Product data sheet

Emergency switching off Ø 22 - red - mushroom head Ø 40 mm - key release - 1 NC

XB7ES142P

⚠ **Discontinued on:** Jan 29, 2021

⚠ **Discontinued**

Main

Range Of Product	Harmony XB7
Product Or Component Type	Emergency switching off monolithic push-button
Device Short Name	XB7
Mounting Diameter	22 mm
Sale Per Indivisible Quantity	10
Shape Of Signaling Unit Head	Round
Type Of Operator	mechanical latching
Reset	Key release
Operator Profile	Red mushroom Ø 40 mm, unmarked
Type Of Keylock	Key 455
Contacts Type And Composition	1 NC
Connections - Terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1
Device Presentation	Monolithic product

Complementary

Cad Overall Width	40 mm
Cad Overall Height	40 mm
Cad Overall Depth	95 mm
Terminals Description Iso N°1	(11-12)NC
Net Weight	0.055 kg
Device Mounting	Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to EN/IEC 60947-1
Fixing Center	>= 30 x 40 mm (support panel) metal - thickness: 1…6 mm >= 30 x 40 mm (support panel) plastic - thickness: 2…6 mm
Fixing Mode	Fixing nut beneath head: 2…2.4 N.m
Contact Operation	Slow-break
Contacts Usage	Standard
Positive Opening	With conforming to EN/IEC 60947-5-1 appendix K
Mechanical Durability	10000 cycles
Tightening Torque	0.8…1.2 N.m conforming to EN 60947-1

Shape Of Screw Head	Cross compatible with JIS No 1 screwdriver
	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
Short-Circuit Protection	4 A cartridge fuse type gG conforming to EN/IEC 60947-5-1
[Ui] Rated Insulation Voltage	250 V (pollution degree 3) conforming to EN/IEC 60947-1
[Uimp] Rated Impulse Withstand Voltage	4 kV conforming to EN/IEC 60947-1
[Ie] Rated Operational Current	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
	0.3 A at 240 V, AC-14, D300 conforming to EN/IEC 60947-5-1
	0.6 A at 120 V, AC-14, D300 conforming to EN/IEC 60947-5-1
Electrical Durability	1000000 cycles, DC-13, 0.3 A at 24 V, operating rate <216000 cyc/mn, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C
	1000000 cycles, AC-15, 0.03 A at 230 V, operating rate <216000 cyc/mn, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C
	1000000 cycles, AC-15, 0.09 A at 240 V, operating rate <108000 cyc/mn, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C
Electrical Reliability	$\Lambda < 10exp(-6)$ at 17 V and 5 mA conforming to IEC 60947-5-4

Environment

Protective Treatment	TH
Ambient Air Temperature For Storage	-40…70 °C
Ambient Air Temperature For Operation	-25…70 °C
Electrical Shock Protection Class	Class II conforming to IEC 60536
Ip Degree Of Protection	IP20 (rear face) conforming to IEC 60529
	IP54 (front face) conforming to IEC 60529
Nema Degree Of Protection	NEMA 12 conforming to UL 50
Standards	CSA C22.2 No 14
	EN/IEC 60947-1
	UL 508
	IEC 60364-5-53
	EN/IEC 60947-5-1
Product Certifications	CCC
Vibration Resistance	5 gn (f= 2…500 Hz) conforming to IEC 60068-2-6
Shock Resistance	10 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

Contractual warranty

Warranty	18 months

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Sustainability

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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 〉

Transparency   RoHS/REACh

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   Yes
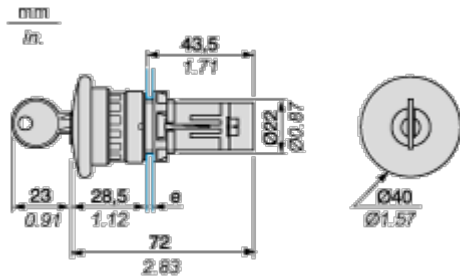
Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information
California Proposition 65	WARNING: This product can expose you to chemicals including: 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

Dimensions Drawings

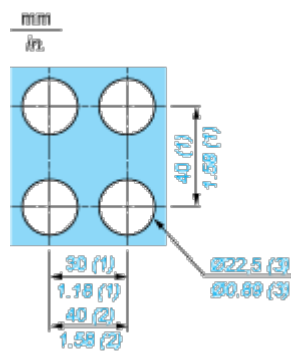**Emergency Switching off Pushbutton with Key**

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).

Product data sheet
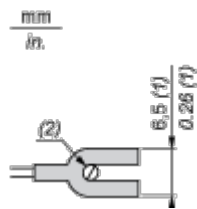
Mounting and Clearance

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.

"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