3A2U	52PP3W2U	52BP3W2U	52PP3V2U	52BP3V2U		
TINO - TINGELB	Green	52PP3A3U	52BP3A3U	52PP3W3U	52BP3W3U	52PP3V3U	52BP3V3U		

		3 pos - maintained in - momentary out							
		Metal 6	Metal Ø 1 3/4"		Plastic Ø 1 3/4"		Ø 2 1/2"		
Contacts	Color	Chrome	Black Max	Chrome	Black Max	Chrome	Black Max		
	Black	_	_	52PP7W1	52BP7W1	52PP7V1	52BP7V1		
	Red	52PP7A2	52BP7A2	52PP7W2	52BP7W2	52PP7V2	52BP7V2		
_	Green	52PP7A3	52BP7A3	52PP7W3	52BP7W3	52PP7V3	52BP7V3		
	Chrome	52PP7AC	52BP7AC	_	_	_	_		
1 NO - 1 NCELB	Red	52PP7A2U1	52BP7A2U	52PP7W2U	52BP7W2U	52PP7V2U	52BP7V2U		
TINO - TINOELB	Green	52PP7A3U	52BP7A3U	52PP7W3U	52BP7W3U	52PP7V3U	52BP7V3U		

Readily available items are in **bold**.

This is a small representation of stocked items.

¹ EMERGENCY-STOP control devices according to IEC 60947-5-5

Push Buttons & Signaling Devices

30mm Water, Oil Tight & Corrosion Resistant - Class 52

Revised 11/15/14

Illuminated Push Pull & Push Button

Selection Guide

2 & 3 Position Push-Pull Mushroom Head Devices - Illuminated







Mushroom Head Plastic Ø 2 1/2"



Mushroom Head Plastic Ø 1 3/4"

Part Number	52		P					
		a	b	C	d	е	f	g

а	Code	Finish
Р		Chrome-Command 52
	В	Epoxy Coated-Black Max

b	Code	Туре			
	Р	Push Pull Operator			

C	Code	Function		
	2	2 positions - maintained ¹		
	3	3 positions - momentary in - momentary out ²		
	7	3 positions - maintained in - momentary out ²		

d	Code	Operation			
		Full Voltage ³ (AC/DC)			
		Incandescent	LED ⁴		
	В	6-8V	6V		
	С	12-13V	_		
	D	24-28V	24-28V		
	Е	120V	120V		
	F	_	240V		
		Transforr	mer ³		
	G	120V A	С		
	Н	240V A	С		
	J	480V A	С		
	K	600V A	С		

	f Code	Contact Blocks
Transformer ³		2 Position
120V AC	Δ	1 NO + 1 NC ¹
240V AC	A B	2 NO - 2 NC ¹
480V AC	F	2 NO
600V AC	G	2 NC ¹
	J	1 NC ¹
	K	1 NO
	Q	1 NO - 1 NC (ELB)
		3 Position
according to IEC 60947-5-5 when provided with	- 11	1 NO. 1 NO outro loto brooks

1 EMERGENCY-STOP control device red operating head and positively driven NC contact blocks.

Positive opening contacts according to IEC 60947-5-1, Appendix K,

- 2 Blocks cannot be interchanged (stop-start circuit pull to start, push to stop).
- 3 Default bulb type is incandescent. For LED options, append field g. LED option not available on units sold "no head".
- 4 LED voltages apply to table g option code B and Y. 6V and 120V are currently AC only. Replaced by AC/DC rated versions end of 2014.
- 5 Not available in 240V.

е	Code	Style / Color
		Mushroom Head Metal Ø 1 3/4" (44.5mm)
	2	Red ¹
	3	Green
	5	Blue
	9	Amber
	Α	Clear
	В	White
		Mushroom Head Plastic Ø 1 3/4" (44.5 mm)
	R	Red ¹
	S	Green
	T	Amber
		Mushroom Head Plastic Ø 2 1/2" (63.5mm)
	D	Red ¹
	Е	Green
	F	Amber
		No Head (full voltage & transformer only)
	Z	No head

f	Code	Contact Blocks
		2 Position
	Α	1 NO + 1 NC ¹
	В	2 NO - 2 NC ¹
	F	2 NO
	G	2 NC ¹
	J	1 NC ¹
	K	1 NO
	Q	1 NO - 1 NC (ELB)
		3 Position
	U	1 NO - 1 NC extra late break ²

g	Code	Bulb Type		
9	Blank	Incandescent		
	В	LED		
	Υ	Super-Bright LED ⁵		

Illuminated Push Pull

52BP2GSA

Selection Tables

Type

Full Voltage (AC/DC)

Transformer (AC)

				Operator Type				
					2 pos - maintained			
				Metal 9	ð 1 3/4"	Plastic	Ø 1 3/4"	
Lamp Type	Voltage	Color	Contacts	Chrome	Black Max	Chrome	Black Max	
LED	0.417	Red	1 NO - 1 NC	52PP2D2AB1	52BP2D2AB1	52PP2DRAB1	52BP2DRAB1	
LED	24V	Green	1 NO - 1 NC	52PP2D3AB	52BP2D3AB	52PP2DSAB	52BP2DSAB	
	24V	Red	1 NO - 1 NC	52PP2D2A1	52BP2D2A ¹	52PP2DRA ¹	52BP2DRA1	
Incondessent		Green	1 NO - 1 NC	52PP2D3A	52BP2D3A	52PP2DSA	52BP2DSA	
Incandescent	120V	100//	Deal	1 NO - 1 NC	52PP2E2A ¹	52BP2E2A ¹	52PP2ERA ¹	52BP2ERA ¹
		Red	_	52PP2E2	52BP2E2	52PP2ER	52BP2ER	
LED	1001/	Red	1 NO - 1 NC	52PP2G2AB1	52BP2G2AB1	52PP2GRAB1	52BP2GRAB1	
	120V	Green	1 NO - 1 NC	52PP2G3AB	52BP2G3AB	52PP2GSAB	52BP2GSAB	
Incandescent	100//	Red	1 NO - 1 NC	52PP2G2A ¹	52BP2G2A ¹	52PP2GRA ¹	52BP2GRA ¹	
	120V	_	4 110 4 110				50000004	

52PP2G3A

Туре	Lamp Type	Voltage	Color	Contacts
	LED	24V	Green	1 NO - 1 NCELB
Full Voltage	Incandescent	24V	Green	1 NO - 1 NCELB
(AC/DC)			Red	1 NO - 1 NCELB
		120V	Red	_
	LED	120V	Red	1 NO - 1 NCELB
Transformer	LED		Green	1 NO - 1 NCELB
(AC)	Incandescent	120V	Red	1 NO - 1 NCELB
	incandescent	12UV	Green	1 NO - 1 NCFLB

Green

1 NO - 1 NC

	Metal @	ð 1 3/4"	Plastic Ø 1 3/4"			
	Chrome	Black Max	Chrome	Black Max		
3	52PP3D3UB	52BP3D3UB	52PP3DRUB	52BP3DRUB		
3	52PP3D3U	52BP3D3U	52PP3DSU	52BP3DSU		
3	52PP3D2U	52BP3D2U	52PP3DRU	52BP3DRU		
_	52PP3E2	52BP3E2	52PP3ER	52BP3ER		
3	52PP3G2UB	52BP3G2UB	52PP3GRUB	52BP3GRUB		
3	52PP3G3UB	52BP3G3UB	52PP3GSUB	52BP3GSUB		
3	52PP3G2U	52BP3G2U	52PP3GRU	52BP3GRU		
3	52PP3G3U	52BP3G3U	52PP3GRU	52BP3GRU		

Туре	Lamp Type	Voltage	Color	Contacts
	LED	24V	Green	1 NO - 1 NCELB
Full Voltage		24V	Green	1 NO - 1 NCELB
(AC/DC)	Incandescent		Red	1 NO - 1 NCELB
		120V	Red	_
	LED	120V	Red	1 NO - 1 NCELB
Transformer			Green	1 NO - 1 NCELB
(AC)	Incandescent	120V	Red	1 NO - 1 NCELB
	iricaridescent		Green	1 NO - 1 NCELB

Readily available items are in **bold**.

Siemens Industry, Inc.

Industrial Controls Catalog

This is a small representation of stocked items.

Operator Type

3 pos - momentary in - momentary out

52PP2GSA

52BP2G3A

Operator Type 3 pos - maintained in - momentary out

Metal	Ø 1 3/4"	Plastic Ø 1 3/4"		
Chrome	Black Max	Chrome	Black Max	
52PP7D3UB	52BP7D3UB	52PP7DSUB	52BP7DSUB	
52PP7D3U	52BP7D3U	52PP7DSU	52BP7DSU	
52PP7D2U	52BP7D2U	52PP7DRU	52BP7DRU	
52PP7E2	52BP7E2	52PP7ER	52BP7ER	
52PP7G2UB	52BP7G2UB	52PP7GRUB	52BP7GRUB	
52PP7G3UB	52BP7G3UB	52PP7GSUB	52BP7GSUB	
52PP7G2U	52BP7G2U	52PP7GRU	52BP7GRU	
52PP7G3U	52BP7G3U	52PP7GRU	52BP7GRU	

¹ EMERGENCY-STOP control devices according to IEC 60947-5-5

Push Buttons & Signaling Devices

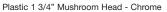
30mm Water, Oil Tight & Corrosion Resistant - Class 52

Non-Illuminated Twist-to-Release

Selection Guide

2 Position Twist-to-Release Devices Mushroom Head - Non-Illuminated







Plastic 1 3/4" Mushroom Head - Black Max

Part Number

52

____a

R b 8 C W d

<u>е</u>



Finish	Function	Style	Color	Contacts	Part Number
Chrome	2 Position Twist-to-Release	Plastic 1 3/4" Mushroom Head	Red	1 NO - 1 NC	52PR8W2A
Black Max	2 Position Twist-to-Release	Plastic 1 3/4" Mushroom Head	Red	1 NO - 1 NC	52BR8W2A
Chrome	2 Position Twist-to-Release	Plastic 1 3/4" Mushroom Head	Red	None	52PR8W2

Readily available items are in bold.

This is a small representation of stocked items.

а	Code	Finish
•	Р	Chrome-Command 52
	В	Epoxy Coated-Black Max
b	Code	Function
	R	2 Position Twist-to-Release, Maintained ¹
C	Code	Style
	8	Plastic 1 3/4" Mushroom Head
d	Code	Lamp Type
	W	Non-Illuminated

е	Code	Color			
	2	Red ¹			
	3	Green			
	4	Yellow			
	Z	No head			

f 2	Code	Contact Blocks			
	Α	1 NO + 1 NC ¹			
	В	2 NO + 2 NC ¹			
	С	3 NO + 3 NC ¹			
	D	4 NO + 4 NC ¹			
	E	1 NC (LB)			
	F	2 NO			
	G	2NC ¹			
	Н	1NO (EM)			
	J	1 NC ¹			
	K	1 NO			

¹ EMERGENCY-STOP control devices according to IEC 60947-5-5 when provided with red operating head and positively driven NC contact blocks. Positive opening contacts according to IEC 60947-5-1, Appendix K.

² For operator without contact blocks leave position f blank.

Push Buttons & Signaling Devices

30mm Water, Oil Tight & Corrosion Resistant - Class 52

Illuminated Twist-to-Release

Selection Guide

2 Position Twist-to-Release Mushroom Head Devices - Illuminated







Plastic 1 3/4" Mushroom Head - Black Max

Part Number	52		R	8				
, are realised		a	b	C	d	е	f	g

Finish	Style	Voltage	Bulb Type	Color	Contacts	Part Number
Chrome	Plastic 1 3/4" Mushroom Head	24V	LED	Red	1 NO - 1 NC	52PR8DRAB
Chrome	Plastic 1 3/4" Mushroom Head	120V	Incandescent	Red	1 NO - 1 NC	52PR8ERA
Chrome	Plastic 1 3/4" Mushroom Head	120V	LED	Red	1 NO - 1 NC	52PR8GRAB

Readily available items are in bold.

This is a small representation of stocked items.

a	Code	Finish
o o	Р	Chrome-Command 52
	В	Epoxy Coated-Black Max
b	Code	Function
	R	2 Position Twist-to-Release, Maintained
C	Code	Style
	8	Plastic 1 3/4" Mushroom Head
d	Code	Operation
d	Code	Operation Full Voltage ² (AC/DC)

В	6-8V	6V
С	12-13V	_
D	24-28V	24-28V
Е	120V	120V
F	_	240V
	Transfo	rmer ²
G	Transfo	
G H		AC
	120V	AC AC
Н	120V 240V	AC AC AC

g	Code	Bulb Type
	K	1 NO
	J	1 NC ¹
	Н	1NO (EM)
	G	ZINO

Industrial Controls Catalog

e	Code	Color
	R	Red ¹
	S	Green
	Т	Amber
	Z	No head

f	Code	Contact Blocks
	Α	1 NO + 1 NC ¹
	В	2 NO + 2 NC ¹
	С	3 NO + 3 NC ¹
	D	4 NO + 4 NC ¹
	Е	1 NC (LB)
	F	2 NO
	G	2NC ¹
	Н	1NO (EM)
	J	1 NC ¹
	K	1 NO

g	Code	Bulb Type
3	Blank	Incandescent
	В	LED
	Υ	Super-Bright LED ⁴

¹ EMERGENCY-STOP control devices according to IEC 60947-5-5 when provided with red operating head and positively driven NC contact blocks. Positive opening contacts according to IEC 60947-5-1, Appendix K, Molded bodies.

