# **Product datasheet**

Specifications





Complete emergency switching off push button, Harmony XB5, red Ø 40 pushbutton Ø22 mm latching turn release 1NC

XB5AS542

① Discontinued

Discontinued on: 01-Nov-2020

#### Main

Range Of Product	Harmony XB5					
Product Or Component Type	Complete emergency switching off push-button					
Device Short Name	XB5					
Bezel Material	Plastic					
Fixing Collar Material	Plastic					
Head Type	Standard					
Mounting Diameter	22 mm					
Sale Per Indivisible Quantity	1					
Shape Of Signaling Unit Head	Round					
Type Of Operator	mechanical latching					
Reset	Turn to release					
Operator Profile	Red mushroom Ø 40 mm, unmarked					
Contact Operation	Slow-break					
Connections - Terminals	Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end conforming to EN 60947-1 Screw clamp terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end conforming to EN 60947-1					

### Complementary

Height	43 mm		
Width	40 mm		
Depth	100 mm		
Terminals Description Iso N°1	(11-12)NC		
Resistance To High Pressure Washer	7000000 Pa at 55 °C, distance : 0.1 m		
Contacts Usage	Standard contacts		
Positive Opening	With conforming to EN/IEC 60947-5-1 appendix K		
Operating Travel	1.5 mm (NC changing electrical state) 4.3 mm (total travel)		
Mechanical Durability	300000 cycles		
Tightening Torque	0.81.2 N.m conforming to EN 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 EN/IEC 60947-5-1				
[Ith] Conventional Free Air Thermal Current	10 A conforming to EN/IEC 60947-5-1				
[Ui] Rated Insulation Voltage	600 V (pollution degree 3) conforming to EN 60947-1				
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to EN 60947-1				
[le] Rated Operational Current	3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to EN/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 EN/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 EN/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 EN/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 EN/IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.2 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C				
Electrical Reliability	$\Lambda$ < 10exp(-6) at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda$ < 10exp(-8) at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4				

## 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 IP69 IP69K					
Nema Degree Of Protection	NEMA 13 NEMA 4X					
Ik Degree Of Protection	IK03 conforming to IEC 50102					
Product Certifications	LROS (Lloyds register of shipping) GL UL listed DNV CSA BV					
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					

## **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

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

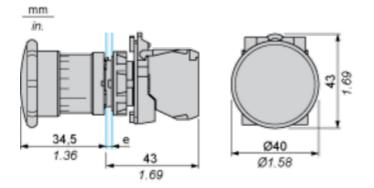
#### **Certifications & Standards**

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

## **Product datasheet**

#### **Dimensions Drawings**

#### Dimensions



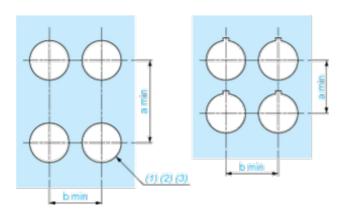
e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

### **Product datasheet**

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

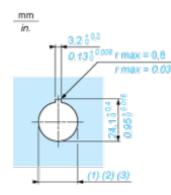


(1) Diameter on finished panel or support

(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.  $_0^{+0.016}$ )

				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.  $_0^{+0.016}$ )