

Product data sheet

Specifications



Emergency stop switching off,
Harmony XB5, plastic, red
mushroom 40mm, 22mm, trigger
latching turn to release, 2NC with
monitoring

XB5AS84462

**Product availability: Non-Stock - Not normally stocked in
distribution facility**

Main

Range of Product	Harmony XB5
Product or Component Type	Emergency switching off push-button Emergency stop push-button
Device short name	XB5
Bezel material	Plastic
Fixing collar material	Plastic
Head type	Standard
Mounting diameter	0.9 in (22 mm)
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Type of operator	trigger action and mechanical latching
Reset	Turn to release
Operator profile	Red mushroom Ø 40 mm, unmarked
Contacts type and composition	2 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 0.34 mm² without cable end IEC 60947-1
Device presentation	Complete product

Complementary

Height	1.7 in (43 mm)
Width	1.6 in (40 mm)
Depth	3.3 in (85 mm)
Net Weight	0.130 lb(US) (0.059 kg)
Device mounting	Fixing hole 0.9 in (22.5 mm) +/- 0.2 mm
Fixing mode	Fixing nut 19.5 lbf.in (2.2 N.m) +/- 0.2)
Contacts usage	Monitoring contact Standard contacts
Positive opening	With IEC 60947-5-1 appendix K
Operating travel	0.06 in (1.5 mm) NC changing electrical state) 0.2 in (4.3 mm) total travel)

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

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

Operating force	47 N
Mechanical durability	300000 cycles
Tightening torque	7.08...10.6 lbf.in (0.8...1.2 N.m) IEC 60947-1
Shape of screw head	Cross pozidriv No 1 Slotted flat Ø 4 mm Slotted flat Ø 5.5 mm
Contacts material	Silver alloy (AgNi) Silver alloy (AgSnO2)
Short-circuit protection	6 A cartridge fuse gG IEC 60947-5-1
[Ith] conventional free air thermal current	6 A IEC 60947-5-1
[Ui] rated insulation voltage	300 V 3)IEC 60947-1
[Uimp] rated impulse withstand voltage	4 kV IEC 60947-1
[Ie] rated operational current	1.5 A 240 V, AC-15, B300 IEC 60947-5-1 3 A 120 V, AC-15, B300 IEC 60947-5-1 0.11 A 250 V, DC-13, R300 IEC 60947-5-1 0.22 A 125 V, DC-13, R300 IEC 60947-5-1
Electrical durability	300000 cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 300000 cycles, AC-15, 3 A 110 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 300000 cycles, AC-15, 3 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 300000 cycles, DC-13, 0.3 A 120 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C 300000 cycles, DC-13, 1 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C
Electrical reliability	$\Lambda < 10\exp(-6)$ 5 V, 1 mA in clean environment IEC 60947-5-4 $\Lambda < 10\exp(-8)$ 17 V, 3.4 mA in clean environment IEC 60947-5-4

Environment

Protective treatment	TH
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Ambient Air Temperature for Operation	-40...158 °F (-40...70 °C)
Overvoltage category	Class II conforming to IEC 60536
IP degree of protection	IP66 IEC 60529 IP67 IEC 60529 IP69 IEC 60529 IP69K ISO 20653 Type 13 UL 50E Type 12 UL 50E Type 4 UL 50E Type 4X UL 50E
IK degree of protection	IK03 conforming to IEC 60068-2-75
Standards	IEC 60947-1 IEC 60947-5-1 IEC 60947-5-5 IEC 60204-1 IEC 60947-5-4 IEC 60364-5-53 ISO 13850 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-1 JIS C8201-5-1 GB/T 14048.5 BS EN 60947-5-1 GOST IEC 60947-5-1

Product Certifications	CSA BV UL Listed LROS (Lloyds register of shipping) DNV CE CCC CB Scheme UKCA EAC
Vibration resistance	5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6 25 mm peak to peak (f= 2...10 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27 25 gn 6 ms) 1000 shocks on each axis IEC 60068-2-27

Ordering and shipping details

Category	US10CS222467
Discount Schedule	0CS2
GTIN	3606481068750
Returnability	No
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	1.69 in (4.300 cm)
Package 1 Width	2.13 in (5.400 cm)
Package 1 Length	3.46 in (8.800 cm)
Package weight(Lbs)	2.575 oz (73.000 g)
Unit Type of Package 2	S03
Number of Units in Package 2	80
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	14.066 lb(US) (6.380 kg)

Contractual warranty

Warranty	18 months
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	1
Environmental Disclosure	Product Environmental Profile