² Default bulb type is incandescent. For LED options, append field g. LED option not available on units sold "no head."

³ LED voltages apply to table g option code B and Y. 6V and 120V are currently AC only. Replaced by AC/DC rated versions end of 2014.

⁴ Not available in 240V.

Revised 11/15/14

Indicator Light

Selection Guide

Indicator Light





Part Number	52		L_				
		a	b	C	d	е	f

а	Code	Finish
•	Р	Chrome-Command 52
	В	Epoxy Coated-Black Max

b	Code	Туре
	L	Indicator Light

C	Code	Style
	4	Plastic Lens
	5	Glass Lens

d	Code	Operation	on
		Full Voltage ¹ (AC/DC)
		Incandescent	LED ²
	В	6-8V	6V
	С	12-13V	_
	D	24-28V	24-28V
	Е	120V	120V
	F	_	240V
		Transform	ner ¹
	G	120V AC	;
	Н	240V AC	;
	J	480V AC	
	K	600V AC)

	Code	Color
е	2	Red
	3	Green
	5	Blue
	7	All Colors
	9	Amber
	Α	Clear
	В	White
	N	No Lens

f	Code	Bulb Type
	Blank	Incandescent
	XB	LED
	XY	Super-Bright LED ³

¹ Default bulb type is incandescent. For LED options, append field f. LED option not available on units sold "No Lens".

² LED voltages apply to table f option code XB and XY. 6V, 24V (Super Bright only) and 120V are currently AC only. Replaced by AC/DC rated versions end of 2014.

³ Not available in 240V.

Selection Tables

Indicator Light

				Plas	stic Lens
Туре	Lamp Type	Voltage	Color	Chrome	Black Max
			Red	52PL4D2XB	52BL4D2XB
			Green	52PL4D3XB	52BL4D3XB
		24V	Blue	52PL4D5XB	52BL4D5XB
			Amber	52PL4D9XB	52BL4D9XB
	LED		White	52PL4DBXB	52BL4DBXB
	LED		Red	52PL4E2XB	52BL4E2XB
			Green	52PL4E3XB	52BL4E3XB
		120V	Amber	52PL4E9XB	52BL4E9XB
			Clear	52PL4EAXB	52BL4EAXB
ull Voltage			White	52PL4EBXB	52BL4EBXB
AC/DC)			Red	52PL4D2	52BL4D2
			Green	52PL4D3	52BL4D3
		0.41./	Blue	52PL4D5	52BL4D5
		24V	Amber	52PL4D9	52BL4D9
	Incandescent		White	52PL4DB	52BL4DB
			No Lens	52PL4DN	52BL4DN
		120V	Red	52PL4E2	52BL4E2
			Green	52PL4E3	52BL4E3
			Amber	52PL4E9	52BL4E9
			No Lens	52PL4EN	52BL4EN
	LED	120V	Red	52PL4G2XB	52BL4G2XB
			Green	52PL4G3XB	52BL4G3XB
			Amber	52PL4G9XB	52BL4G9XB
			White	52PL4GBXB	52BL4GBXB
			Red	52PL4J2XB	52BL4J2XB
		480V	Green	52PL4J3XB	52BL4J3XB
			White	52PL4JBXB	52BL4JBXB
			Red	52PL4G2	52BL4G2
ransformer AC)			Green	52PL4G3	52BL4G3
٦٥)		120V	Amber	52PL4G9	52BL4G9
			White	52PL4GB	52BL4GB
			No Lens	52PL4GN	52BL4GN
	Incandescent	0.40\/	Red	52PL4H2	52BL4H2
		240V	Green	52PL4H3	52BL4H3
			Red	52PL4J2	52BL4J2
		480V	Green	52PL4J3	52BL4J3
			Amber	52PL4J9	52BL4J9

Readily available items are in **bold**.

This is a small representation of stocked items.

Indicator Lights

Push Buttons & Signaling Devices

30mm Water, Oil Tight & Corrosion Resistant - Class 52

• Revised • 11/15/14

Illuminated Push Button & Push-to-Test

Selection Guide

Push Button & Push-to-Test - Illuminated



Extended Lens



Flush Lens

Part Number	52		T					
		a	b	C	d	е	Ť	g

а	Code	Finish
	Р	Chrome-Command 52
	В	Epoxy Coated-Black Max
		· · · · · · · · · · · · · · · · · · ·

b	Code	Function
	Т	Illuminated Push Button / Push-to-Test ¹

C	Code	Style
	6	Extended Lens
	8	Flush Lens ²

d	Code	Operati	on
		Full Voltage ³ (AC/DC)
		Incandescent	LED ⁴
	В	6-8V	6V
	С	12-13V	_
	D	24-28V	24-28V
	Е	120V	120V
	F	_	240V
		Transform	ner ³
	G	120V AC	
	Н	240V AC	
	J	480V AC	
	K	600V AC	

1	For push-to-test	functionality,	wire	according t	to	wiring	diagram	below.
---	------------------	----------------	------	-------------	----	--------	---------	--------

² Products available fall 2014.

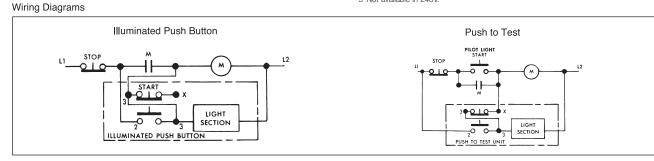
е	Code	Color
	2	Red
	3	Green
	5	Blue
	7	All Colors
	9	Amber
	Α	Clear
	В	White
	N	No Lens

f	Code	Contact Blocks
	Α	1 NO - 1 NC
	В	2 NO + 2 NC
	С	3 NO + 3 NC
	D	4 NO + 4 NC
	Е	1 NC (LB)
	F	2 NO
	G	2 NC
	Н	1NO (EM)
	J	1 NC
	K	1 NO

g	Code	Bulb Type
3	Blank	Incandescent
	В	LED
	Υ	Super-Bright LED ⁵

³ Default bulb type is incandescent. For LED options, append field g. LED option not available on units sold "No Lens".

⁵ Not available in 240V



⁴ LED voltages apply to table g option code B and Y.
6V and 120V are currently AC only. Replaced by AC/DC rated versions end of 2014.

Illuminated Push Buttons & Push-to-Test

Selection Tables

Push Button & Push-to-Test - Illuminated

					Exter	nded Lens
Туре	Lamp Type	Voltage	Color	Contacts	Chrome	Black Max
			Red	1 NO - 1 NC	52PT6D2AB	52BT6D2AB
			Green	1 NO - 1 NC	52PT6D3AB	52BT6D3AB
		24V	Blue	1 NO - 1 NC	52PT6D5AB	52BT6D5AB
	LED		Amber	1 NO - 1 NC	52PT6D9AB	52BT6D9AB
			White	1 NO - 1 NC	52PT6DBAB	52BT6DBAB
		100\/	Red	1 NO - 1 NC	52PT6E2AB	52BT6E2AB
Full Voltage		120V	Green	1 NO - 1 NC	52PT6E3AB	52BT6E3AB
(AC/DC)			Red	1 NO - 1 NC	52PT6D2A	52BT6D2A
			Green	1 NO - 1 NC	52PT6D3A	52BT6D3A
		24V	Blue	1 NO - 1 NC	52PT6D5A	52BT6D5A
	Incandescent		Amber	1 NO - 1 NC	52PT6D9A	52BT6D9A
			White	1 NO - 1 NC	52PT6DBA	52BT6DBA
		120V	Red	1 NO - 1 NC	52PT6E2A	52BT6E2A
		1200	Green	1 NO - 1 NC	52PT6E3A	52BT6E3A
			Red	1 NO - 1 NC	52PT6G2AB	52BT6G2AB
		120V	Green	1 NO - 1 NC	52PT6G3AB	52BT6G3AB
	LED	1200	Amber	1 NO - 1 NC	52PT6G9AB	52BT6G9AB
	LED		White	1 NO - 1 NC	52PT6GBAB	52BT6GBAB
		240V	Red	1 NO - 1 NC	52PT6H2AB	52BT6H2AB
		2400	Green	1 NO - 1 NC	52PT6H3AB	52BT6H3AB
ransformer AC)			Red	1 NO - 1 NC	52PT6G2A	52BT6G2A
,,			Green	1 NO - 1 NC	52PT6G3A	52BT6G3A
		120V	Amber	1 NO - 1 NC	52PT6G9A	52BT6G9A
	Incandescent		White	1 NO - 1 NC	52PT6GBA	52BT6GBA
			No Lens	1 NO - 1 NC	52PT6GNA	52BT6GNA
		240V	Green	1 NO - 1 NC	52PT6H3A	52BT6H3A
		480V	Clear	1 NO - 1 NC	52PT6JAA	52BT6JAA

Readily available items are in **bold**.

This is a small representation of stocked items.

Push Buttons & Signaling Devices

30mm Water, Oil Tight & Corrosion Resistant - Class 52

Revised11/15/14

Illuminated Push Button

Selection Guide

Push Button Mushroom Head Devices - Illuminated⁴







Mushroom Head Plastic Ø 2 1/2"



Mushroom Head Plastic Ø 1 3/4"

Part Number	52		T	9				
Tart Number		a	b	C	d	е	f	g

а	Code	Finish
•	Р	Chrome-Command 52
	В	Epoxy Coated-Black Max

h	Code	Туре
~	Т	Push Button Operator

C	Code	Function
	9	2 positions – momentary in

d	Code	Operat	ion	
		Full Voltage ² (AC/DC)		
		Incandescent	LED ³	
	В	6-8V	6V	
	С	12-13V	_	
	D	24-28V	24-28V	
	E	120V	120V	
	F	_	240V	
		Transfor	mer ²	
	G	120V A	(C	
	Н	240V A	vC	
	J	480V A	(C	
	K	600V A	vC	

е	Code	Style / Color
		Mushroom Head Metal Ø 1 3/4" (44.5mm)
	2	Red ¹
	3	Green
	5	Blue
	9	Amber
	Α	Clear
	В	White
		Mushroom Head Plastic Ø 1 3/4" (44.5 mm)
	R	Red
	S	Green
	Т	Amber
		Mushroom Head Plastic Ø 2 1/2" (63.5mm)
	D	Red ¹
	Е	Green
	F	Amber
		No Head (full voltage & transformer only)
	Z	No head

f	Code	Contact Blocks
•	Α	1 NO + 1 NC
	В	2 NO + 2 NC
	С	3 NO + 3 NC
	D	4 NO + 4 NC
	Е	1 NC (LB)
	F	2 NO
	G	2 NC
	Н	1NO (EM)
	J	1 NC
	K	1 NO

g	Code	Bulb Type	
3	Blank	Incandescent	
	В	LED	
	Υ	Super-Bright LED ⁵	

¹ Positive opening according to IEC 60947-5-1, Appendix K.

² Default bulb type is incandescent. For LED options, append field g. LED option not available on units sold "no head".

³ LED voltages apply to table g option code B and Y. 6V and 120V are currently AC only. Replaced by AC/DC rated versions end of 2014.

⁴ Products available fall 2014.

⁵ Not available in 240V.

Illuminated Selector Switches

Selection Guide

Selector Switches - Illuminated



Short Lever - Chrome

3 Position: CAM C

Epoxy Coated - Black Max



Short Lever - Black Max

Chrome

Maintained

No Insert

None

52SA7CGN

Finish	Style	Cam Type	Function	Color	Contacts	Part Number
T IIIIIOII	Otylo	oum type	Turiotion	00101	Contacto	T di C Marrison
Chrome	Maintained	2 Position: CAM A	24-28V AC/DC	No Insert	None	52SA7ADN
011101110		Z 1 CORROTT. C/ W17 (ETEOVITO/DO	140 1110011	140110	OZOF II TIBIT
Chrome	Maintained	2 Position: CAM A	120V AC (Transformer)	No Insert	None	52SA7AGN

120V AC

Readily available items are in **bold**. This is a small representation of stocked items.

