Product data sheet

Specifications

Emergency switching off monolithic push button, Harmony XB7, 22mm, red mushroom head 40mm, turn to release, 1NC

XB7ES542P

⚠ **Discontinued**

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

Main

Range of Product	Harmony XB7
Product or Component Type	Emergency switching off monolithic push-button
Device short name	XB7
Mounting diameter	0.9 in (22 mm)
Sale per indivisible quantity	10
Shape of signaling unit head	Round
Type of operator	mechanical latching
Reset	Turn to release
Operator profile	Red mushroom Ø 40 mm, unmarked
Contacts type and composition	1 NC
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end IEC 60947-1
Device presentation	Monolithic product

Complementary

CAD overall width	1.6 in (40 mm)
CAD overall height	1.6 in (40 mm)
CAD overall depth	2.8 in (72 mm)
Terminals description ISO n°1	(11-12)NC
Product Weight	0.071 lb(US) (0.032 kg)
Device mounting	Fixing hole 0.9 in (22.5 mm) 22.3 +0.4/0 IEC 60947-1
Fixing center	>= 30 x 40 mm support panel) metal 0.04…0.2 in (1…6 mm) >= 30 x 40 mm support panel) plastic 0.08…0.2 in (2…6 mm)
Fixing mode	Fixing nut beneath head 17.7…21.2 lbf.in (2…2.4 N.m)
Contact operation	Slow-break
Contacts usage	Standard
Positive opening	With IEC 60947-5-1 appendix K
Mechanical durability	10000 cycles
Tightening torque	7.08…10.6 lbf.in (0.8…1.2 N.m) IEC 60947-1

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

Shape of screw head	Cross JIS No 1 Cross Philips no 1 Cross pozidriv No 1 Slotted flat Ø 4 mm Slotted flat Ø 5.5 mm
Short-circuit protection	4 A cartridge fuse gG IEC 60947-5-1
[Ui] rated insulation voltage	250 V 3)IEC 60947-1
[Uimp] rated impulse withstand voltage	4 kV IEC 60947-1
[Ie] rated operational current	0.1 A 250 V, DC-13, R300 IEC 60947-5-1 0.22 A 125 V, DC-13, R300 IEC 60947-5-1 0.3 A 240 V, AC-14, D300 IEC 60947-5-1 0.6 A 120 V, AC-14, D300 IEC 60947-5-1
Electrical durability	1000000 cycles, DC-13, 0.3 A 24 V 216000 cyc/mn 0.5 IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 0.03 A 230 V 216000 cyc/mn 0.5 IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 0.09 A 240 V 108000 cyc/mn 0.5 IEC 60947-5-1 appendix C
Electrical reliability	Λ < 10exp(-6) 17 V 5 mA IEC 60947-5-4

Environment

Protective treatment	TH
Ambient Air Temperature for Storage	-40…158 °F (-40…70 °C)
Ambient air temperature for operation	-13…158 °F (-25…70 °C)
Electrical shock protection class	Class II IEC 60536
IP degree of protection	IP20 IEC 60529 rear face) IP54 IEC 60529 front face)
NEMA degree of protection	NEMA 12 UL 50
Standards	IEC 60947-5-1 UL 508 IEC 60947-1 CSA C22.2 No 14 IEC 60364-5-53
Product Certifications	CCC
Vibration resistance	5 gn (f= 2…500 Hz) conforming to IEC 60068-2-6
Shock resistance	10 gn 11 ms) half sine wave acceleration IEC 60068-2-27

Ordering and shipping details

Category	US10CS222464
Discount Schedule	0CS2
GTIN	3389110162363
Returnability	No

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.57 in (4.0 cm)
Package 1 Width	5.91 in (15.0 cm)
Package 1 Length	7.87 in (20.0 cm)
Package 1 Weight	1.3 oz (38.0 g)

Contractual warranty

Warranty   18 months

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**

Use Better

Materials and Substances

Packaging without single use plastic	**No**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
REACh Regulation	**REACh Declaration**
California proposition 65	**WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Use Again

Repack and remanufacture

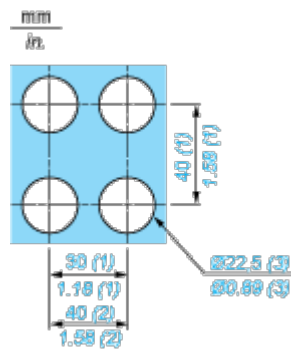|	
Take-back	**No**
WEEE	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**

Dimensions Drawings

Emergency Switching off Pushbutton

Dimensions
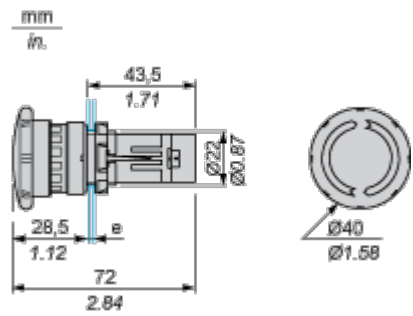
e   Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).
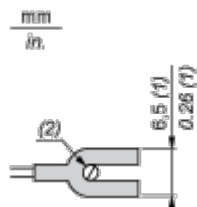
Mounting and Clearance

Mounting

Diameter of Finished Fixing Holes

(1) Minimum value.

(2) 40 mm/1.58 in. for Emergency switching off pushbutton only.

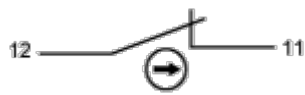(3) Standard value: Ø 22.3 (0; + 0.4) mm/Ø 0.88 (0; + 0.02) in.

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"U" Type Tag Connection

(1)   6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.

(2)   M3 screw clamp terminal.

Connections and Schema

Wiring

Offer Marketing Illustration

Product benefits / Features

Offer Marketing Illustration

Product benefits / Features

Technical Benefits
Harmony All-in-one monolithic offers

UL, CSA, CCC compliant

Separate N.O. and N.C. contacts - increased wiring flexibility

Emergency Stop compliant with ISO13850

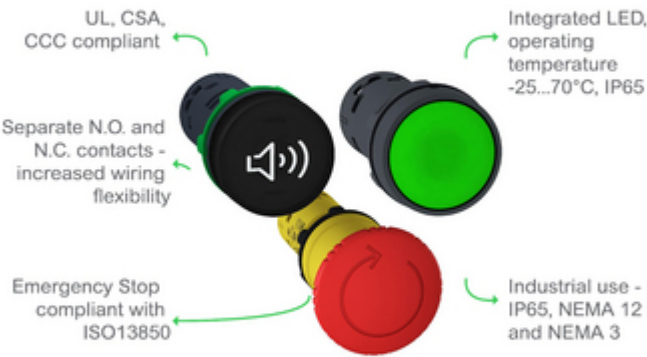Integrated LED, operating temperature -25...70°C, IP65

Industrial use - IP65, NEMA 12 and NEMA 3

Image of product / Alternate images

Alternative