

# Product datasheet

Specifications



Harmony XB5, Emergency stop , plastic, red mushroom Ø40, Ø22, trigger latching turn to release, monitoring contact, 1 NO + 2 NC

XB5AS84449

**!** To be discontinued on: 31 October 2023

**!** To be discontinued

## Main

Range of product	Harmony XB5
Product or component type	Emergency stop 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	trigger action and mechanical latching with mechanical state indicator
Reset	Push-pull Turn to release
Operator profile	Red mushroom Ø 40 mm, unmarked
Contact operation	Slow-break
Connections - terminals	Screw clamp terminals, <= 1.25 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, <= 1.25 mm² without cable end conforming to EN/IEC 60947-1
Device presentation	Complete product

## Complementary

Height	42 mm
Width	42 mm
Depth	79.5 mm
Terminals description ISO n°1	(13-14)NO (21-22)NC (11-12)NC
Product weight	0.0905 kg
Contacts usage	Monitoring contact
Positive opening	With conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	100000 cycles
Tightening torque	0.8...1.5 N.m conforming to EN/IEC 60947-1

Shape of screw head	Slotted compatible with flat Ø 5.5 mm screwdriver Cross compatible with JIS No 2 screwdriver Cross compatible with Philips No 2 screwdriver
Contacts material	Silver alloy - gold plated (Ag/Cu)
Short-circuit protection	10 A cartridge fuse type gG conforming to EN/IEC 60947-5
[Ith] conventional free air thermal current	5 A conforming to EN/IEC 60947-5-1
[Ui] rated insulation voltage	250 V (pollution degree 2) conforming to IEC 61140
[Uimp] rated impulse withstand voltage	2.5 kV conforming to EN/IEC 60947-1
[Ie] rated operational current	1.5 A at 240 V, AC-15, B300 conforming to EN/IEC 60947-5-1 3 A at 120 V, AC-15, B300 conforming to EN/IEC 60947-5-1 0.1 A at 250 V, DC-13, R300 conforming to EN/IEC 60947-5-1 0.22 A at 125 V, DC-13, R300 conforming to EN/IEC 60947-5-1
Electrical durability	100000 cycles, AC-15, 1.5 A at 240 V, operating rate <1800 cyc/h, load factor: 0.4 conforming to EN/IEC 60947-5-1 appendix C 100000 cycles, AC-15, 3 A at 120 V, operating rate <1800 cyc/h, load factor: 0.4 conforming to EN/IEC 60947-5-1 appendix C 100000 cycles, DC-13, 0.1 A at 250 V, operating rate <1800 cyc/h, load factor: 0.4 conforming to EN/IEC 60947-5-1 appendix C 100000 cycles, DC-13, 0.22 A at 125 V, operating rate <1800 cyc/h, load factor: 0.4 conforming to EN/IEC 60947-5-1 appendix C

## Environment

Ambient air temperature for storage	-40...80 °C
Ambient air temperature for operation	-20...60 °C
Overvoltage category	Class II conforming to IEC 61140
IP degree of protection	IP65 (front face) conforming to IEC 60529 IP2X (back face)
Standards	EN/IEC 60947-5-1 CSA C22.2 No 14 UL 508 JIS C8201-5-1 EN/IEC 60947-5-5 EN/IEC 60204-1 EN/IEC 60947-1 EN/ISO 13850 JIS C8201-1
Product certifications	CSA UL listed
Vibration resistance	50 m/s <sup>2</sup> (f= 10...500 Hz) conforming to IEC 60068-2-6
Shock resistance	150 m/s <sup>2</sup> (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

## Packing Units

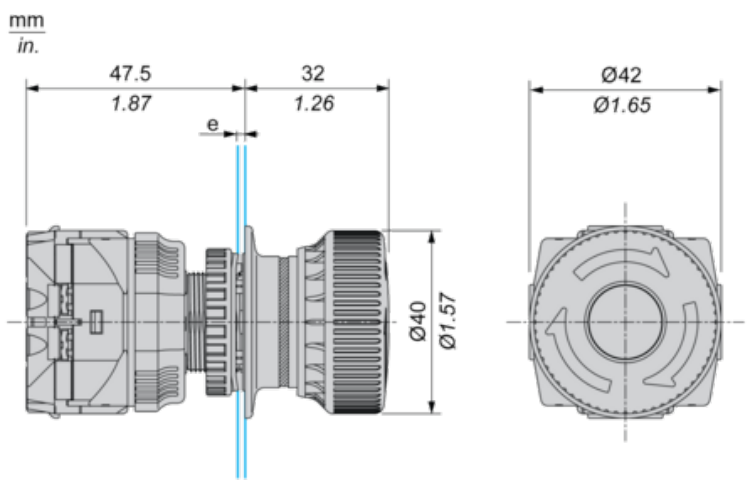
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.699 cm
Package 1 Width	8.204 cm
Package 1 Length	8.999 cm
Package 1 Weight	150.0 g
Unit Type of Package 2	S01
Number of Units in Package 2	12
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm

Package 2 Weight	1.75 kg
Unit Type of Package 3	P06
Number of Units in Package 3	144
Package 3 Height	75 cm
Package 3 Width	40 cm
Package 3 Length	80 cm
Package 3 Weight	46.6 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a>
RoHS exemption information	<a href="#">Yes</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