Х

a	Code	Туре		
<u> </u>	S	Selector Switch		
b	Code	Finish		
	Α	Chrome - Command 52		

C	Code	Style	
	7	Maintained	

Ь	Code	Function	
u	Α	2 Position: CAM A	
	В	3 Position: CAM B	
	С	3 Position: CAM C	

е	Code	Operation		
		Full Voltage ¹	(AC/DC)	
		Incandescent	LED ²	
	В	6-8V	6V	
	С	12-13V	_	
	D	24-28V	24-28V	
	E	120V	120V	
	F	_	240V	
		Transfor	mer ¹	
	G	120V	AC .	
	Н	240V /	AC .	
	J	480V AC		
	K	600V	AC	

¹ Default bulb type is incandescent. For LED options, append field i. LED option not available on units sold "no head".

Code	Color
2	Red
3	Green
5	Blue
9	Amber
Α	Clear
N	No Insert
	2 3 5 9

g	Code	Contact Blocks	
9	Α	1 NO - 1 NC	
	E	1 NC (LB)	
	Н	1 NO (EM)	
	J	1 NC	
	K	1 NO	

h	Code	Contact Quantity & Location						
		Left	Right					
	0	1	_					
	1	_	1					
	2	1	1					
	3	2	_					
	4	_	2					
	5	2	1					
	6	1	2					
	7	2	2					
	8	3	_					
	9	_	3					

1	Code	Bulb Type
	Blank	Incandescent
	В	LED
	Υ	Super-Bright LED ³

For CAM selection see page 10/164.

² LED voltages apply to table i option code B and Y. 6V and 120V are currently AC only. Replaced by AC/DC rated versions end of 2014.

³ Not available in 240V.

Revised 08/15/14

Non-Illuminated Selector Switch

Selection Guide

Code

Selector Switch - Non-Illuminated



Type



Part Number	52	S		2					
r art Hamber		a	b	C	d	е	f	\mathbf{g}^2	h ²

	S	Selector Switch					
	Code	Finish					
b	Code	Finish					
	Α	Chrome - Short Lever					
	В	Chrome - Long Lever					
	Χ	BlackMax - Short Lever					
	W	BlackMax - Long Lever					

C	Code	Style
	2	Non-Illuminated

d	Code	Function
	Α	2 Position: CAM A
	В	3 Position: CAM B
	С	3 Position: CAM C ¹
	D	3 Position: CAM D
	E	3 Position: CAM E
	G	3 Position: CAM G
	Н	4 Position: CAM H

е	Code	Туре			
		2 Positi	ion		
		Maintained	Spring Return		
	Α	All	_		
	С	Left	Right		
		3 Position			
		Maintained	Spring Return		
	Α	All	_		
	В	Center, Right	Left		
	С	Center, Left	Right		
	D	Center	Left, Right		
		4 Positi	ion		
		Maintained Position	Spring Return		
	Α	All	_		

f	Code	Color
	2	Red
	3	Green
	4	Yellow
	5	Blue
	6	Gray
	8	Orange
	В	White
	N	No Insert (Black)

\mathbf{g}^2	Code	Contact Blocks
	Α	1 NO - 1 NC
	Е	1 NC (LB)
	Н	1 NO (EM)
	J	1 NC
	K	1 NO

2	Code	Contact Quan	tity & Location
		Left	Right
	0	1	_
	1	_	1
	2	1	1
	3	2	_
	4	_	2
	5	2	1
	6	1	2
	7	2	2
	8	3	_
	9	_	3

¹ C CAM on spring return selectors is limited to 4 contact blocks. For CAM selection see page 10/164.

² For operator without contact blocks leave positions g and h blank.

Non-Illuminated Selector Switch

Selector Switch, Non-Illuminated1)

		Switch	Position	Туре	Chrome		Black Max	
Contact Type	Contact	Left	Right	M = Maintained S = Spring Return	Short Lever	Long Lever	Short Lever	Long Lever
		S	Ø			2-Position	Operator	
No Contacts				ММ	52SA2AAB	52SB2AAB	52SX2AAB	52SW2AAB
No Contacts	_		_	M <s< td=""><td>52SA2ACB</td><td>52SB2ACB</td><td>52SX2ACB</td><td>52SW2ACB</td></s<>	52SA2ACB	52SB2ACB	52SX2ACB	52SW2ACB
1 N.O.	А	0	X	M M	52SA2AABK1	52SB2AABK1	52SX2AABK1	52SW2AABK1
TN.O.	A	0	^	M <s< td=""><td>52SA2ACBK1</td><td>52SB2ACBK1</td><td>52SX2ACBK1</td><td>52SW2ACBK1</td></s<>	52SA2ACBK1	52SB2ACBK1	52SX2ACBK1	52SW2ACBK1
1 N.O.	А	0	X	ММ	52SA2AABA1	52SB2AABA1	52SX2AABA1	52SW2AABA1
1 N.C.	В	Х	0	M <s< td=""><td>52SA2ACBA1</td><td>52SB2ACBA1</td><td>52SX2ACBA1</td><td>52SW2ACBA1</td></s<>	52SA2ACBA1	52SB2ACBA1	52SX2ACBA1	52SW2ACBA1

		Switch	Switch Position		Туре	Chrome		Black Max							
Contact Type	Contact	Left	Center	Right	M = Maintained S = Spring Return	Short Lever	Long Lever	Short Lever	Long Lever						
		(S)	1	Ø			3-Position	n Operator							
					м м м	52SA2CAB	52SB2CAB	52SX2CAB	52SW2CAB						
					м м м	52SA2BAB	52SB2BAB	52SX2BAB	52SW2BAB						
No Contacts	_	_	_	_	S>M M	52SA2BBB	52SB2BBB	52SX2BBB	52SW2BBB						
					M M <s< td=""><td>52SA2BCB</td><td>52SB2BCB</td><td>52SX2BCB</td><td>52SW2BCB</td></s<>	52SA2BCB	52SB2BCB	52SX2BCB	52SW2BCB						
					S>M <s< td=""><td>52SA2BDB</td><td>52SB2BDB</td><td>52SX2BDB</td><td>52SW2BDB</td></s<>	52SA2BDB	52SB2BDB	52SX2BDB	52SW2BDB						
1 N.O.	Δ.			X	м м м	52SA2CABA1	52SB2CABA1	52SX2CABA1	52SW2CABA1						
I N.O.	А	0	0	_ ×	S>M M	52SA2CBBA1	52SB2CBBA1	52SX2CBBA1	52SW2CBBA1						
1 N.C.	В	V	V	V				×	0	0	M M <s< td=""><td>52SA2CCBA1</td><td>52SB2CCBA1</td><td>52SX2CCBA1</td><td>52SW2CCBA1</td></s<>	52SA2CCBA1	52SB2CCBA1	52SX2CCBA1	52SW2CCBA1
I N.C.	В	_ ^			S>M <s< td=""><td>52SA2CDBA1</td><td>52SB2CDBA1</td><td>52SX2CDBA1</td><td>52SW2CDBA1</td></s<>	52SA2CDBA1	52SB2CDBA1	52SX2CDBA1	52SW2CDBA1						
1 N.O.	А	0	0	Х	м м м	52SA2CABA2	52SB2CABA2	52SX2CABA2	52SW2CABA2						
1 N.C.	В	X	0	0	S>M M	52SA2CBBA2	52SB2CBBA2	52SX2CBBA2	52SW2CBBA2						
1 N.O.	С	0	0	X	M M <s< td=""><td>52SA2CCBA2</td><td>52SB2CCBA2</td><td>52SX2CCBA2</td><td>52SW2CCBA2</td></s<>	52SA2CCBA2	52SB2CCBA2	52SX2CCBA2	52SW2CCBA2						
1 N.C.	D	Х	0	0	S>M <s< td=""><td>52SA2CDBA2</td><td>52SB2CDBA2</td><td>52SX2CDBA2</td><td>52SW2CDBA2</td></s<>	52SA2CDBA2	52SB2CDBA2	52SX2CDBA2	52SW2CDBA2						
1 N.O.	А	0	0	Х											
1 N.C.	В	X	0	0	м м м	52SA2GABJ2K1	52SB2GABJ2K1	52SX2GABJ2K1	52SW2GABJ2K1						
1 N.C.	С	0	X	0											

		Switc	h Positio	on		Туре				Chr	ome	Black Max		
Contact Type	Contact	Left	Left Center	Right Center	Right	M = N S = S			ined Return	Short Lever	Long Lever	Short Lever	Long Lever	
		((S)	Ø	Ø						4-Position	Operator		
No Contacts	_	_	_	_	_	M M	M	М	М	52SA2HAB	52SB2HAB	52SX2HAB	52SW2HAB	
1 N.O.	А	Х	0	0	0									
1 N.C.	В	0	×	0	0	M M	M	Μ	М	52SA2HABJ2K1	52SB2HABJ2K1	52SX2HABJ2K1	52SW2HABJ2K1	
1 N.C.	С	0	0	×	0									
1 N.O.	А	0	0	0	Х									
1 N.O.	В	X	0	0	0							500)(0) 145 101(0	500000000000000000000000000000000000000	
1 N.C.	С	0	X	0	0	M N	M	М	М	52SA2HABJ2K2	52SB2HABJ2K2	52SX2HABJ2K2	52SW2HABJ2K2	
1 N.C.	D	0	0	X	0									

Note: X = Closed / O = Open

 \cap

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4

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Siemens Industry, Inc. Industrial Controls Catalog

¹⁾ Readily available items are in **bold**.

This is a small representation of stocked items.

Push Buttons & Signaling Devices

30mm Water, Oil Tight & Corrosion Resistant - Class 52

Keyed Selector Switch

Selection Guide

Keyed Selector Switch

Part Number	52	S	С						
r art Number		а	b	С	d	е	f 3	g ³	h

a	Code	lype
•	S	Selector Switch
b	Code	Finish
	С	Chrome – Command 52
C	Code	Style
	5	Non-Standard Lock/Key ^{1a}
	6	Standard Lock/Key
d	Code	Function
d	Code A	Function 2 Position: CAM A
d		1000
d	Α	2 Position: CAM A
d	A B	2 Position: CAM A 3 Postion: CAM B
d	A B C	2 Position: CAM A 3 Postion: CAM B 3 Postion: CAM C ²
d	A B C D	2 Position: CAM A 3 Postion: CAM B 3 Postion: CAM C ² 3 Postion: CAM D
d	A B C D	2 Position: CAM A 3 Postion: CAM B 3 Postion: CAM C ² 3 Postion: CAM D 3 Postion: CAM E

Code	Contact Quan	tity & Location
	Left	Right
0	1	_
1	_	1
2	1	1
3	2	_
4	_	2
5	2	1
6	1	2
7	2	2
8	3	_
9	_	3
	0 1 2 3 4 5 6 7	Left 0 1 1 — 2 1 3 2 4 — 5 2 6 1 7 2 8 3

Contact Blocks

1 NO - 1 NC

1 NC

1 NO

1 NC (LB)

1 NO (EM)

Code

Α

J

K

Е

Н

Code		Lock Type					
	2 Position						
	Maintained /	Key F	Removal				
	Spring Return	Left	Right				
E	All Maintained	X	X				
F	All Maintained	X	_				
G	All Maintained	_	X				
X	Spring from Right	X	_				

9		
Code	Кеу Тур	oe ^{1b}
Blank	501CH	1
X298	550CH	1
X299	549CH	+
X300	548CH	1
X301	547CH	1
X302	506CH	1

		3 Pos	ition	tion					
	Maintained	Spring		Key Removal					
	Position	Return	Left	Center	Right				
E	All	_	Χ	X	X				
F	All	_	Χ	_	_				
G	All	_	_	_	X				
Н	All	_	_	X					
J	All	_	Χ	_	X				
K	All	_	Χ	X	_				
M	All	_	_	X	X				
Т	Center, Right	Left	_	X	_				
U	Left, Center	Right	_	Χ	_				
V	Center	Left, Right	_	X	_				
W	Center, Right	Left	_	_	X				
Υ	Center, Right	Left	_	X	X				
Z	Left, Center	Right	Χ	X	X				

Standard Lock/Key

1a. To Order 1 to 25 special locks for keyed selector switches simply replace the 6 in the 5th digit of the catalog number with a 5 when entering your order.

(Ordering Example: 52SC6AE is changed to 52SC5AE and all locks - up to 25 will be unique).

Per order, line will be uniquely keyed.

1b. b. To order the specific lock types shown in table **h**, simply append the corresponding "X" suffix to a standard part number (Ordering Example: 52SC6AEX298).

Note: Same list price applies as standard keyed locks.

