# **Product data sheet**

Specification





Push button, Harmony XB5, plastic, projecting, red, 22mm, spring return, unmarked, 1NC

XB5AL42

Product availability: Stock - Normally stocked in distribution

Price\*: 38.50 USD

### Main

Range Of Product	Harmony XB5			
	Tomony 7.50			
Product Or Component Type	Push-button			
Device Short Name	XB5			
Bezel Material	Plastic Dark grey plastic			
Head Type	Standard			
Fixing Collar Material	Plastic			
Mounting Diameter	0.89 in (22.5 mm)			
Sale Per Indivisible Quantity	1			
Shape Of Signaling Unit Head	Round			
Type Of Operator	spring return			
Operator Profile	Red projecting, unmarked			
Contacts Type And Composition	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			

### **Complementary**

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Height	1.65 in (42 mm)
Width	1.18 in (30 mm)
Depth	2.24 in (57 mm)
Terminals Description Iso N°1	(21-22)NC
Net Weight	0.08 lb(US) (0.038 kg)
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) 0.17 in (4.3 mm) total travel)
Operating Force	3.5 N NC changing electrical state
Mechanical Durability	10000000 cycles
Tightening Torque	7.0810.62 lbf.in (0.81.2 N.m) IEC 60947-1

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Shape Of Screw Head	Cross Philips no 1			
	Cross pozidriv No 1			
	Slotted flat Ø 4 mm			
	Slotted flat Ø 5.5 mm			
	0.00.00 1.00.00 1.1111			
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, 2 A 250 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-13, 4 A 24 V 3000 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	∧ < 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			
Device Presentation	Complete product			
Customizable	No			
Customizable	1			
Gcr Bridge	XB5ALCUST01			
Compatibility Code	XB5			

### **Environment**

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 conforming to IEC 50102
Standards	IEC 60947-1 IEC 60947-5-4 UL 508 JIS C8201-5-1 CSA C22.2 No 14 IEC 60947-5-1 JIS C8201-1
Product Certifications	GL LROS (Lloyds register of shipping) RINA BV CSA DNV UL Listed
Vibration Resistance	5 gn 2500 Hz)IEC 60068-2-6

## Ordering and shipping details

Category	US10CS222467
Discount Schedule	0CS2
Gtin	3389110903645
Returnability	Yes
Country Of Origin	FR

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.46 in (8.800 cm)
Package 1 Width	1.34 in (3.400 cm)
Package 1 Length	2.13 in (5.400 cm)
Package 1 Weight	1.27 oz (36.000 g)
Unit Type Of Package 2	BB1
Number Of Units In Package 2	5
Package 2 Height	3.46 in (8.800 cm)
Package 2 Width	1.34 in (3.400 cm)
Package 2 Length	10.43 in (26.500 cm)
Package 2 Weight	6.46 oz (183.000 g)
Unit Type Of Package 3	S03
Number Of Units In Package 3	100
Package 3 Height	11.81 in (30.000 cm)
Package 3 Width	11.81 in (30.000 cm)
Package 3 Length	15.75 in (40.000 cm)
Package 3 Weight	9.25 lb(US) (4.196 kg)

## **Contractual warranty**

Warranty 18 months

## Sustainability Screen Premium

**Green Premium**<sup>TM</sup> **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-CO<sub>2</sub> 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

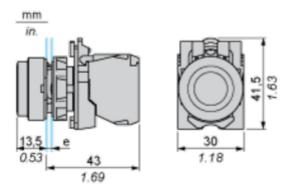
<b>②</b>	Reach Free Of Svhc	
<b>②</b>	Toxic Heavy Metal Free	
	Mercury Free	
	Rohs Exemption Information	Yes

#### **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			
California Proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov			

### **Dimensions Drawings**

#### **Dimensions**

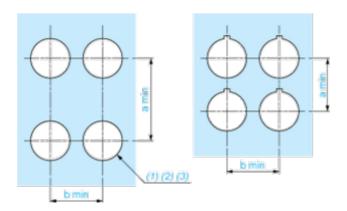


e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

#### Mounting and Clearance

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

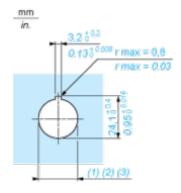
#### Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



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

				•
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.  $_0^{+0.016}$ )