

Product datasheet

Specifications



Harmony XB5, Emergency stop switching off, plastic, red mushroom Ø40, Ø22 trigger latching push-pull, 1 NC

Local distributor code:

409063525

XB5AT842

EAN Code: 3606480623684

Main

Range Of Product	Harmony XB5
Product Or Component Type	Emergency stop push-button Emergency switching off push-button
Device Short Name	XB5
Bezel Material	Dark grey 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	trigger action and mechanical latching
Reset	Push-pull
Operator Profile	Red mushroom Ø 40 mm, unmarked
Contact Operation	Slow-break
Connections - Terminals	Screw clamp terminals, <= 2 x 1.5 mm ² with cable end conforming to IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm ² without cable end conforming to IEC 60947-1
Device Presentation	Complete product

Complementary

Height	43 mm
Width	40 mm
Depth	82 mm
Terminals Description Iso N°1	(11-12)NC
Net Weight	0.065 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)
Mechanical Durability	300000 cycles
Tightening Torque	0.8...1.2 N.m conforming to IEC 60947-1

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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
[Ie] 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	$\Lambda < 10\exp(-6)$ at 5 V, 1 mA in clean environment conforming to IEC 60947-5-4 $\Lambda < 10\exp(-8)$ at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4

Environment

Protective Treatment	TH
Ambient Air Temperature For Storage	-40...70 °C
Ambient Air Temperature For Operation	-40...70 °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
Standards	IEC 60947-5-4 IEC 60364-5-53 IEC 60204-1 ISO 13850 IEC 60947-5-1 JIS C8201-5-1 IEC 60947-1 UL 508 CSA C22.2 No 14 IEC 60947-5-5 JIS C8201-1
Product Certifications	CSA DNV BV UL listed GL LROS (Lloyds register of shipping)
Vibration Resistance	5 gn (f= 2...500 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	4.5 cm
Package 1 Width	5.4 cm
Package 1 Length	9.5 cm
Package 1 Weight	64.0 g
Unit Type Of Package 2	S02
Number Of Units In Package 2	42
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.127 kg

Contractual warranty

Warranty	18 months
----------	-----------

Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class 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 >](#)



RoHS/REACH

Well-being performance

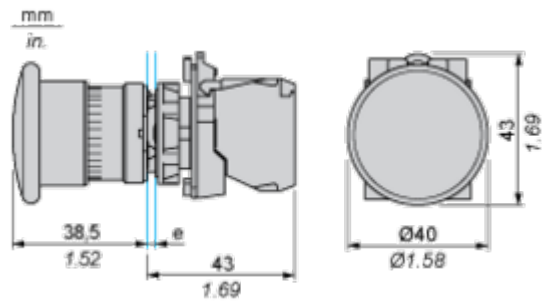
✓	Reach Free Of Svhc	
✓	Toxic Heavy Metal Free	
✓	Mercury Free	
✓	Rohs Exemption Information	Yes

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
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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 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) Ø22.5 mm recommended ($\text{Ø}22.3 \begin{smallmatrix} +0.4 \\ 0 \end{smallmatrix}$) / Ø0.89 in. recommended ($\text{Ø}0.88 \text{ in. } \begin{smallmatrix} +0.016 \\ 0 \end{smallmatrix}$)

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) Ø22.5 mm recommended ($\text{Ø}22.3 \begin{smallmatrix} +0.4 \\ 0 \end{smallmatrix}$) / Ø0.89 in. recommended ($\text{Ø}0.88 \text{ in. } \begin{smallmatrix} +0.016 \\ 0 \end{smallmatrix}$)