- 2. C CAM on spring return selectors is limited to 4 contact blocks. For CAM selection see page 10/164.
- 3 For operator without contact blocks leave positions f and g

4 Position Key Removal Maintained Position Left Left Center Right Center Right Е ΑII Χ Χ Χ Χ F Αll Χ G AllΧ

e

Keyed Selector Switch

Key-operated Selector Switch, Non-Illuminated1)

	Switch Position		Туре	Key Removal		
Contact Type	Contact	Left	Right	M = Maintained S = Spring Return	Left	Both
		S	Ø		2-Positior	n Operator
No Contacts		_		м м	52SC6AF	52SC6AE
NO CORRACTS	_		_	M <s< td=""><td>52SC6AX</td><td>_</td></s<>	52SC6AX	_
1 N.O.	A	0	×	м м	52SC6AFK1	52SC6AEK1
TN:O.	A		^	M <s< td=""><td>52SC6AXK1</td><td>_</td></s<>	52SC6AXK1	_
1 N.O.	А	0	X	м м	52SC6AFA1	52SC6AEA1
1 N.C.	В	X	0	M <s< td=""><td>52SC6AXA1</td><td>-</td></s<>	52SC6AXA1	-

	Switch Position Type					Key Removal						
Contact Type	Con- tact	Left	Cen- ter	Right	M = Maintained S = Spring Return	Left	Right	Center	Left & Center	Left & Right	Center & Right	All Positions
			1					3-Pc	osition Ope	erator		
					м м м	52SC6CF	52SC6CG	52SC6CH	52SC6CK	52SC6CJ	52SC6CM	52SC6CE
					M M M	52SC6BF	52SC6BG	52SC6BH	52SC6BK	52SC6BJ	52SC6BM	52SC6BE
No Con- tacts	_	_	_	_	S>M M	_	52SC6BW	52SC6BT	_	_	52SC6BY	_
taoto					M M <s< td=""><td>_</td><td>_</td><td>52SC6BU</td><td>52SC6BZ</td><td>_</td><td>_</td><td>_</td></s<>	_	_	52SC6BU	52SC6BZ	_	_	_
					S>M <s< td=""><td>_</td><td>_</td><td>52SC6BV</td><td>_</td><td>_</td><td>_</td><td>_</td></s<>	_	_	52SC6BV	_	_	_	_
1 11 0	_			· · ·	м м м	52SC6CFA1	52SC6CGA1	52SC6CHA1	52SC6CKA1	52SC6CJA1	52SC6CMA1	52SC6CEA1
1 N.O.	A	0	0	X	S>M M	_	52SC6CWA1	52SC6CTA1	_	_	52SC6CYA1	_
4 11 0					M M <s< td=""><td>_</td><td>_</td><td>52SC6CUA1</td><td>52SC6CZA1</td><td>_</td><td>_</td><td>_</td></s<>	_	_	52SC6CUA1	52SC6CZA1	_	_	_
1 N.C.	В	X	0	0	S>M <s< td=""><td>_</td><td>_</td><td>52SC6CVA1</td><td>_</td><td>_</td><td>_</td><td>_</td></s<>	_	_	52SC6CVA1	_	_	_	_
1 N.O.	А	0	0	Х	м м м	52SC6CFA2	52SC6CGA2	52SC6CHA2	52SC6CKA2	52SC6CJA2	52SC6CMA2	52SC6CEA2
1 N.C.	В	X	0	0	S>M M	_	52SC6CWA2	52SC6CTA2	_	_	52SC6CYA2	_
1 N.O.	С	0	0	X	M M <s< td=""><td>_</td><td>_</td><td>52SC6CUA2</td><td>52SC6CZA2</td><td>_</td><td>_</td><td>_</td></s<>	_	_	52SC6CUA2	52SC6CZA2	_	_	_
1 N.C.	D	X	0	0	S>M <s< td=""><td>_</td><td>_</td><td>52SC6CVA2</td><td>_</td><td>_</td><td>_</td><td>_</td></s<>	_	_	52SC6CVA2	_	_	_	_
1 N.O.	А	0	0	Х								
1 N.C.	В	X	0	0	M M M	52SC6GFJ2K1	52SC6GGJ2K1	52SC6GHJ2K1	52SC6GKJ2K1	52SC6GJJ2K1	52SC6GMJ2K1	52SC6GEJ2K1
1 N.C.	С	0	X	0								

		Switch I	Position			Туре	Key R	Key Removal	
Contact Type	Contact	Left	Left Center	Right Center	Right	M = Maintained S = Spring Return	Right	All Positions	
		S	S	Ø	Ø		4-Positior	n Operator	
No Contacts	_	_	_	_	_	M M M M	52SC6HG	52SC6HE	
1 N.O.	А	X	0	0	0				
1 N.C.	В	0	×	0	0	M M M M	52SC6HGJ2K1	52SC6HEJ2K1	
1 N.C.	С	0	0	X	0				
1 N.O.	А	0	0	0	X				
1 N.O.	В	X	0	0	0	M M M M	52SC6HGJ2K2	52SC6HEJ2K2	
1 N.C.	С	0	X	0	0	IVI IVI IVI IVI	JZSCONGJZNZ	J23CONEJZKZ	
1 N.C.	D	0	0	X	0				

Note: X = Closed / O = Open

All Operatores listed above are furnished with Lock No. 501CH

1) Readily available items are in bold.

This is a small representation of stocked items.

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Selector Push Button

Selection Guide

Selector Push Button

Part Number

Finish	Style	Function	Color	Contacts	Part Number
Chrome	Flush Selector Push Button	2 Position CAM Q	Black	None	52SA3Q1
Chrome	Flush Selector Push Button	2 Position CAM R	Black	None	52SA3R1
Chrome	Flush Selector Push Button	2 Position CAM P	Black	None	52SA3P1



Selector Push Buttons

Readily available items are in **bold**.

This is a small representation of stocked items.

а	Code	Туре
	S	Selector Push Buttons
b	Code	Finish
~	Α	Chrome - Command 52
C	Code	Style
	3	Flush Button
	4	Extended Button - 1/2"

d	Code	Function
•	Р	2 Position: CAM P
	Q	2 Position: CAM Q
	R	2 Position: CAM R
	S	3 Position: CAM S

е	Code	Color
	1	Black
	2	Red

1	Code				C	ontact Blo	ocks		
					CAM F	2 (2 Selector	Position)		
		Le	eft	Ce	nter	F	Right	Contact	Mounting
		N	D	N/A	N/A	N	D	Blocks	Position
	J0	X	0	_	_	0	0	NC	Left
	K0	0	Χ	_	_	X	Χ	NO	Left
					CAM ((2 Selector	Position)		
		Le	eft	Ce	nter	F	Right	Contact	Mounting
		N	D	N/A	N/A	N	D	Blocks	Position
	J0	X	X	_	_	0	0	NC	Left
	J1	Х	0	_	_	0	0	NC	Right
	K0	0	0	_	_	0	X	NO	Left
	K1	0	Χ	_	_	0	Χ	NO	Right
					CAM F	R (2 Selector	Position)		
		Le	eft	Ce	nter	F	Right	Contact	Mounting
		N	D	N/A	N/A	N	D	Blocks	Position
	J0	Х	Х	_	_	Х	0	NC	Left
	J1	Х	0	_	_	Х	X	NC	Left
	K0	0	0	_	_	0	X	NO	Right
	K1	0	Χ	_	_	0	0	NO	Right
					CAM S	3 (3 Selector	Position)		
		Le	eft	Ce	nter	F	Right	Contact	Mounting
		N	D	N	D	N	D	Blocks	Position
	J0	Χ	0	0	0	0	0	NC	Left
	J1	Χ	0	Χ	Χ	0	0	NC	Right
	K0	0	0	0	Х	0	X	NO	Left
	K1	0	Χ	0	0	0	X	NO	Right

Note: X = Closed / O = Open

1 For operator without contact blocks leave position f blank

Revised 11/15/14

Pushbutton Units and Indicator Lights 30mm Water, Oil Tight & Corrosion Resistant – Class 52

Special devices

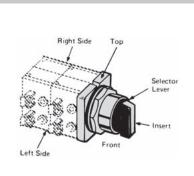
Selection and ordering	data			
	Version	Ohms / color	Order no.	Pack
				I Inda
	Potentiometer operator 2 Watts, 500 V AC/DC (NEMA Type 4)	50 150 250 500 750 1 K 2.5 K 5 K 10 K 15 K 25 K 50 K 100 K 150 K 250 K 500 K 1 M 1.5 M 2 M 5 M	52MA3B01 52MA3B03 52MA3B04 52MA3B06 52MA3B07 52MA3B08 52MA3B10 52MA3B12 52MA3B14 52MA3B16 52MA3B16 52MA3B20 52MA3B21 52MA3B22 52MA3B22 52MA3B22 52MA3B24 52MA3B24 52MA3B26 52MA3B28 52MA3B28	Unit 1
	2 Button maintained operator	black (flush) / red (flush) black (flush) / red (extended) black (flush) / yellow (mushroom) green (flush) / red (flush) green (flush) / red (extended) green (flush) / red (mushroom) green (flush) / green (mushroom)	52MA2A1A2 52MA2A1B2 52MA2A1D4 52MA2A3A2 52MA2A3B2 52MA2A3D2 52MA2A3D3	1
	Button remains depressed when pushed	less caps	52MA2	
	Wobble stick 2.5" operator For use with 52BAJ (NC) contact block	red green grey	52ABW2 ^① 52ABW3 ^① 52ABW6 ^①	1
	Maintained toggle operator		52ABT	1

① For use with 52BAJ (NC) contact block

30mm Water, Oil Tight & Corrosion Resistant - Class 52

Cam selection

Selection and ordering data



Ordering Information

- Contact blocks are ordered separately, see page 10/164
- Determine which table to use based upon the type of selector (non-illum selector switch-top, illum selector switch-middle, and selector pushbutton-bottom).
- Find the correct number of selector positions (2, 3 or 4 positions).
- Select the contact operation required for each selector position. X indicates the contacts are closed, while O indicates the contacts are open. (For the selector pushbutton, N=normal and D=depressed). Contact block must be assembled in position shown for each circuit application.
- Identify the CAM letter required for the chosen contact operation (only 1 CAM can be used per selector switch or selector pushbutton).
- Contact blocks must be assembled in the position shown for each circuit application. The mounting
 position is viewed from the front of the device.

Ordering CAMs D, E or G

 CAM D, E or G may be ordered at the same price by changing the 6th character of the selector catalog number. Example: Selector with D cam 52SX2DAB.

Size Requirements

- C CAM on spring return selectors is limited to 4 contact blocks.
- Selector operators in enclosures are limited to depth of 1 contact block. (2 blocks wide).

Non-illuminated and keyed selector switches (viewed from front)

2 Selecto Left	or Positions	Rigl	ht	Contact Blocks	CAM	Mountin Left	ıg	Right
X O		O X		NC (52BAJ) NO (52BAK)	A A	L L	or or	R R
3 Selecto Left	or Positions Center	Rigl	ht	Contact Blocks	CAM	Mountin Left	ıg	Right
X O X O	O O X X	O X O X		NO (52BAK) NO (52BAK) NC (52BAJ) NC (52BAJ)	B B B B	L L		R R
X X O	0 0 0	X O X		2NO (2-52BAK) NC (52BAJ) NO (52BAK)	B C C	L L L	and or or	R R R
0 0 X	X 0 0	0 X 0		NC (52BAJ) NO (52BAK) NO (52BAK)	D D E	L L L	or or	R R R
0 X 0	Х О Х О	0 0 0 X		NC (52BAJ) NC (52BAJ) NC (52BAJ) NO (52BAK)	<u>E</u> G G	L L	or or	R R R
	or Positions Left Center	Right Center	Right	Contact Blocks	CAM	Mountin Left		Right
X (0 0 (0 0 (0	0 X 0 0	0 0 X 0	0 0 0 X	NO (52BAK) NC (52BAJ) NC (52BAJ) NO (52BAK)	H H H H	L L		R R

Illuminated selector switches (viewed from front)

		•	*			
2 Selecto Left	r Positions	Right	Contact Blocks	CAM	Mounting Left	Right
X O		O X	NC (52BAJ) NO (52BAK)	A A	L L	
3 Selecto Left	r Positions Center	Right	Contact Blocks	САМ	Mounting Left	Right
0	O X	X O	NC (52BAJ) NO (52BAK)	B B		R R
X	0	O X	NC (52BAJ) NO (52BAK)	C	L	

Selector Pushbuttons (viewed from front)

2 Sele Left N	ector F	Position	ıs	Right N	t D	Contact Blocks	CAM	Mounting Left	Right
X X O	O X X O			0 0 0	0 0 X X	NC (52BAJ) NC (52BAJ) NO (52BAK) NO (52BAK)	a a a	L L	R R
X O X X O O	O X X O X O			O X X X O O	0 X 0 X 0 X	NC (52BAJ) NO (52BAK) NC (52BAJ) NC (52BAJ) NO (52BAK) NO (52BAK)	P P R R R	L or L or L	R R R
3 Sele Left N	ector F	Position Cente N		Right N	t D	Contact Blocks	CAM	Mounting Left	Right
X X O O	0 0 X 0	O X O O	O X O X	0 0 0	O O X X	NC (52BAJ) NC (52BAJ) NO (52BAK) NO (52BAK)	S S S	L L	R R

Custom selector switch designs

Selection and ordering data

Assembled Non-illuminated Selector Switches

- Determine contact block and location from above.
- Select block suffix. Ex: **J** = **52BAJ**.
- Now select position suffix.
- 1-52BAJ block mounted on right side, suffix will be ${\bf J}$ 1.

