

XB7ES145P

Emergency switching off Ø 22 - red - mushroom head Ø40mm - key release - 1NO+1NC



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	Ronis 455
Contacts type and composition	1 NO + 1 NC
Connections - terminals	Screw clamp terminals : $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN/IEC 60947-1 Screw clamp terminals : $1 \times 0.34 \dots 2 \times 2.5 \text{ mm}^2$ 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	(13-14)NO (21-22)NC
Product weight	0.058 kg
Device mounting	Fixing hole: Ø 22.5 mm (22.3 +0.4/0) conforming to EN/IEC 60947-1
Fixing center	$\geq 30 \times 40 \text{ mm}$ on support panel, metal, thickness: 1...6 mm $\geq 30 \times 40 \text{ mm}$ on support panel, plastic, thickness: 2...6 mm
Fixing mode	Fixing nut beneath head recommended torque: 2...2.4 N.m
Contact operation	Slow-break
Contacts usage	Standard
Positive opening	With positive opening 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 head compatible with JIS No 1 screwdriver Cross head compatible with Philips no 1 screwdriver Cross head compatible with pozidriv No 1 screwdriver Slotted head compatible with flat Ø 4 mm screwdriver Slotted head 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 (degree of pollution: 3) conforming to EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	6 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	$\Lambda < 10\text{exp}(-6)$ at 17 V, 5 mA conforming to IEC 60947-5-4

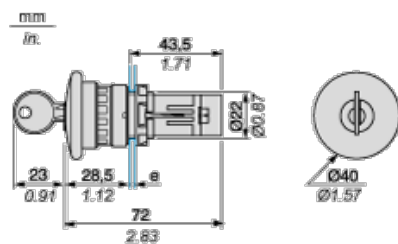
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Environment

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	EN/IEC 60947-1 EN/IEC 60947-5-1 IEC 60364-5-53 UL 508 CSA C22.2 No 14
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

Emergency Switching off Pushbutton with Key

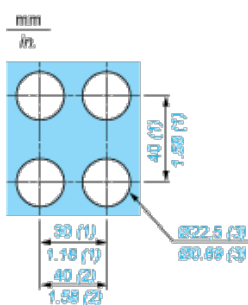
Dimensions



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).

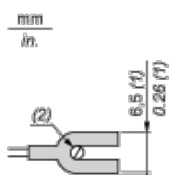
Mounting

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.

Wiring

