

Product datasheet

Specifications



Complete emergency switching off push button, Easy Harmony XB2, metal, red mushroom 40mm, 22mm, push pull, 1NC

XB2BT42C

Main

Range of product	Easy Harmony XB2
Product or component type	Complete emergency switching off push-button
Device short name	XB2
Device presentation	Complete product
Bezel material	Chromium plated metal
Fixing collar material	Zamak
Mounting diameter	22.5 mm
Head type	Mushroom
Sale per indivisible quantity	1

Complementary

Operating position	Any position
Device mounting	Fixing hole - diameter: 22.5 mm
Fixing center	>= 30 x 40 mm (1...6 mm thick panel) - thickness: 1...6 mm
Fixing mode	Fixing screw beneath head recommended torque: 0.8 N.m Fixing screw beneath head recommended torque: 1.0 N.m
Shape of signaling unit head	Round
Type of operator	push-pull
Reset	Push-pull
Operator profile	Red mushroom Ø 40 mm, unmarked
Terminals description ISO n°1	(11-12)NC
Cap/operator or lens colour	Red
Product compatibility	ZB2..C
Contacts type and composition	1 NC
Contact operation	Slow-break
Contacts usage	Standard contacts
Positive opening	With NC contact conforming to IEC 60947-5-1 appendix K
Operating travel	2.0 mm (NC changing electrical state) 4.15 mm (total travel)
Mechanical durability	300000 cycles
Connections - terminals	Screw clamp terminal, <= 2 x 1.5 mm ² with and without cable ends Screw clamp terminal, <= 1 x 2.5 mm ² with and without cable ends Screw clamp terminal, >= 1 x 0.5 mm ² with and without cable ends Faston terminals, connection size: 6.3 mm

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

Tightening torque	0.8...1.0 N.m
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 gL fuse type gG conforming to IEC 60947-5-1
[I_{th}] conventional free air thermal current	10 A conforming to IEC 60947-5-1
[U_i] rated insulation voltage	600 V (pollution degree 3) conforming to IEC 60947-1
[U_{imp}] rated impulse withstand voltage	6 kV conforming to IEC 60947-1
[I_e] rated operational current	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60974-5-1
Electrical durability	1000000 cycles, AC-15, 3 A at 240 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.27 A at 250 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Electrical reliability	Λ < 10 ^{exp(-6)} at 5 V, 1 mA in clean environment conforming to IEC 60947-5-4 Λ < 10 ^{exp(-8)} at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4
Height	40 mm
Width	40 mm
Depth	73.5 mm
Product weight	0.115 kg
Customizable	No
Type of operator	Mechanical latching

Environment

Protective treatment	TC/TH
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-25...70 °C
Overvoltage category	Class I conforming to IEC 60536
Standards	IEC 60947-5-1 IEC 60947-5-4 IEC 60947-1 GB/T 14048.1 GB/T 14048.5
Product certifications	CE CCC
Marking	Unmarked
IP degree of protection	IP65
IK degree of protection	IK06
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
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Number of Units in Package 1	1
Package 1 Height	5.5 cm
Package 1 Width	7 cm
Package 1 Length	7 cm
Package 1 Weight	115 g
Unit Type of Package 2	S02
Number of Units in Package 2	50
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3.255 kg
Unit Type of Package 3	P06
Number of Units in Package 3	600
Package 3 Height	90 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	73.6 kg



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.eq.CO2 per CR, Total Life cycle)

2

Environmental Disclosure

[Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging without single use plastic

No

[EU RoHS Directive](#)

Pro-active compliance (Product out of EU RoHS legal scope)

SCIP Number

9e63340a-2371-4381-8f9a-5fba0ff349a4

REACH Regulation

[REACH Declaration](#)

PVC free

Yes

Use Again

Repack and remanufacture

Circularity Profile

[End of Life Information](#)

Take-back

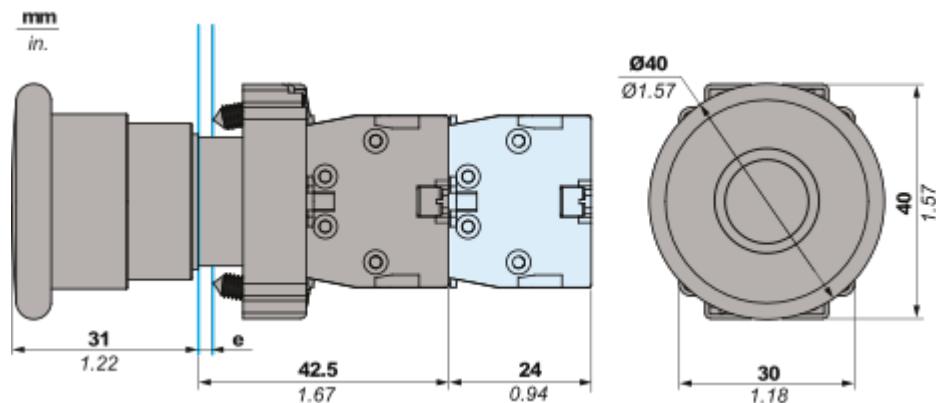
No

WEEE

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

Dimensions Drawings

Dimensions

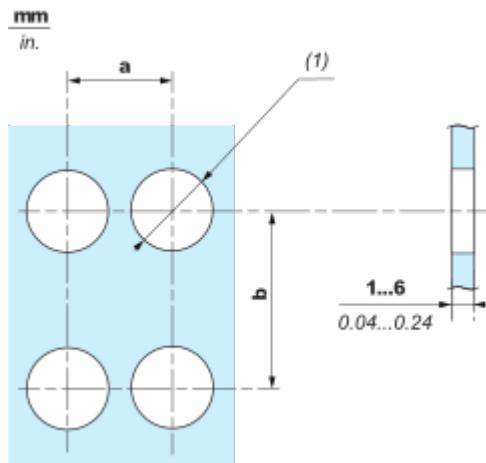


e: clamping thickness 1 to 6 mm / 0.04 to 0.24 in.