- Additional suffixes allow for multiple quantities and locations.
- Repeat process for next block if required.
- Add list price of blocks to operator list price.
- Consult factory for delivery.

Example 1: X O O	Block Suffix	Position Suffix		
0 0 X			Quantity and L	ocation
HAND-OFF-AUTO Maintained Switch	A = 1 NO - 1 NC, 52BJK	Suffix	Left	Right
Catalog No 52SA2CAB A 1 = 52A2CABA1	E = NC Late Break, 52BAE	0	1	
(52BJK block mounted on right side)	H = NO Early Make, 52BAH	1	l —	1
,	J = NC, 52BAJ	2	1	1
Example 2: X O O 52BAJ (L)	K = NO, 52BAK	3	2	_
O X O 52BAJ (R)	·	4	l —	2
O O X 52BAK (L or R) }K1		5	2	1
G Cam required		6	1	2
Catalog No 52SA2GAB J2 K1 = 52SA2GABJ2K1		7	2	2
		8	3	_
		9	_	3

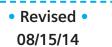
Revised11/15/14

ction and o	rdering data			
	Version	Suitable for	Color	Order no.
	Flush actuator lens cap	For flush type, non-illuminated pushbuttons bag of 20 caps	black red green yellow blue gray orange kit- all colors	52RA1A1 52RA1A2 52RA1A3 52RA1A4 52RA1A5 52RA1A6 52RA1A8 52RA1AN
	Extended actuator lens cap	For extended type, non-illuminated pushbuttons bag of 20 caps	black red green yellow blue gray orange 1 of each color cap	52RA1B1 52RA1B2 52RA1B3 52RA1B4 52RA1B5 52RA1B6 52RA1B8 52RA1BN
	Mushroom head cap - Plastic set-screw type	For large 2 1/2"(63.5mm) type, set screw non-illuminated mushroom pushbuttons	black red green yellow blue gray orange 1 kit of each color cap	52RB3E1 52RB3E2 52RB3E3 52RB3E4 52RB3E5 52RB3E6 52RB3E8 52RB3EN
		For small 1 5/8"(41.3mm) type, non-illuminated mushroom pushbuttons	black red green yellow blue gray orange 1 of each color cap	52RB3D1 52RB3D2 52RB3D3 52RB3D4 52RB3D5 52RB3D6 52RB3D8 52RB3DN
	Mushroom head cap - Metal set-screw type	For small 1 5/8"(41.3mm) type, set screw non-illuminated mushroom pushbuttons	chrome red green	52RB3FC 52RB3F2 52RB3F3
	Replacement Lens for Indicator Lights	For catalog numbers starting with 52PL or 52BL® Plastic Glass	red green blue amber clear white 1 of each color red green blue amber clear white	52RA4S2 52RA4S3 52RA4S9 52RA4SA 52RA4SB 52RA4SB 52RA4T2 52RA4T3 52RA4T3 52RA4T5 52RA4TB
	Replacement Lens forPush to Test/Illuminated Pushbuttons	For catalog numbers starting with 52PT or 52BT ²³ Plastic	1 of each color red green blue amber clear	52RA4TN 52RA5S2 52RA5S3 52RA5S5 52RA5S9 52RA5SA

① To order replacement lens for indicator lights starting with 52PA, 52PE, or 52PX, change the 6th digit to P for plastic and G for glass.

② It is possible to retrofit catalog numbers starting with 52PA, 52PE and 52PX with the replacement lens. The new lens have concentric ribs for improved light distribution.

③ To order replacement lens for push to test / illuminated pushbuttons starting with 52PA, 52PE, or 52PX, change the 6th digit to a P.



			1

	Version	Suitable for	Color	Order no.
	VIOIOIT	Contable for	Ooloi	order no.
	Mushroom head push pull	For small 1 3/4" type, push-pull units	red	52RC3JR
	illuminated plastic screw-on type		green amber	52RC3JS 52RC3JT
		For large 2 1/2" type, push-pull units	red	52RC3KR
			green amber	52RC3KS 52RC3KT
75	Mushroom head push pull illuminated metal	Chrome, for small 1 3/4" type, push-pull units	red green	52RB3H2 52RB3H3
100	screw-on type	2	amber	52RB3H9
			white	52RB3HB
100		BlackMax, for small 1 3/4" type, push-pull	red	52RX3H2
10		units	green amber	52RX3H3 52RX3H9
			white	52RX3HB
	Mushroom head push pull	For small 1 3/4" type, push-pull units	black	52RC3D1
	non-illuminated plastic screw-on type	(catalog numbers starting with 52PP or 52BP) ^①	red green	52RC3D2 52RC3D3
	colon-on type	32D1 /-	yellow	52RC3D3
			blue	52RC3D5
			gray	52RC3D6
P			orange 1 of each color	52RC3D8 52RC3DN
		For large 2 1/2" type, push-pull units	black	52RC3E1
		(catalog numbers starting with 52PP or 52BP) ^①	red	52RC3E2
		JZDFJ [©]	green	52RC3E3
			yellow blue	52RC3E4 52RC3E5
				52RC3E6
			gray	SZNUSEO
			orange	52RC3E8
				52RC3E8 52RC3EN
	Mushroom head push pull	For small 1 3/4" type, push-pull units	orange 1 of each color red	52RC3E8 52RC3EN 52RC3F2
	Mushroom head push pull non-illuminated metal screw-on type	For small 1 3/4" type, push-pull units (catalog numbers starting with 52PP or 52BP)	orange 1 of each color	52RC3E8 52RC3EN
	non-illuminated metal screw-on type Twist to release head	(catalog numbers starting with 52PP or	orange 1 of each color red green chrome	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR
	non-illuminated metal screw-on type	(catalog numbers starting with 52PP or 52BP) [©]	orange 1 of each color red green chrome	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head	(catalog numbers starting with 52PP or 52BP) [©]	orange 1 of each color red green chrome red green amber red	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT 52RC3R2
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head non-illuminated plastic screw-on type Replacement lens kit for	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber red green yellow red	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RT 52RC3RT 52RC3R2 52RC3R3 52RC3R4 52RA6P2
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head non-illuminated plastic screw-on type Replacement lens kit for Illuminated selector switches	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber red green yellow red green	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT 52RC3R3 52RC3R4 52RC3R4
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head non-illuminated plastic screw-on type Replacement lens kit for	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber red green yellow red green blue	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT 52RC3R2 52RC3R3 52RC3R4 52RA6P2 52RA6P3 52RA6P5
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head non-illuminated plastic screw-on type Replacement lens kit for Illuminated selector switches	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber red green yellow red green	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT 52RC3R3 52RC3R4 52RC3R4
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head non-illuminated plastic screw-on type Replacement lens kit for Illuminated selector switches	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber red green yellow red green blue amber	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT 52RC3R2 52RC3R3 52RC3R4 52RA6P2 52RA6P3 52RA6P9
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head non-illuminated plastic screw-on type Replacement lens kit for Illuminated selector switches (Knob with Insert) Lever inserts	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber red green yellow red green blue amber clear white red	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT 52RC3R2 52RC3R4 52RA6P2 52RA6P3 52RA6P3 52RA6P4 52RA6P4 52RA6P8 52RA6PB
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head non-illuminated plastic screw-on type Replacement lens kit for Illuminated selector switches (Knob with Insert)	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber red green yellow red green blue amber clear white red green	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT 52RC3R2 52RC3R3 52RC3R4 52RA6P2 52RA6P3 52RA6P9 52RA6PB 52RA6PB
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head non-illuminated plastic screw-on type Replacement lens kit for Illuminated selector switches (Knob with Insert) Lever inserts	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber red green yellow red green blue amber clear white red green yellow	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT 52RC3R2 52RC3R4 52RA6P2 52RA6P3 52RA6P9 52RA6PB 52RA6PB
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head non-illuminated plastic screw-on type Replacement lens kit for Illuminated selector switches (Knob with Insert) Lever inserts	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber red green yellow red green blue amber clear white red green yellow	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT 52RC3R2 52RC3R3 52RC3R4 52RA6P2 52RA6P3 52RA6P9 52RA6PB 52RA6PB
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head non-illuminated plastic screw-on type Replacement lens kit for Illuminated selector switches (Knob with Insert) Lever inserts	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber red green yellow red green blue amber clear white red green yellow	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT 52RC3R2 52RC3R4 52RA6P2 52RA6P3 52RA6P9 52RA6PB 52RA6PB 52RA2A2 52RA2A2 52RA2A3 52RA2A4 52RA2A4 52RA2A4 52RA2A5 52RA2A8
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head non-illuminated plastic screw-on type Replacement lens kit for Illuminated selector switches (Knob with Insert) Lever inserts Short lever	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber red green yellow red green blue amber clear white red green yellow blue gray orange white	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT 52RC3R2 52RC3R4 52RA6P2 52RA6P3 52RA6P9 52RA6PA 52RA6PA 52RA6PB 52RA2A2 52RA2A3 52RA2A3 52RA2A4 52RA2A4 52RA2A5 52RA2A8 52RA2A8 52RA2A8
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head non-illuminated plastic screw-on type Replacement lens kit for Illuminated selector switches (Knob with Insert) Lever inserts	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber red green yellow red green blue amber clear white red green yellow blue gray orange white red	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT 52RC3R2 52RC3R3 52RC3R4 52RA6P2 52RA6P9 52RA6P9 52RA6PB 52RA6PB 52RA2A2 52RA2A3 52RA2A3 52RA2A4 52RA2A5 52RA2A5 52RA2A6 52RA2A5 52RA2A6 52RA2A6 52RA2A6 52RA2A6 52RA2A6 52RA2A6 52RA2A6 52RA2A6 52RA2A8 52RA2A8 52RA2A8 52RA2A8
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head non-illuminated plastic screw-on type Replacement lens kit for Illuminated selector switches (Knob with Insert) Lever inserts Short lever	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber red green yellow red green blue amber clear white red green yellow bue gray orange white red green greyen	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT 52RC3R2 52RC3R3 52RC3R4 52RA6P2 52RA6P3 52RA6P9 52RA6PA 52RA6PB 52RA2A2 52RA2A3 52RA2A3 52RA2A4 52RA2A4 52RA2A4 52RA2A5 52RA2A8 52RA2A8 52RA2A8
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head non-illuminated plastic screw-on type Replacement lens kit for Illuminated selector switches (Knob with Insert) Lever inserts Short lever	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber red green yellow red green blue amber clear white red green yellow blue gray orange white red	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT 52RC3R2 52RC3R3 52RA6P2 52RA6P3 52RA6P5 52RA6P9 52RA6PA 52RA6PB 52RA2A2 52RA2A3 52RA2A4 52RA2A5 52RA2A8 52RA2A8 52RA2A8 52RA2A8 52RA2B3 52RA2B3 52RA2B3 52RA2B3
	non-illuminated metal screw-on type Twist to release head illuminated plastic screw-on type Twist to release head non-illuminated plastic screw-on type Replacement lens kit for Illuminated selector switches (Knob with Insert) Lever inserts Short lever	(catalog numbers starting with 52PP or 52BP) [©] For small twist to release units	orange 1 of each color red green chrome red green amber red green yellow red green blue amber clear white red green yellow blue gray orange white red green yellow	52RC3E8 52RC3EN 52RC3F2 52RC3F3 52RC3FC 52RC3RR 52RC3RS 52RC3RT 52RC3R3 52RC3R4 52RA6P2 52RA6P3 52RA6P9 52RA6PA 52RA6PB 52RA2A2 52RA2A3 52RA2A4 52RA2A3 52RA2A4 52RA2A8 52RA2A8 52RA2A8 52RA2A8 52RA2B3 52RA2B3 52RA2B3

① For push-pull units whose catalog numbers that start with 52PX, 52PA or 52PE, replacement heads are available. Order from the 52RB type "Mushroom head pushbutton cap" section on page 10/164.

