Product data sheet

Specifications





Illuminated push button, Harmony XB5, antimicrobial, plastic, orange, 30mm, universal LED, 1NO + 1NC, 24V AC DC

XB5FW35B5

Main

Range Of Produc	Harmony XB5
Product Or Component Type	Illuminated push-button
Device Short Name	XB5F
Bezel Material	Dark grey plastic
Fixing Collar Material	Plastic
Head Type	Built-in-flush
Mounting Diameter	1.20 in (30.5 mm)
Sale Per Indivisible Quantity	1
Shape Of Signaling Unit Head	Round
Type Of Operator	spring return
Operator Profile	Orange flush, unmarked
Operator Additional Information	With plain lens
Contacts Type And Composition	1 NO + 1 NC
Contact Operation	Slow-break
Connections - Terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, 1 x 0.222 x 2.5 mm² without cable end IEC 60947-1
Light Source	Universal LED
Bulb Base	Integral LED
[Us] Rated Supply Voltage	24 V AC/DC 50/60 Hz
Cap/Operator Or Lens Colour	Orange

Complementary

•	
Height	1.65 in (42 mm)
Width	1.44 in (36.6 mm)
Depth	2.17 in (55 mm)
Terminals Description Iso N°1	(21-22)NC (13-14)NO
Resistance To High Pressure Washer	1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m
Contacts Usage	Standard contacts
Positive Opening	With IEC 60947-5-1 appendix K
Operating Travel	0.06 in (1.5 mm) NC changing electrical state) 0.10 in (2.6 mm) NO changing electrical state) 0.17 in (4.3 mm) total travel)

Operating Force	3.5 N NC changing electrical state 3.8 N				
Mechanical Durability	10000000 cycles				
Tightening Torque	7.0810.62 lbf.in (0.81.2 N.m) IEC 60947-1				
Shape Of Screw Head	Cross Philips no 1 Cross pozidriv No 1 Slotted flat Ø 4 mm Slotted flat Ø 5.5 mm				
Contacts Material	Silver alloy (Ag/Ni)				
Short-Circuit Protection	10 A cartridge fuse gG IEC 60947-5-1				
[Ith] Conventional Free Air Thermal Current	10 A IEC 60947-5-1				
[Ui] Rated Insulation Voltage	600 V 3)IEC 60947-1				
[Uimp] Rated Impulse Withstand Voltage	6 kV IEC 60947-1				
[le] Rated Operational Current	3 A 240 V, AC-15, A600 IEC 60947-5-1 6 A 120 V, AC-15, A600 IEC 60947-5-1 0.1 A 600 V, DC-13, Q600 IEC 60947-5-1 0.27 A 250 V, DC-13, Q600 IEC 60947-5-1 0.55 A 125 V, DC-13, Q600 IEC 60947-5-1 1.2 A 600 V, AC-15, A600 IEC 60947-5-1				
Electrical Durability	1000000 cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C				
Electrical Reliability	Λ < 10exp(-6) 5 V, 1 mA in clean environment IEC 60947-5-4 Λ < 10exp(-8) 17 V, 5 mA in clean environment IEC 60947-5-4				
Signalling Type	Steady				
Supply Voltage Limits	19.230 V DC 21.626.4 V AC				
Current Consumption	18 mA				
Service Life	100000 h at rated voltage and 25 °C				
Surge Withstand	1 kV IEC 61000-4-5				
Device Presentation	Complete product				
Environment					
Protective Treatment	тн				
Ambient Air Temperature For Storage	-40158 °F (-4070 °C)				

Protective Treatment	тн
Ambient Air Temperature For Storage	-40158 °F (-4070 °C)
Ambient Air Temperature For Operation	-40158 °F (-4070 °C)
Overvoltage Category	Class II IEC 60536
Ip Degree Of Protection	IP66 IEC 60529 IP67 IP69 IP69K
Nema Degree Of Protection	NEMA 13 NEMA 4X
Ik Degree Of Protection	IK03 IEC 50102

Standards	IEC 60947-1 UL 508 JIS C8201-5-1 IEC 60947-5-4 IEC 60947-5-1 CSA C22.2 No 14 JIS C8201-1 ISO 22196:2011 ISO 21702
Product Certifications	UL listed CSA
Vibration Resistance	5 gn 2500 Hz)IEC 60068-2-6
Shock Resistance	30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27
Resistance To Fast Transients	2 kV IEC 61000-4-4
Resistance To Electromagnetic Fields	9.14 V/yd (10 V/m) IEC 61000-4-3
Resistance To Electrostatic Discharge	6 kV on contact (on metal parts) IEC 61000-4-2 8 kV in free air (in insulating parts) IEC 61000-4-2
Electromagnetic Emission	Class B IEC 55011

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.39 in (8.600 cm)
Package 1 Width	1.69 in (4.300 cm)
Package 1 Length	2.05 in (5.200 cm)
Package 1 Weight	1.83 oz (52.000 g)

Sustainability Screen Premium*

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

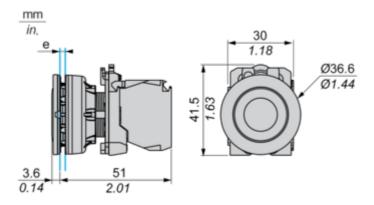
Yes

Certifications & Standards

Reach Regulation	REACh Declaration	
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
China Rohs Regulation	China RoHS declaration	
Environmental Disclosure	Product Environmental Profile	
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	
Circularity Profile	End of Life Information	

Dimensions Drawings

Dimensions



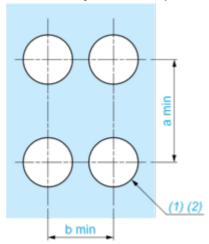
e: Clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

XB5FW35B5

Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Clamp Terminals or Plug-in Connectors



(1) Diameter on finished panel or support

(2) Ø30.75 mm recommended (Ø30.5 $_0^{+0.5}$) / Ø1.21 in. recommended (Ø1.20 in. $_0^{+0.0196}$)

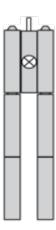
· · · · · · · · · · · · · · · · · · ·			•	
Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	40	1.57
By Faston connectors	45	1.77	40	1.57

Product data sheet

XB5FW35B5

Technical Description

Electrical Composition Corresponding to Codes M1 and M7



Electrical Composition Corresponding to Codes M2 and M8



Electrical Composition Corresponding to Codes M6 and P2



Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2



Legend

Single contact



Double contact



Light block



Possible location



Life Is On Schneider

Product data sheet

XB5FW35B5

Technical illustration

Dimensions