Use Better

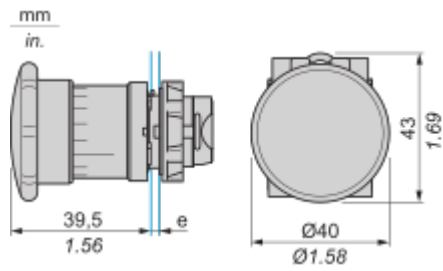
Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Compliant
REACH Regulation	REACH Declaration

Use Again

Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

Dimensions Drawings

Dimensions

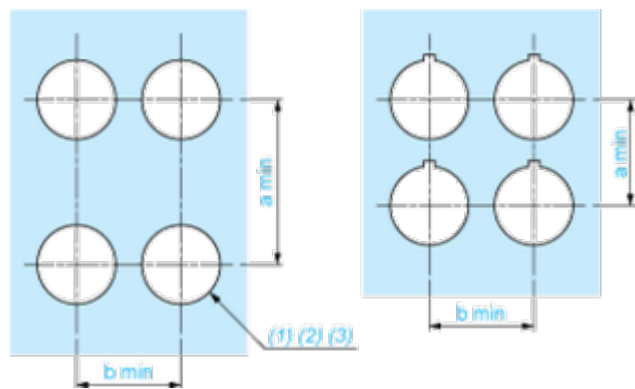


e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

Mounting and Clearance

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

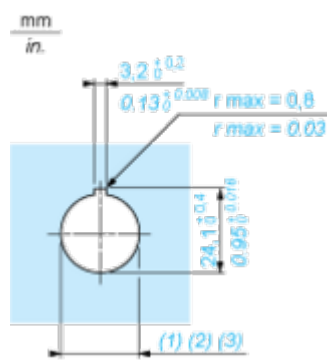
Connection by Screw Clamp Terminals



- (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 ($\text{Ø}22.3^{+0.4}_0$) / Ø0.89 in. recommended ($\text{Ø}0.88\text{ in.}^{+0.016}_0$)

Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals	50	1.97	40	1.57

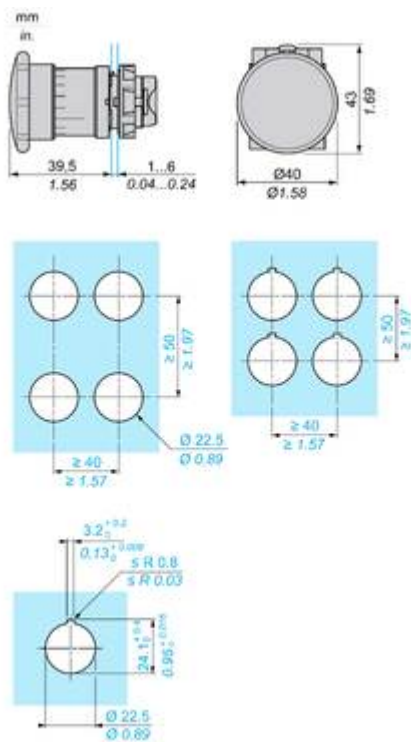
Detail of Lug Recess



- (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 ($\text{Ø}22.3^{+0.4}_0$) / Ø0.89 in. recommended ($\text{Ø}0.88\text{ in.}^{+0.016}_0$)

Technical Illustration

Dimensions

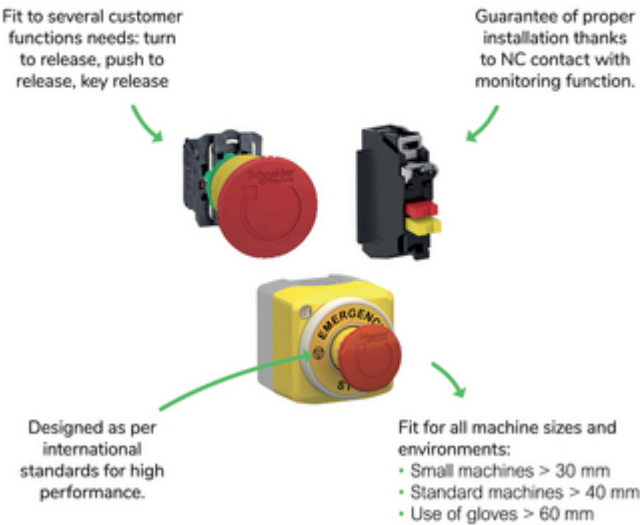


Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony XB5 e-stop function



Offer Marketing Illustration

Product benefits / Features

Features

Harmony XB5 e-stop function



Wide modular range to suit machines and operator safety.



Ergonomic design for emergency actuation in several environments



Designed to fit in a standard 22mm cut-out or Harmony XALK control station ensuring compatibility with pre-existing machinery



Large set of accessories: circular legends, illuminated legend rings, protective bellows for harsh environments and protective guards.



Illuminated types to improve operator efficiency by reducing production downtime.

Image of product / Alternate images

Alternative