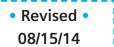
	nd ordering data			
	Version	Suitable for	Color	Order no.
	Protective boot Offers protection from ice and foreign substances from interfering with button operation	Flush pushbutton operations	clear black	52AABA 52AAB1
	Guards Prevents accidental operation	Non-illuminated basic pushbuttons	chrome blackmax	52AAGP 52AXGP
		1 5/8" mushroom pushbuttons, 1 3/4" push-pull units ^① , and twist to release units	chrome blackmax	52AAGM 52AXGM
		Push to test/illuminated pushbutton and indicator lights	chrome blackmax	52AAGL 52AXGL
DENCY	EMERGENCY-STOP Lock Out	Class 52 Illuminated Mushroom Head Pushbuttons; 304 Stainless Steel	chrome (304 SS)	52AALE
	EMERGENCY-STOP Backing Ring	Yellow 90mm E-STOP Backing Ring		52AAR
	Locknuts Replacement front ring	Non-illuminated basic pushbuttons	chrome blackmax	52AANP 52AXNP
		Non-illuminated mushroom pushbuttons	chrome blackmax	52AANL 52AXNL
		Push-pull and twist-to-release units (only for push-pull units starting with 52PP or 52BP) [©]	chrome blackmax	52CANP 52CXNP
		Indicator Lights	blue amber	52AANL 52AXNL
		Selector switches	chrome blackmax	52AANS 52AXNS
	Mounting Accessories	Class 52 Trim Washer Kit (Set of 10 pcs) Class 52 Washer Kit (Include 2-Neoprene Gaskets, 1-Trim Washer, 1-Index Locking Ring (chrome)	chrome	52AAQ 52AAD
	Padlock attachments	Non-illuminated basic pushbuttons	flush extended	52AALA 52AALB
•	Padlock cover Lock devices in off position	Pushbuttons, selector switches, and non-illuminated mushroom heads		52AALS
,0	Lock nut wrench	All devices		52MAWB
	Hole plugs		corrosion resistant steel, grey stainless steel	52AAH6 52ABH6 52ABHS
	Spare keys	Class 52 Standard Keyed Selector Switch.	501CH	52KEY-501CH
	(Kit includes 1 Key)	Keyed Selector Switch ordered with Suffix X302. Keyed Selector Switch ordered with Suffix X301.	506CH 547CH	52KEY-506CH 52KEY-547CH
		Keyed Selector Switch ordered with Suffix X300.	548CH	52KEY-548CH
		Keyed Selector Switch ordered with Suffix X299.	549CH	52KEY-549CH
		Keyed Selector Switch ordered with Suffix X298.	550CH	52KEY-550CF
	Grounding kit	All devices		52AL109145
	Touchsafe contact blocks with gold flashin	g		
DAL	1 NO			52BAK
BAJ	1 NC 1 NO - 1 NC			52BAJ ⁴ 52BJK ⁴
0 4	1 NO early make	closes before 52BAK		52BAH
408	1 NC late break	opens after 52 BAJ		52BAE
BAK	1 NO - 1 NC	Reed switch; UL listed for class 1 division 2; .25A Max, 200V AC, 10 Watt max .5A Max, 200V DC, 10 Watt max		52BAR ³
		, 2001 20, 10 114111101		52BAU

① These can also be used with the 1 5/8" push-pull devices.

② For push-pull units starting with part numbers 52PA, 52PE or 52PX, replacement locknuts can be ordered using 52AANL (Chrome) and 52AXNL (BlackMax).

³ Hermetically Sealed

④ Positive opening according to IEC 60947-5-1, Appendix K.



	Version	Suitable for	Lamp voltage	Color	Order no.
	Lamps with screw connection, miniature baye	amat (BA Oa atula)			
	Incandescent lamps,	onet (DA 95 Style)			
	Flashing, type 267 lamp (replaces 755 lamp)	51,52	6 V		52AABNF
Colo	6V type 755 lamp (Rated 150 mA)	51, 52	6 V		52AABN
	12V type 756 (Rated 80 mA)	51, 52	12 V		52AACN 52AADN
	24V type 757 (Rated 80 mA)	51, 52 52	24 V 48 V		3SB1902-1AP
	48V, 2W 60V, 2W	52 52	60 V		3SR9424
	120V, 2.5W, type #120MB (Rated 250 mA)	52 52	120 V		52AAENC1
	Neon (uses resistors) type B2A (NE-51H)	52	120 V 120 V		52AAPN
	Candelabra,120V, 3W, Full voltage type 3S6/5	52 older revision styles	120 V		52AAENC
	LED bulbs ^①				
	LED, BA9s type ^②	Class 52	6 V AC/DC		52AEB□
			24 V AC/DC		52AED□
			120 V AC/DC		52AEE□
	Super-Bright LED®	Class 52	6 V AC/DC		52AEB□7
	Super Bright EEB -	01000 02	24 V AC/DC		52AED□7
			120 V AC/DC		52AEE□7
			120 V DC		52AEV□7
	LED lighting module with integrated LED.	01 50	041/40/00		504 AU =
	Single LED (Rated 35 mA Maximum)	Class 52	24 V AC/DC 120 V AC		52AAIL□ 52AAIM□
			240 V AC		52AAIN□
			240 1710		JEARIN
	Full voltage lighting module accessory with B		0.1/4.0/50		
	LED [©]	Class 52	6 V AC/DC		52AAFB□B
			24 V AC/DC 120 V AC/DC		52AAFD□B 52AAFE□B
	_				OZANI LIID
	Super-Bright LED®	Class 52	6 V AC/DC		52AAFB□Y
			24 V AC/DC		52AAFD□Y
			120 V AC/DC		52AAFE□Y
	Incandescent bulb	Class 52	6 V AC/DC		52AAFB
	in total radoconic ballo	0.00002	24 V AC/DC		52AAFD
			120 V AC/DC		52AAFE
	Transformer lighting module accessory with E LED	3A9s type lamp [©] Class 52	120 V AC		52AATG□B
		01000 02	240 V AC		52AATH□B
			480 V AC		52AATJ□B
			600 V AC		52AATK□B
	Super-Bright LED	Class 52	120 V AC		EQA ATOMY
	Super-Bright LED	01d55 JZ	240 V AC		52AATG□Y 52AATH□Y
			480 V AC		52AATJ□Y
			600 V AC		52AATK□Y
	In consider a cost buille	015 50	1001/40		
	Incandescent bulb	Class 52	120 V AC 240 V AC		52AATGN 52AATHN
			240 V AC 480 V AC		52AATHN 52AATJN
			600 V AC		52AATKN
			Color options:	red	2
				green	3
				yellow/amber	4

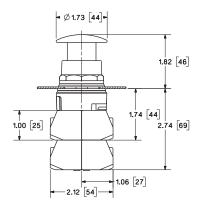
① Standard LED lamps are recommended for indoor applications, Super-Bright LED Lamps are recommended for outdoor applications.

^{© 6}V, 24V (Super Bright only) and 120V are currently AC only. Replaced by AC/DC rated versions end of 2014.

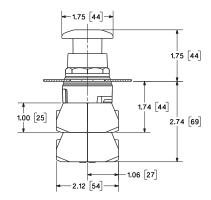
30mm Water, Oil Tight & Corrosion Resistant - Class 52

Dimensional drawings

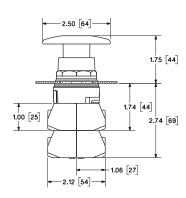
Non-Illuminated Push-Pull Metal Mushroom Head



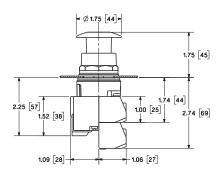
Non-Illuminated Push-Pull Small Plastic Mushroom Head



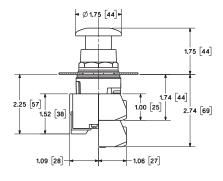
Non-Illuminated Push-Pull Large Plastic Mushroom Head



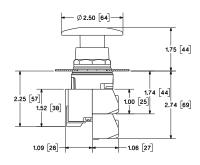
Illuminated Push-Pull Metal Mushroom Head



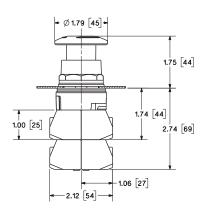
Fully Illuminated Push-Pull Small Plastic Mushroom Head



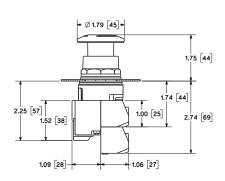
Illuminated Push-Pull Large Plastic Mushroom Head



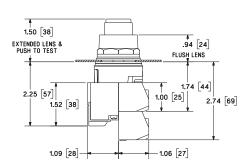
Non-Illuminated Twist Release Plastic Mushroom Head



Illuminated Twist Release Plastic Mushroom Head



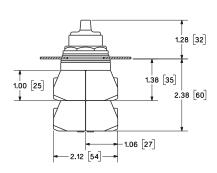
Illuminated Pushbutton Flush Lens Illuminated Pushbutton Extended Lens Illuminated Push to Test



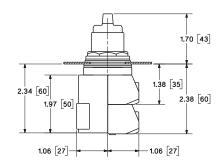
30mm Water, Oil Tight & Corrosion Resistant - Class 52

Dimensional drawings

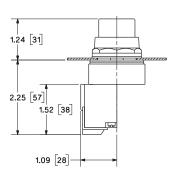
Selector Switch Non-Illuminated



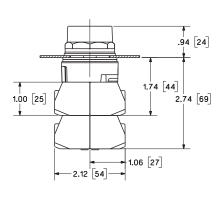
Selector Switch Illuminated



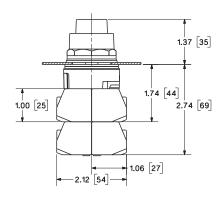
Indicator Light Plastic Lens



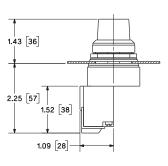
Momentary Pushbutton Non-Illuminated Flush Cap



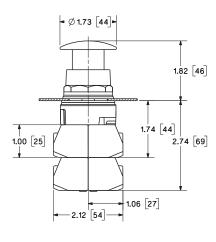
Momentary Pushbutton Non-Illuminated Raised Cap



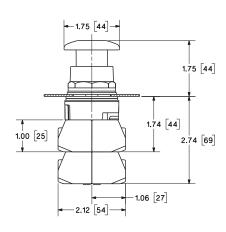
Indicator Light Glass Lens



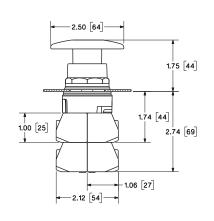
Momentary Pushbutton Metal Mushroom Head



Momentary Pushbutton Small Plastic Mushroom Head



Momentary Pushbutton Large Plastic Mushroom Head



2

3

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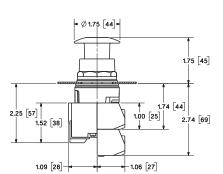
9

10

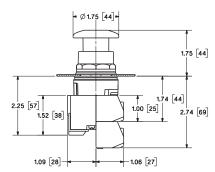
30mm Water, Oil Tight & Corrosion Resistant - Class 52

Dimensional drawings

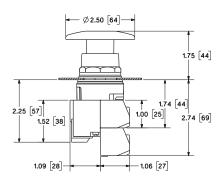
Illuminated Momentary Pushbutton Metal Mushroom Head



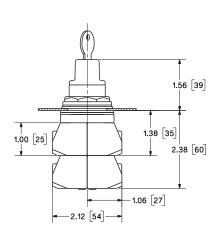
Illuminated Momentary Pushbutton Small Plastic Mushroom Head



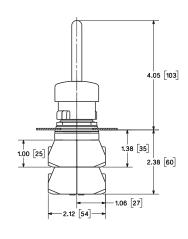
Illuminated Momentary Pushbutton Large Plastic Mushroom Head



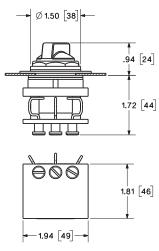
Selector Switch Keyed



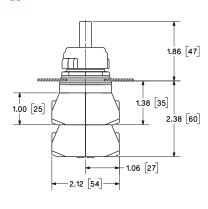
Wobble Switch



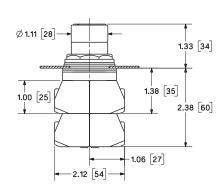
Potentiometer Switch



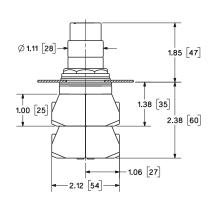
Toggle Switch



Selector Pushbutton Switch Flush Cap



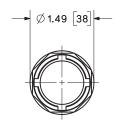
Selector Pushbutton Switch Raised Cap

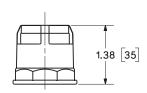


30mm Water, Oil Tight & Corrosion Resistant - Class 52

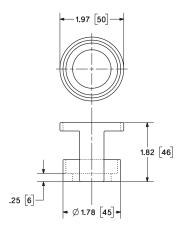
Dimensional drawings

Momentary Pushbutton Guard Illuminated Push to Test Guard

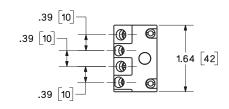


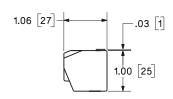


Mushroom Head Guard



Contact Block

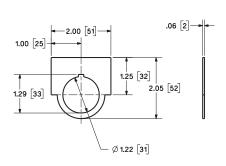


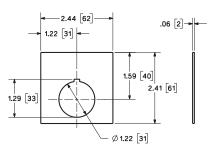


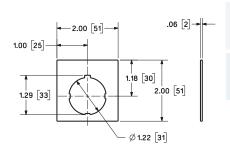
Large Metal Legend Plate

Automotive Metal Legend Plate

Large Plastic Legend Plate







2

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Class 52 oiltight pushbutton stations

