Product datasheet

Specifications





white flush complete illum pushbutton Ø22 spring return 1NO+1NC 250V

XB5AW3165

(!) Discontinued

Main

Range Of Product	Harmony XB5
Product Or Component Type	Illuminated push-button
Device Short Name	XB5
Bezel Material	Dark grey plastic
Fixing Collar Material	Plastic
Head Type	Standard
Mounting Diamete	22.5 mm
Sale Per Indivisible Quantity	1
Shape Of Signaling Unit Head	Round
Type Of Operator	spring return
Operator Profile	White 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 conforming to IEC 60947-1 Screw clamp terminals, 1 x 0.222 x 2.5 mm² without cable end conforming to IEC 60947-1
Light Source	Bulb not included
Bulb Base	BA 9s
Light Block Supply	Direct <2.4 W
[Us] Rated Supply Voltage	<= 250 V
Cap/Operator Or Lens Colour	White

Complementary

Height	42 mm
Width	30 mm
Depth	54 mm
Terminals Description Iso N°1	(13-14)NO (21-22)NC
Net Weight	0.057 kg
Resistance To High Pressure Washer	7000000 Pa at 55 °C, distance : 0.1 m

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Contacts Usage	Standard contacts				
Positive Opening	With conforming to IEC 60947-5-1 appendix K				
Operating Travel	1.5 mm (NC changing electrical state) 2.6 mm (NO changing electrical state) 4.3 mm (total travel)				
Operating Force	3.5 N NC changing electrical state 3.8 N				
Mechanical Durability	10000000 cycles				
Tightening Torque	0.81.2 N.m conforming to IEC 60947-1				
Shape Of Screw Head	Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver				
Contacts Material	Silver alloy (Ag/Ni)				
Short-Circuit Protection	10 A cartridge fuse type gG conforming to IEC 60947-5-1				
[Ith] Conventional Free Air Thermal Current	10 A conforming to IEC 60947-5-1				
[Ui] Rated Insulation Voltage	600 V (pollution degree 3) conforming to IEC 60947-1				
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947-1				
[le] Rated Operational Current	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1				
Electrical Durability	1000000 cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C				
Electrical Reliability	Λ < 10exp(-6) at 5 V, 1 mA in clean environment conforming to IEC 60947-5-4 Λ < 10exp(-8) at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4				
Signalling Type	Steady				
Device Presentation	Complete product				
Environment					
Protective Treatment	тн				
Ambient Air Temperature For Storage	-4070 °C				
Ambient Air Temperature For Operation	-4055 °C				
Overvoltage Category	Class II conforming to IEC 60536				
Ip Degree Of Protection	IP66 conforming to IEC 60529 IP69 IP69K IP67				
Nema Degree Of Protection	NEMA 13 NEMA 4X				

IK05 conforming to IEC 50102

Ik Degree Of Protection

Standards	UL 508 IEC 60947-5-4 IEC 60947-5-1 JIS C8201-5-1 IEC 60947-1 CSA C22.2 No 14 JIS C8201-1
Product Certifications	UL listed BV GL LROS (Lloyds register of shipping) DNV CSA
Vibration Resistance	5 gn (f= 2500 Hz) conforming to IEC 60068-2-6
Shock Resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.500 cm
Package 1 Width	5.500 cm
Package 1 Length	8.500 cm
Package 1 Weight	55.000 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	55
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	3.286 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	880
Package 3 Height	75.000 cm
Package 3 Width	80.000 cm
Package 3 Length	60.000 cm
Package 3 Weight	60.576 kg

Contractual warranty

Warranty 18 months

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

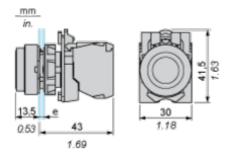
Certifications & Standards

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				

13-Jun-2024

Dimensions Drawings

Dimensions

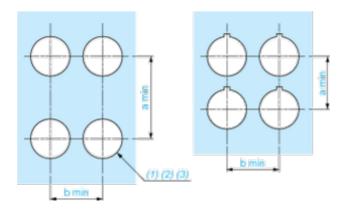


e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

Mounting and Clearance

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

Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3) Ø22.5 mm recommended (Ø22.3 $_0^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 in. $_0^{+0.016}$)

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Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	30	1.18
By Faston connectors	45	1.77	32	1.26
On printed circuit board	30	1.18	30	1.18

Detail of Lug Recess



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended. (3) \emptyset 22.5 mm recommended (\emptyset 22.3 $_0^{+0.4}$) / \emptyset 0.89 in. recommended (\emptyset 0.88 in. $_0^{+0.016}$)