Product data sheet

Specifications





red projecting complete pushbutton Ø22 spring return 1NC unmarked

XB5AP42

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	Red projecting, unmarked			
Operator Additional Information	Clear boot			
Contacts Type And Composition	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			

Complementary

Height	42 mm
Width	30 mm
Depth	61 mm
Terminals Description Iso N°1	(21-22)NC
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	With conforming to IEC 60947-5-1 appendix K
Operating Travel	1.5 mm (NC changing electrical state) 4.3 mm (total travel)
Operating Force	3.5 N NC changing electrical state
Mechanical Durability	10000000 cycles

List Price displayed is VAT EXCLUSIVE.

The base of the second				
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			
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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	0			
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			

Protective Treatment	TH
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	UL 508 JIS C8201-5-1 IEC 60947-1 IEC 60947-5-1 CSA C22.2 No 14 IEC 60947-5-4 JIS C8201-1

Product Certifications	GL LROS (Lloyds register of shipping) DNV BV CSA RINA UL listed
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	5.3 cm
Package 1 Weight	40.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	50
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	2.327 kg

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

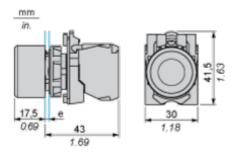
⊘	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

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

Dimensions Drawings

Dimensions

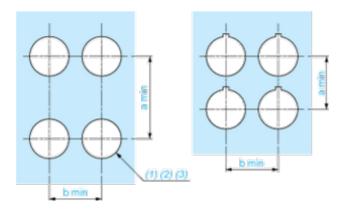


e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

Mounting and Clearance

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

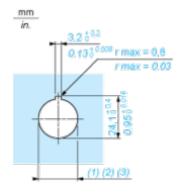
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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. $_0^{+0.016}$)