

## Data sheet

## 3SU1130-7AF10-1QA0-Z Y15

<p>Coordinate switch, 22 mm, round, plastic with metal front ring, black, 4 switch positions, momentary contact type, without mechanical interlocking, in O position, with holder, 1 NO, 1 NO, 1 NO, 1 NO, screw terminal, with laser labeling, upper case and lower case, always upper case at the beginning of the word</p>	
<b>product brand name</b>	SIRIUS ACT
<b>product designation</b>	Coordinate switches
<b>design of the product</b>	Complete unit
<b>product type designation</b>	3SU1
<b>product line</b>	Plastic with metal front ring, matt, 22 mm
<b>manufacturer's article number</b>	
• of supplied contact module at position 1	<a href="#">3SU1400-1AA10-1BA0</a>
• of supplied contact module at position 2	<a href="#">3SU1400-1AA10-1BA0</a>
• of supplied contact module at position 3	<a href="#">3SU1400-1AA10-1BA0</a>
• of supplied contact module at position 4	<a href="#">3SU1400-1AA10-1BA0</a>
• of the supplied holder	<a href="#">3SU1550-0BA10-0AA0</a>
• of the supplied actuator	<a href="#">3SU1030-7AF10-0AA0</a>
<b>Enclosure</b>	
<b>shape of the enclosure front</b>	round
<b>Actuator</b>	
<b>design of the actuating element</b>	without mechanical interlock
<b>principle of operation of the actuating element</b>	momentary contact type
<b>direction of actuation</b>	horizontal / vertical
product extension optional light source	No
color of the actuating element	black
<b>material of the actuating element</b>	plastic
<b>shape of the actuating element</b>	Extended handle
<b>outer diameter of the actuating element</b>	30.5 mm
<b>marking of the actuating element</b>	Any inscription, text in upper/lower case, all words begin with upper case letters
<b>number of contact modules</b>	4
<b>number of switching positions</b>	4
<b>Maximum deflection angle [°]</b>	30°
<b>Front ring</b>	
<b>product component front ring</b>	Yes
<b>design of the front ring</b>	high
<b>material of the front ring</b>	Metal, matt
<b>color of the front ring</b>	sand gray
<b>Holder</b>	
<b>material of the holder</b>	Plastic
<b>General technical data</b>	
product function positive opening	No
<b>insulation voltage rated value</b>	500 V
<b>degree of pollution</b>	3
type of voltage of the operating voltage	AC/DC
<b>surge voltage resistance rated value</b>	6 kV
<b>protection class IP</b>	IP65, IP67
• of the terminal	IP20
<b>shock resistance</b>	
• according to IEC 60068-2-27	sinusoidal half-wave 15g / 11 ms
<b>vibration resistance</b>	
• according to IEC 60068-2-6	10 ... 500 Hz: 5g
<b>operating frequency maximum</b>	2 400 1/h
<b>mechanical service life (operating cycles)</b>	
• as operating period per direction of actuation typical	500 000