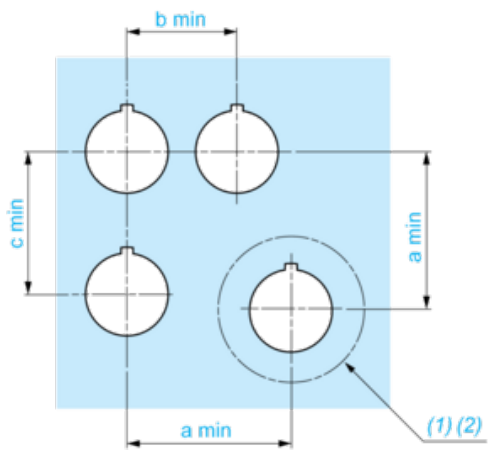
Dimensions



(e) Clamping thickness: 1 mm to 6 mm / 0.03 in to 0.24 in

Panel Cut-out for Emergency Stop Push Button (Finished Holes, Ready for Installation)

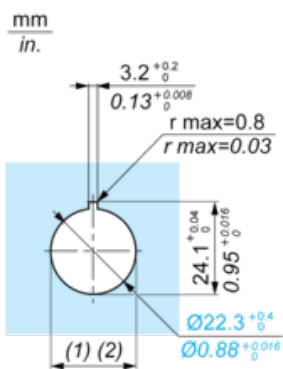
Connection by Screw Clamp Terminals



- (1) Diameter on finished panel or support
- (2) Ø42 mm recommended / Ø1.65 in. recommended (Head diameter)

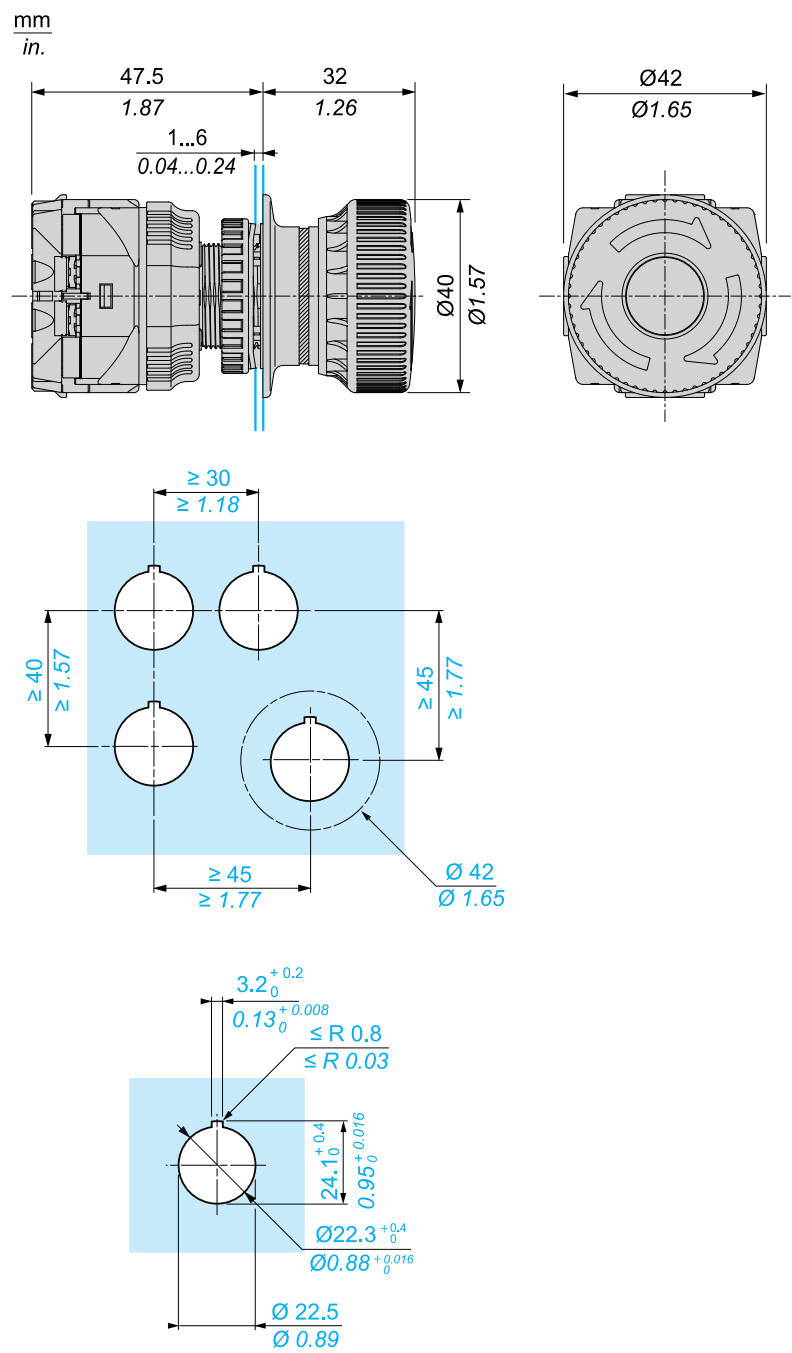
Connections	a in mm	a in in.	b in mm	b in in.	c in mm	c in in.
By screw terminals	45	1.77	30	1.18	40	1.57

Connection by Screw Clamp Terminals





- (1) Diameter on finished panel or support
- (2) Ø22.5 mm recommended (Ø22.3 0+0.4) / Ø0.89 in. recommended (Ø0.88 in. 0+0.016)

Dimensions



Recommended replacement(s)

XB5AS84449 is replaced by the following group of products:

1x		Body/fixing collar for electrical block, plastic ZB5AZ009
1x		Single contact block, silver alloy, screw clamp terminal, 1 NC ZBE102