Product datasheet

Specifications





Push button, plastic, projecting, green, Ø22, spring return, booted, unmarked, 1 NO

XB5AP31

Main

Range Of Product	Harmony XB5				
Product Or Component Type	Push-button				
Device Short Name	XB5				
Product Compatibility	Not compatible with legend holder				
Bezel Material	Plastic Dark grey plastic				
Head Type	Standard				
Fixing Collar Material	Plastic				
Mounting Diamete	22.5 mm				
Sale Per Indivisible Quantity	1				
Shape Of Signaling Unit Head	Round				
Type Of Operator	spring return				
Operator Profile	Green projecting, unmarked				
Operator Additional Information	Clear boot				
Contacts Type And Composition	1 NO				
Contact Operation	Slow-break				
Connections - Terminals Screw clamp terminals, <= 2 x 1.5 mm ² with cable end conforming to IEC 60 Screw clamp terminals, 1 x 0.222 x 2.5 mm ² without cable end conforming 60947-1					

Complementary

Height	42 mm
Width	30 mm
Depth	61 mm
Terminals Description Iso N°1	(13-14)NO
Net Weight	0.039 kg
Resistance To High Pressure Washer	7000000 Pa at 55 °C, distance : 0.1 m
Contacts Usage	Standard contacts
Positive Opening	Without
Operating Travel	2.6 mm (NO changing electrical state)4.3 mm (total travel)
Operating Force	3.8 N NO changing electrical state
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 \emptyset 4 mm screwdriver Slotted compatible with flat \emptyset 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 and 1 mA in clean environment conforming to IEC 60947-5-4 Λ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4		
Device Presentation	Complete product		
Customizable	No		
Customizable	1		
Gcr Bridge	XB5APCUST01		
Compatibility Code	XB5		

Environment

Protective Treatment	тн
Ambient Air Temperature For Storage	-4070 °C
Ambient Air Temperature For Operation	-4070 °C
Overvoltage Category	Class II conforming to IEC 60536
Ip Degree Of Protection	IP66 conforming to IEC 60529 IP67
Nema Degree Of Protection	NEMA 13 NEMA 4X
Ik Degree Of Protection	IK03 conforming to IEC 50102
Standards	IEC 60947-5-1 IEC 60947-1 JIS C8201-5-1 IEC 60947-5-4 CSA C22.2 No 14 UL 508 JIS C8201-1

Product Certifications	UL listed DNV CSA GL LROS (Lloyds register of shipping) BV RINA
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	8.8 cm
Package 1 Width	3.4 cm
Package 1 Length	5.4 cm
Package 1 Weight	39 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	5
Package 2 Height	3.4 cm
Package 2 Width	8.8 cm
Package 2 Length	26.5 cm
Package 2 Weight	199 g
Unit Type Of Package 3	S03
Number Of Units In Package 3	100
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	4.466 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

Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes

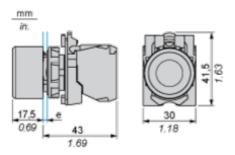
Certifications & Standards

Reach Regulation	REACh Declaration				
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration				
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				

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Dimensions Drawings

Dimensions



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

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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 or on Printed Circuit Board

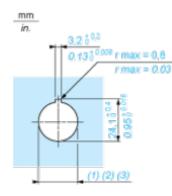


(1) Diameter on finished panel or support

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

5				0
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. $_0^{+0.016}$)