Selection a	nd ordering data					
	Actuator identification C = top device in station B = middle device in station A = bottom device in station	Degree of protection [®]	Contact / voltage	No. of command points	Order no.	Pack
	A = Momentary flush pushbutton black, label "START"	NEMA 12	1NO - 1NC	1	52C101A	0
1 unit control	A = Momentary raised pushbutton red, label "STOP"	NEMA 12	1NO - 1NC	1	52C103A	
station	A = Momentary mushroom head red, label "STOP"	NEMA 12	1NO - 1NC	1	52C104A	
	A = Maintained metal mushroom head red, label "EMERGENCY STOP"	NEMA 12	1NO - 1NC	1	52C117A	
0 8	A = 2 position selector switch "OFF-ON"	NEMA 12	1NO - 1NC	1	52C159A	
Stop Stop	A = 3 position selector switch "HAND-OFF-AUTO"	NEMA 12	1NO - 1NC	1	52C156A	
3	A = Indicator light, red	NEMA 12	120V Transformer type	1	52C131A	
e e e e e	A = Indicator light, green	NEMA 12	120V Transformer type	1	52C135A	
	A = Momentary flush pushbutton black, label "START"	NEMA 4X Stainless Steel	1NO - 1NC	1	52C101S	
	A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Stainless Steel	1NO - 1NC	1	52C103S	
	A = Momentary mushroom head red, label "STOP"	NEMA 4X Stainless Steel	1NO - 1NC	1	52C104S	
	A = Maintained metal mushroom head red, label "EMERGENCY STOP"	NEMA 4X Stainless Steel	1NO - 1NC	1	52C116S	
	A = 2 position selector switch "OFF-ON"	NEMA 4X Stainless Steel	1NO - 1NC	1	52C159S	
	A = 3 position selector switch "HAND-OFF-AUTO"	NEMA 4X Stainless Steel	1NO - 1NC	1	52C156S	
	A = Momentary flush pushbutton black, label "START"	NEMA 4X Fiberglass	1NO - 1NC	1	52C101X	
	A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Fiberglass	1NO - 1NC	1	52C103X	
	A = Momentary mushroom head red, label "STOP"	NEMA 4X Fiberglass	1NO - 1NC	1	52C104X	
	A = Maintained metal mushroom head red, label "EMERGENCY STOP"	NEMA 4X Fiberglass	1NO - 1NC	1	52C116X	
	A = 2 position selector switch "OFF-ON"	NEMA 4X Fiberglass	1NO - 1NC	1	52C159X	
	A = 3 position selector switch "HAND-OFF-AUTO"	NEMA 4X Fiberglass	1NO - 1NC	1	52C156X	
2 unit control station	B = Momentary flush pushbutton black, label "START" A = Momentary raised pushbutton red, label "STOP"	NEMA 12	1NO, 1NC 1NO, 1NC	2	52C201A	
Station	B = Momentary flush pushbutton black, label "START" A = Momentary Mushroom head pushbutton red, label "STOP"	NEMA 12	1NO, 1NC 1NO, 1NC	2	52C202A	
STANI STANIS	B = Momentary flush pushbutton, label "FORWARD" A = Momentary flush pushbutton, label "REVERSE"	NEMA 12	1NO, 1NC 1NO, 1NC	2	52C204A	
3	B = Momentary flush pushbutton, label "UP" A = Momentary flush pushbutton, label "DOWN"	NEMA 12	1NO, 1NC 1NO, 1NC	2	52C223A	
3 1111 4	B = Indicator light, red, label "RUN" A = Maintained selector switch, label "HAND-OFF-AUTO"	NEMA 12	120V Transformer type	2	52C224A	
	B = Indicator light, red A = Indicator light, green	NEMA 12	120V Transformer type	2	52C230A	
	B = Momentary flush pushbutton black, label "START" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC	2	52C201S	
	B = Momentary flush pushbutton black, label "START" A = Momentary Mushroom head pushbutton red, label "STOP"	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC	2	52C202S	
	B = Momentary flush pushbutton, label "UP" A = Momentary flush pushbutton, label "DOWN"	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC	2	52C223S	
	B = Indicator light, red, label "RUN" A = Maintained selector switch, label "HAND-OFF-AUTO"	NEMA 4X Stainless Steel	120V Transformer type 1NO, 1NC	2	52C224S	
	B = Momentary flush pushbutton black, label "START" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC	2	52C201X	
	B = Momentary flush pushbutton black, label "START" A = Momentary Mushroom head pushbutton red, label "STOP"	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC	2	52C202X	
	B = Momentary flush pushbutton, label "UP" A = Momentary flush pushbutton, label "DOWN"	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC	2	52C223X	
	B = Indicator light, red, label "RUN" A = Maintained selector switch, label "HAND-OFF-AUTO"	NEMA 4X Fiberglass	120V Transformer type 1NO 1NC	2	52C224X	

① NEMA 4X Stainless Steel Enclosure is 304 SS.

1NO, 1NC

Class 52 oiltight pushbutton stations

Selection and ordering data

	Actuator identification	Degree of protection ^①	Contact / voltage	No. of command points	Order no.	Pack
3 unit control station	C = Indicator light, red B = Momentary flush pushbutton black, label "START" A = Momentary raised pushbutton red, label "STOP"	NEMA 12	120V 1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C307A	Unit
	C = Momentary flush pushbutton black, label "FORWARD" B = Momentary flush pushbutton black, label "FVENSE" A = Momentary raised pushbutton red, label "STOP"	NEMA 12	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C301A	
	C = Momentary flush pushbutton black, label "UP" B = Momentary flush pushbutton black, label "DOWN" A = Momentary raised pushbutton red, label "STOP"	NEMA 12	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C332A	
	C = Momentary flush pushbutton black, label "OPEN" B = Momentary flush pushbutton black, label "CLOSE" A = Momentary raised pushbutton red, label "STOP"	NEMA 12	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C333A	
	C = Momentary flush pushbutton black, label "HI" B = Momentary flush pushbutton, black label "LOW" A = Momentary raised pushbutton red, label "STOP"	NEMA 12	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C334A	
	C = Indicator light, red B = Momentary flush pushbutton black, label "START" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Stainless Steel	120V 1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C307S	
	C = Momentary flush pushbutton black, label "FORWARD" B = Momentary flush pushbutton black, label "REVERSE" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C301S	
	C = Momentary flush pushbutton black, label "UP" B = Momentary flush pushbutton black, label "DOWN" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C332S	
	C = Momentary flush pushbutton black, label "OPEN" B = Momentary flush pushbutton black, label "CLOSE" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C333S	
	C = Momentary flush pushbutton black, label "Hi" B = Momentary flush pushbutton, black label "LOW" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Stainless Steel	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C334S	
	C = Indicator light, red B = Momentary flush pushbutton black, label "START" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Fiberglass	120V 1NO, 1NC 1NO, 1NC	3	52C307X	
	C = Momentary flush pushbutton black, label "FORWARD" B = Momentary flush pushbutton black, label "REVERSE" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C301X	
	C = Momentary flush pushbutton black, label "UP" B = Momentary flush pushbutton black, label "DOWN" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C332X	
	C = Momentary flush pushbutton black, label "OPEN" B = Momentary flush pushbutton black, label "CLOSE" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C333X	
	C = Momentary flush pushbutton black, label "HI" B = Momentary flush pushbutton, black label "LOW" A = Momentary raised pushbutton red, label "STOP"	NEMA 4X Fiberglass	1NO, 1NC 1NO, 1NC 1NO, 1NC	3	52C334X	

① NEMA 4X Stainless Steel Enclosure is 304 SS.

30mm Water, Oil Tight & Corrosion Resistant - Class 52

Empty enclosures

Selection and ordering data



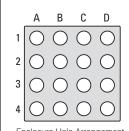
Standard enclosures come with 2 1/4" leg center for legend spacing. Automotive end plates require 2 1/2 " spacing. For more than 2 contact blocks on the right or left, use extra deep enclosure.

Mounting hole arrangement

1 thu 4 are in one row 6 holes are 3 down and 2 across 9 holes are 3 down and 3 across 12 holes are 4 down and 3 across 16 holes are 4 down and 4 across

Number of command points	Degree of protection	Order No.®	Pack
			Unit
1	NEMA Type 12/13	P30EMS01	
1	NEMA Type 12/13 extra deep	P30EMS01D	
1	NEMA Type 4/4X stainless steel	P30EMS014	
1	NEMA Type 4/4X Fiberglass	P30EMS01X	
2	NEMA Type 12/13	P30EMS02	
2	NEMA Type 12/13 extra deep	P30EMS02D	
2	NEMA Type 4/4X stainless steel	P30EMS024	
2	NEMA Type 4/4X Fiberglass	P30EMS02X	
3	NEMA Type 12/13	P30EMS03	
3	NEMA Type 12/13 extra deep	P30EMS03D	
3	NEMA Type 4/4X stainless steel	P30EMS034	
3	NEMA Type 4/4X Fiberglass	P30EMS03X	
4	NEMA Type 12/13	P30EMS04	
4	NEMA Type 12/13 extra deep	P30EMS04D	
4	NEMA Type 4/4X stainless steel	P30EMS044	
4	NEMA Type 4/4X Fiberglass	P30EMS04X	
6	NEMA Type 12/13	P30EMS06	
6	NEMA Type 12/13 extra deep	P30EMS06D	
6	NEMA Type 4/4X stainless steel	P30EMS064	
9	NEMA Type 12/13	P30EMS09	
9	NEMA Type 12/13 extra deep	P30EMS09D	
9	NEMA Type 4/4X stainless steel	P30EMS094	
12	NEMA Type 12/13	P30EMS12	
12	NEMA Type 12/13 extra deep	P30EMS12D	
12	NEMA Type 4/4X stainless steel	P30EMS124	
16	NEMA Type 12/13	P30EMS16	
16	NEMA Type 12/13 extra deep	P30EMS16D	
16	NEMA Type 4/4X stainless steel	P30EMS164	

Order Form



Ordering Information

To order non-standard control stations select catalog numbers from the previous pages, determine the required position in the enclosure and fill in the table below. If a special legend plate is required, specify description in the table. The combined list prices of the components is the list price of the station.

- Select enclosure
- Vertical or Horizontal. Outline Diagram at left starting at the top left-hand corner. Example: 3 unit vertical outline location No. 1A, 2A and 3A. 3 unit horizontal outline location No. 1A, 1B, and 1C
- List location No. and applicable catalog numbers in the table below. Use complete catalog numbers where possible

Order No./Item No.

Customer

Enclosure Catalog No.

Location	Operator PB-SELPL	Accessories Key Lock, Boot, Etc,	Legend Plate Legend or Blank	Special Marking

① NEMA 4X Stainless Steel Enclosure is 304 SS.

Design

The 30 mm legend plates are approved for the use with both Class 51 and Class 52 devices. Automotive legend plates require 2 1/2" mounting centers. Plastic legend plates will have white letters ingraved.

When ordering custom engraved legend plates, specify the required inscription text.