Mounting and Clearance

Mounting and Clearance

Panel cut-out

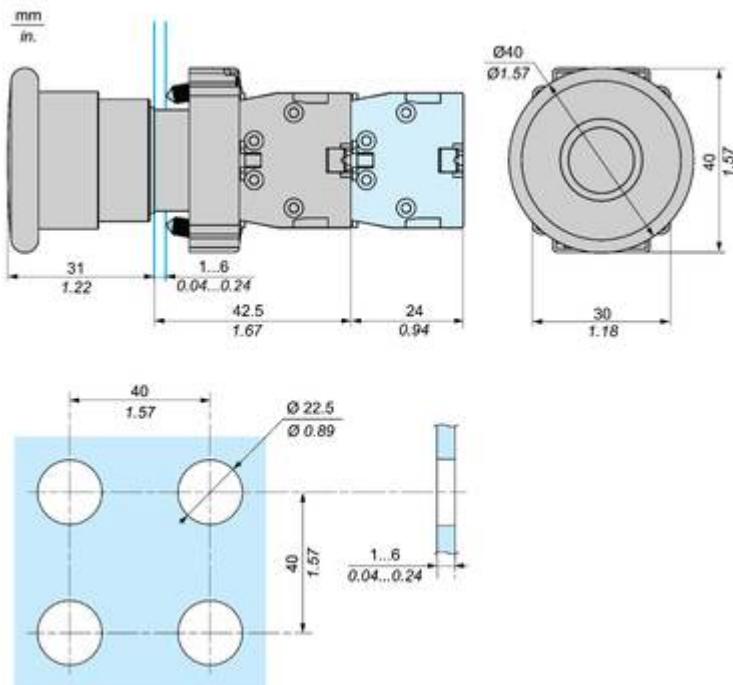


	Connection by Screw clamp terminals			
	a in mm	a in in.	b in mm	b in in.
•B2BA•C / •B2BL•C / •B2BP•C / •B2BS4•C / •B2BD•C / •B2BJ•C / •B2BG•C / •B2BW•C	40	1.57	30	1.18
•B2BC•C / •B2BS5•C / •B2BS8•C / •B2BT•C	40	1.57	40	1.57
•B2BR•C / •B2BS6•C	60	2.36	60	2.36

(1) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $^{+0.4}_0$ / 0.88 in. $^{+0.016}_0$)

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

Features

Easy Harmony XB2



Metal bezels with metal fixing collars for impact endurance

Designed to be used in numerous control and signaling applications

Metal screws for secure fix, grounding contact to the panel and anti-rotation

Simple modular design facilitates post installation servicing, modification and adaption of machines by non-specialists

Available in sub-assemblies for easy mix and match of functionalities

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Easy Harmony XB2

Supports operating temperature from -25°C to +70°C

Excellent resistance to mechanical shock and vibration



Conforming to CE, CCC and ROHS standards

Up to IP65 protection ratings

Image of product / Alternate images

Alternative

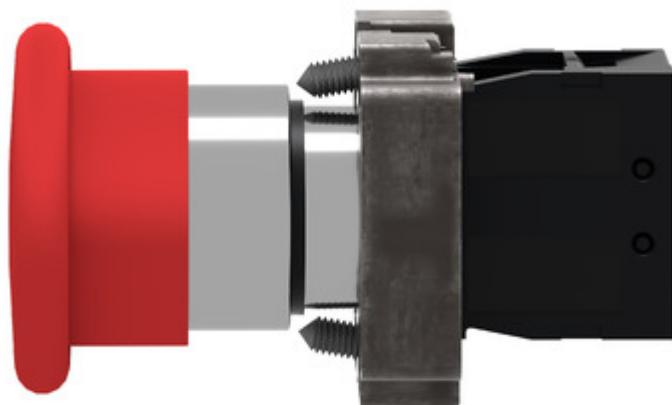
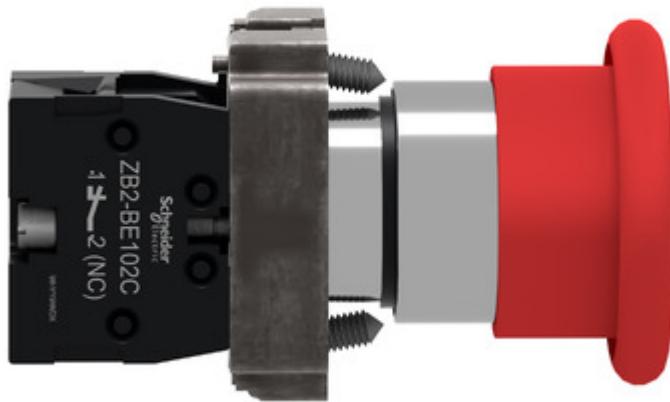






Image of product in real life situation