electrical endurance (operating cycles) typical	10 000 000
electrical endurance (operating cycles) with contactors 3RT1015 to 3RT1026 typical	10 000 000
thermal current	10 A
reference code according to IEC 81346-2	S
continuous current of the C characteristic MCB	10 A; for a short-circuit current smaller than 400 A
continuous current of the quick DIAZED fuse link	10 A
continuous current of the DIAZED fuse link gG	10 A
Substance Prohibitance (Date)	10/01/2014
operating voltage	
• at AC	
— at 50 Hz rated value	5 ... 500 V
— at 60 Hz rated value	5 ... 500 V
• at DC rated value	5 ... 500 V
<b>Power Electronics</b>	
contact reliability	One maloperation per 100 million (17 V, 5 mA), one maloperation per 10 million (5 V, 1 mA)
<b>Auxiliary circuit</b>	
design of the contact of auxiliary contacts	Silver alloy
number of NC contacts for auxiliary contacts	0
number of NO contacts for auxiliary contacts	4
<b>Connections/ Terminals</b>	
type of electrical connection of modules and accessories	Screw-type terminal
type of connectable conductor cross-sections	
• solid with core end processing	2x (0.5 ... 0.75 mm <sup>2</sup> )
• solid without core end processing	2x (1.0 ... 1.5 mm <sup>2</sup> )
• finely stranded with core end processing	2x (0.5 ... 1.5 mm <sup>2</sup> )
• finely stranded without core end processing	2x (1.0 ... 1.5 mm <sup>2</sup> )
• for AWG cables	2x (18 ... 14)
tightening torque of the screws in the bracket	1 ... 1.2 N·m
tightening torque for auxiliary contacts with screw-type terminals	0.8 ... 1 N·m
<b>Safety related data</b>	
B10 value with high demand rate according to SN 31920	250 000
proportion of dangerous failures	
• with low demand rate according to SN 31920	20 %
• with high demand rate according to SN 31920	20 %
failure rate [FIT] with low demand rate according to SN 31920	100 FIT
<b>Ambient conditions</b>	
ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +80 °C
environmental category during operation according to IEC 60721	3M6, 3S2, 3B2, 3C3, 3K6 (with relative air humidity of 10 ... 95%, no condensation in operation permitted for all devices behind front panel)
<b>Installation/ mounting/ dimensions</b>	
fastening method	front plate mounting
• of modules and accessories	Front plate mounting
height	40 mm
width	40 mm
shape of the installation opening	round
mounting diameter	22.3 mm
positive tolerance of installation diameter	0.4 mm
mounting height	71.3 mm
installation width	30.5 mm
installation depth	53.7 mm
<b>Certificates/ approvals</b>	
<b>Further information</b>	
Siemens has decided to exit the Russian market (see here). <a href="https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business">https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business</a>	
Siemens is working on the renewal of the current EAC certificates. Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).	
Information on the packaging <a href="https://support.industry.siemens.com/cs/ww/en/view/109813875">https://support.industry.siemens.com/cs/ww/en/view/109813875</a>	

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3SU1130-7AF10-1QA0-Z Y15>

Cax online generator

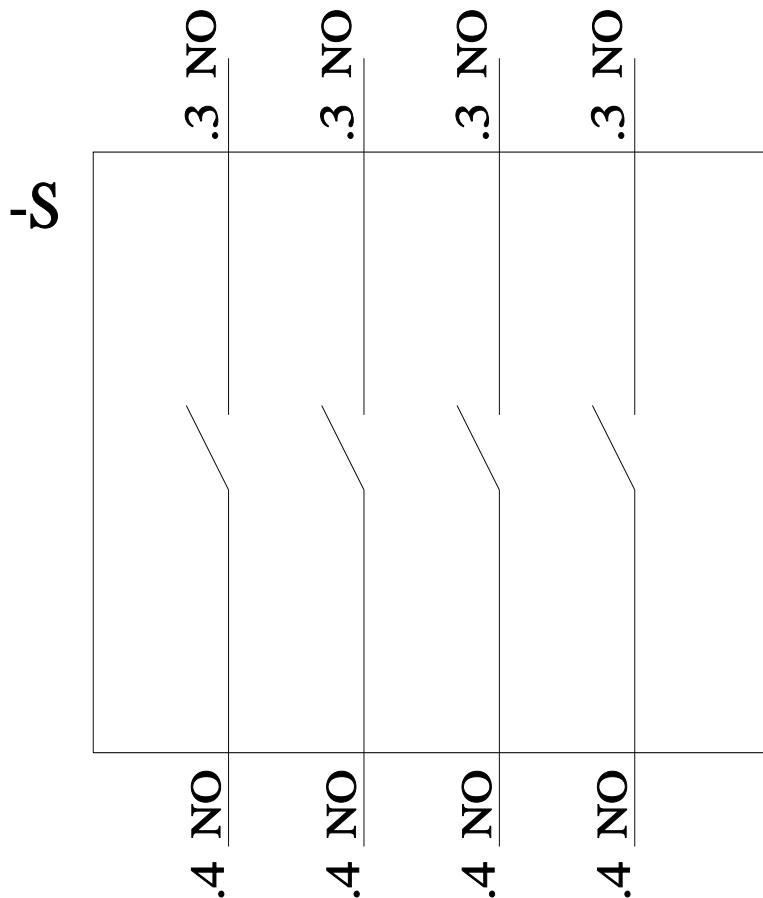
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3SU1130-7AF10-1QA0-Z Y15>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3SU1130-7AF10-1QA0-Z Y15>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3SU1130-7AF10-1QA0-Z Y15&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3SU1130-7AF10-1QA0-Z Y15&lang=en)



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