Selection and ordering data

Inscription	Large	Automotive ^①	Large Plastic [®]	Automotive
Hooripacii	(1 7/16" x 2")		(1 7/16" x 2")	Plastic [©] 2
	(17/10/22)	(2 7/16" x 2 7/16")		(2 7/16" x 2 7/16")
		Order No.	Order No.	
	Order No.			Order No.
Blank (brushed aluminum)"	52NL02	52NA02		
Blank (red)"	52NL02R	52NA02R	52ND02R	52NE02R
Blank (Black)"	52NL02B	52NA02B	52ND02R 52ND02B	52NE02B
			32ND02B	52NEU2B
nscribed legend plates w				
Close	52NL18	52NA18		<u> </u>
Down	52NL10	52NA10		
Emerg Stop	52NL16	52NA16	_	
Emerg Stop (red)	52NL16R	52NA16R	_	<u> </u>
ast-Slow	52NL33	52NA33	<u> </u>	<u> </u>
orward	52NL05	52NA05	_	_
or-Off-Rev	52NL38	52NA38	<u> </u>	_
or-Rev	52NL31	52NA31	_	
Hand-Off-Auto	52NL37	52NA37	_	<u> </u>
High	52NL07	52NA07	_	_
High-Low	52NL30	52NA30	_	_
High-Off-Low	52NL44	52NA44		_
n	52NL21	52NA21		_
Jog	52NL13	52NA13		
Jog-Forward	52NL24	52NA24		
Jog-Reverse	52NL25	52NA25	<u>_</u>	
	52NL08			
_OW		52NA08		<u> </u>
ower	52NL20	52NA20	<u> </u>	_
Man-Auto	52NL35	52NA35		
Off	52NL12	52NA12		<u> </u>
Off-On	52NL26	52NA26	<u> </u>	<u> </u>
On	52NL11	52NA11	_	_
On-Off-Auto	52NL40	52NA40	_	_
Open	52NL17	52NA17	_	_
Open-Close	52NL34	52NA34	_	_
Open-Off-Close	52NL41	52NA41	_	_
Out	52NL22	52NA22	_	_
Pull to Start Push to Stop	52NL47	52NA47	_	_
Raise	52NL19	52NA19		_
Raise-Lower	52NL36	52NA36		_
Reset	52NL14	52NA14		
Reverse	52NL06	52NA06	-	<u>-</u>
Run	52NL23	52NA23	<u> </u>	
	52NL29	52NA29		_
Run-Jog			_	_
Safe-Run	52NL27	52NA27	_	_
Slow-Off-Fast	52NL39	52NA39		
Start	52NL03	52NA03		
Start-Jog	52NL28	52NA28		
Start-Stop	52NL32	52NA32	-	<u> </u>
Stop	52NL04	52NA04	-	_
Stop (red)	52NL04R	52NA04R	_	_
Jp	52NL09	52NA09	_	_
Jp-Down	52NL49	52NA49	_	_
Jp-Off-Down	52NL42	52NA42	<u> </u>	_
nscription plates with custo	m engraving			
·		CONTROL		
'Custom engraved	52NL02E	52NA02E	_	_
(brushed aluminum)"	FONI CODE	FONIACODE	FONDCODE	FONFOCRE
	52NL02RE 52NL02BE	52NA02RE 52NA02BE	52ND02RE 52ND02BE	52NE02RE 52NE02BE

Characters per row 14

① Automotive requires 2 1/2" mounting centers

Max. number of rows
Letter height

4

5

7

8

IU

Industrial Controls Catalog

1/4

1/4

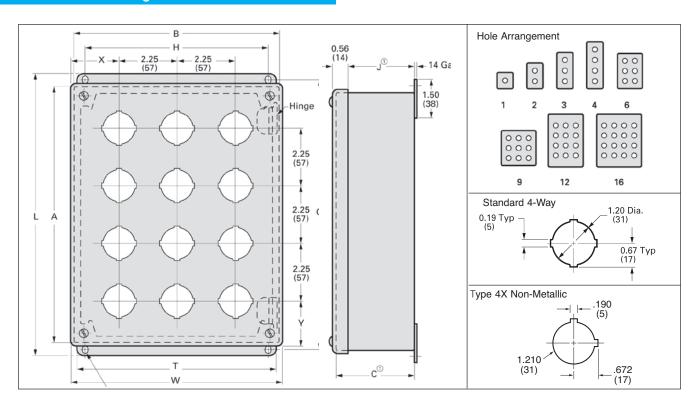
16

5/32

② White letters on plastic nameplate.

30mm Heavy Duty, Watertight/Oiltight, Class 52

Dimensional drawings



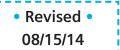
Type 12/13	and 4X Sta	inless Steel									
	Enclosure Size			Mounting		Overall					
Units	Α	В	С	G	Н	L	W	J	Т	Х	Υ
1	3.50 (89)	3.25 (83)	2.75 (70)	4.00 (102)	2.38 (60)	4.50 (114)	3.47 (88)	2.31 (59)	3.00 (76)	1.73 (44)	1.86 (47)
2	5.75 (146)	3.25 (83)	2.75 (70)	6.25 (159)	2.38 (60)	6.75 (171)	3.47 (88)	2.31 (59)	3.00 (76)	1.73 (44)	1.86 (47)
3	8.00 (203)	3.25 (83)	2.75 (70)	8.50 (216)	2.38 (60)	9.00 (229)	3.47 (88)	2.31 (59)	3.00 (76)	1.73 (44)	1.86 (47)
4	10.25 (260)	3.25 (83)	2.75 (70)	10.75 (273)	2.38 (60)	11.25 (286)	3.47 (88)	2.31 (59)	3.00 (76)	1.73 (44)	1.86 (47)
6	9.50 (241)	6.25 (159)	3.00 (76)	10.00 (254)	5.38 (137)	10.50 (267)	6.47 (164)	2.56 (65)	6.00 (152)	2.11 (54)	2.61 (66)
9	9.50 (241)	8.50 (216)	3.00 (76)	10.00 (254)	7.62 (194)	10.50 (267)	8.72 (221)	2.56 (65)	8.25 (210)	2.11 (54)	2.61 (66)
12	11.75 (298)	8.50 (216)	3.00 (76)	12.25 (311)	7.62 (194)	12.75 (324)	8.72 (221)	2.56 (65)	8.25 (210)	2.11 (54)	2.61 (66)
16 ²)	11.75 (298)	10.75 (273)	3.00 (76)	12.25 (311)	9.88 (251)	12.75 (324)	10.97 (279)	2.56 (65)2)	10.50 (267)	2.11 (54)	2.61 (66)

Type 12/	13 Extra De	ep Enclosu	res								
	Enclosure Size			Mounting	l	Overall					
Units	Α	В	С	G	Н	L	W	J	Т	Х	Υ
1	4.00	4.00	4.75	4.50	3.12	5.00	4.22	4.31	3.75	2.11	2.11
2	6.00	4.00	4.75	6.50	3.12	7.00	4.22	4.31	3.75	2.11	1.98
3	8.00	4.00	4.75	8.50	3.12	9.00	4.22	4.31	3.75	2.11	1.86
4	10.00	4.00	4.75	10.50	3.12	11.00	4.22	4.31	3.75	2.11	1.73
6	9.50	6.25	4.75	10.00	5.38	10.50	6.47	4.31	6.00	2.11	2.61
9	9.50	8.50	4.75	10.00	7.62	10.50	8.72	4.31	8.25	2.11	2.61
12	11.75	8.50	4.75	12.25	7.62	12.75	8.72	4.31	8.25	2.11	2.61
16 ²)	11.75	10.75	4.75	12.25	9.88	12.75	10.97	4.31	10.50	2.11	2.61

Type 4X Non-Me	etallic						
	Enclosure Size		Mounting	Mounting Overa		Overall	
Units	Α	В	С	G	Н	L	W
1	6.00	3.19	3.63	4.88	2.94	6.63	3.81
2	6.00	3.19	3.63	4.88	2.94	6.63	3.81
3	8.26	3.19	3.63	7.13	2.94	8.88	3.81
4	10.51	3.19	3.63	9.37	2.94	11.13	3.81

All dimensions shown in inches and (millimeters). For reference purposes only. Not to be used for design or construction purposes.

- 1) Grounding stud in body of enclosure.
- 2) For stainless steel add 1.75 (45) to depth.



Pushbutton Units and Indicator Lights 30 mm Pilot Devices

Technical Specifications

Standards	UL Listed File # E22655	CSA Certified File # LR6535
Utilization	Category NEMA	A600/P600
Degree of Protection	52B, 52P-, 52S-, 52M- Operators	NEMA: 1, 3, 3R, 4, 4X, 12 and 13
•		IEC 529: IP10, IP11, IP14, IP52, IP54, IP56 and IP66

Rated Up	perational Cu	rrent				
	NEMA A600 – 10 (/oltage AC	Continuous Amps Make Amps	Break Amps	NEMA P600 – Rating Codes Circuit Application	s for DC Control	
-	20V	60 6 30 3		Thermal Continuous Test C Maximum Make or Break;		5.0
	240V			125V		.10
	180V	15	1.5	250V	·).55
	600V	12	1.2	301-600V).20
	Total VA	7200	720	Maximum Make or Break		
		7_00		Volt amperes at 300V or Le	ess 1	38
Contact Blo	ocks	52BAK, -BAJ ^① , -B	AH, -BAU, -BJK®	600VAC Maximum, Heavy Duty		
		52BAR		200VAC .25 Amp, 10 Watt Maxir	mum	
				200VDC .50 Amp, 10 Watt Maxin		
Positivo	v driven contacts.	Contact blocks are	e suitable for appli	cations down to 5V/1MA low voltage		d in
© O i Ositive	y driveri contacts.		Class 1; Division 2	·	J. 1-1.	
Pilot Light	Full Voltage	52PL4/52PL5	-B (6-8V), -C (12V), -D (24V), -E (120V), -F (240V)	240V AC/DC Max.	
J	LED Module	or	-L (24V), -M (1	120V) -N (240V)	240V AC Max.	
	Transformer T	Type 52BL4/52BL5	-G (120V), -H	(240V), -J (480V), -K (600V)	600V AC Max., 50/60) Hz
Push-to-Tes	t Full Voltage	52PT6	-B (6-8V), -C (12V), -D (24V), -E (120V), -F (240V)	240V AC/DC Max.	
	LED Module	or	-L (24V), -M (1	120V), -N (240V)	240V AC Max.	
	Transformer T	Type 52BT6	-G (120V), -H	(240V), -J (480V), -K (600V)	600VAC Max., 50/60	Hz
Illuminated	Full Voltage	52PP2(3,7)	-B (6-8V), -C (12V), -D (24V), -E (120V), -F (240V)	240V AC/DC Max.	
Push-Pull	LED Module	or	-L (24V), -M (1	120V), - N (240V)	240V AC Max.	
	Transformer	52BP2(3,7)	-G (120V), -H	(240V), -J (480V), -K (600V)	600VAC Max., 50/60	Hz
Twist-to-	Full Voltage	52BR8	-B (6-8V), -C (12V), -D (24V), -E (120V), -F (240V)	240V AC/DC Max.	
Release	LED Module	or	-L (24V), -M (1	120V), - N (240V)	240V AC Max.	
	Transformer	52PR8		(240V), -J (480V), -K (600V)	600VAC Max., 50/60	Hz
Illuminated	Full Voltage	52SA7(A,B,C		12V), -D (24V), -E (120V), -F (240V)	240V AC/DC Max.	
Selector	Transformer	or	-G (120V), -H	(240V), -J (480V), -K (600V)	600V AC Max., 50/60) Hz
Switch		52SX7(A,B,C)			

Dielectric Strength 2200V for one minute

Mechanical Design Life Cycles		
Vibration	Frequency 5 - 60Hz.; Disp030 inches, sweep 5 minutes for a duration of 30 minutes on each axis. Not to exceed 5.5 G's for maximum of 1 minute.	
Pushbuttons	Momentary, Non-illuminated Momentary, Illuminated	5,000,000 Operating Cycles 300,000 Operating Cycles
Push-Pull	Maintained Momentary	300,000 Operating Cycles 2,000,000 Operating Cycles
Twist-to-Release		300,000 Operating Cycles
Selector Switches	Non-illuminated Illuminated, Key-operated	2,000,000 Operating Cycles 2,000,000 Operating Cycles
Contact Operation	Standard Contact Black Logic Reed	
Wire Gauge	#18-12 AWG	
Terminal Screw Torque	2-10 lb-in / 20 lb-in max; 8 lb-in recommended	
Locknut Torque	15 ft. lbs. max	
Temperature Range	Operating Storage	31F to +158F (-35C to +70C) 40F to +185F (-40C to +85C)

All parts are designed and manufactured of corrosion resistant material or are plated or painted as corrosion protection. All contact block contacts are gold flashed as a standard offering. Internal return spring mechanisms of operators and contact blocks of stainless steel. RoHS Compliant.

Declaration of Conformity — The products listed below, to which this declaration relates, are in conformity with the following standards, following the provisions of the Low Voltage Directive (LVD) (73/23/EEC), and the Electromagnetic Compatibility Directive (89/336/EEC.)

Products: Contact Blocks: Cat Nos. 52BAE, 52BAH, 52BAJ, 52BAK, 52BAR, 52BAU and 52BJK, with suffixes. Pilot Lights: Cat Nos 52P, with suffixes. Operators: Cat Nos 52S or 52P, with suffixes.

Applicable Standards: EN 60947-5-1 Low-Voltage Switchgear and controlgear. Enclosed devices meet the requirements of environmental ratings of IP10, IP11, IP14, IP52, IP54, and IP56. Open devices, when mounted as instructed, in environmental type IP10, IP11, IP14, IP52, IP54 or IP56 enclosures, maintain the environmental requirements for those enclosure types. Cat. No. 52BP, 52BR, 52PP, and 52PR, 2 Position, Twist-To-Release and 2 Position, Push Pull Maintained operators provided with red operating heads and 52BJK contact blocks meet the requirements of EN 60947-5-5 for Electrical Emergency Stop Device With Mechanical Latching Function (e-stop).

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Siemens Industry, Inc. Industrial Controls Catalog

Notes