



Main

Commercial Status	Commercialised
Range of product	Harmony XB7
Product or component type	Monolithic selector switch
Device short name	XB7
Mounting diameter	22 mm
Sale per indivisible quantity	10
Product weight	0.026 kg
IP degree of protection	IP65 (front face) conforming to IEC 60529 IP20 (rear face) conforming to IEC 60529
Shape of signaling unit head	Round
Type of operator	Stay put
Operator profile	Black standard handle
Operator position information	2 positions 90°
Contacts type and composition	1 NO + 1 NC
Positive opening	With positive opening conforming to EN/IEC 60947-5-1 appendix K

Complementary

CAD overall width	29 mm
CAD overall height	29 mm
CAD overall depth	68.5 mm
Terminals description ISO n°1	(13-14)NO (21-22)NC
Device mounting	Fixing hole: Ø 22.5 mm (22.3 +0.4/0) conforming to EN/IEC 60947-1
Fixing center	>= 30 x 40 mm on support panel, plastic, thickness: 2...6 mm >= 30 x 40 mm on support panel, metal, thickness: 1...6 mm
Fixing mode	Fixing nut recommended torque: 2.2 N.m (+/- 0.2 N.m)
Contacts operation	Slow-break
Mechanical durability	300000 cycles
Connections - terminals	Screw clamp terminals: 1 x 0.34...2 x 2.5 mm ² without cable end conforming to EN/IEC 60947-1 Screw clamp terminals: <= 2 x 1.5 mm ² with cable end conforming to EN/IEC 60947-1
Tightening torque	0.8...1.2 N.m conforming to EN 60947-1
Shape of screw head	Slotted head compatible with flat Ø 5.5 mm screwdriver Slotted head compatible with flat Ø 4 mm screwdriver Cross head compatible with pozidriv No 1 screwdriver Cross head compatible with Philips no 1 screwdriver Cross head compatible with JIS No 1 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	4 kV conforming to EN/IEC 60947-1
[Ie] rated operational current	0.6 A at 120 V, AC-14, D300 conforming to EN/IEC 60947-5-1 0.3 A at 240 V, AC-14, D300 conforming to EN/IEC 60947-5-1 0.22 A at 125 V, DC-13, R300 conforming to EN/IEC 60947-5-1 0.1 A at 250 V, DC-13, R300 conforming to EN/IEC 60947-5-1
Electrical reliability IEC 60947-5-4	$\Lambda < 10\exp(-6)$ at 17 V, 5 mA conforming to IEC 60947-5-4

Environment

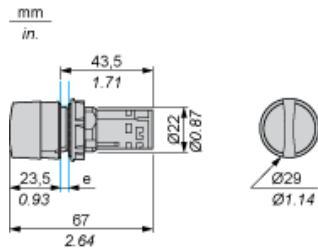
Protective treatment	TH
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-25...70 °C
Class of protection against electric shock	Class II conforming to IEC 61140
NEMA degree of protection	NEMA 3 conforming to UL 50 E NEMA 12 conforming to UL 50 E
Standards	CSA C22-2 No 14 EN/IEC 60947-1 EN/IEC 60947-5-1 JIS C 4520 UL 508
Vibration resistance	5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn for 18 ms half sine wave acceleration conforming to IEC 60068-2-27 50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27

Contractual warranty

Period	18 months
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Selector Switch, Standard Handle

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: $\varnothing 22.3$ (0; + 0.4) mm/ $\varnothing 0.88$ (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.