



Main

Range of Product	Harmony XB7
Product or Component Type	Push-button
Device short name	XB7
Mounting diameter	0.9 in (22 mm)
Sale per indivisible quantity	10
IP degree of protection	IP20 IEC 60529 rear face) IP65 IEC 60529 front face)
Shape of signaling unit head	Round
Type of operator	Spring return
Operator profile	Red projecting, unmarked
Contacts type and composition	1 NO + 1 NC
Connections - terminals	Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end IEC 60947-1 Screw clamp terminals, $1 \times 0.34 \dots 2 \times 2.5 \text{ mm}^2$ without cable end IEC 60947-1
Device presentation	Monolithic product

Complementary

CAD overall width	1.1 in (29 mm)
CAD overall height	1.1 in (29 mm)
CAD overall depth	2.3 in (57.5 mm)
Terminals description ISO n°1	(13-14)NO (21-22)NC
Net Weight	0.046 lb(US) (0.021 kg)
Device mounting	Fixing hole 0.9 in (22.5 mm) 22.3 +0.4/0 IEC 60947-1
Fixing center	$\geq 30 \times 40 \text{ mm}$ support panel) metal 0.04...0.2 in (1...6 mm) $\geq 30 \times 40 \text{ mm}$ 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
Positive opening	With NC contact IEC 60947-5-1 appendix K
Mechanical durability	1000000 cycles
Tightening torque	7.08...10.6 lbf.in (0.8...1.2 N.m) IEC 60947-1
Shape of screw head	Cross JIS No 1 Cross Philips no 1 Cross pozidriv No 1 Slotted flat $\varnothing 4 \text{ mm}$ Slotted flat $\varnothing 5.5 \text{ mm}$
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

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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	$\Lambda \leq 10\exp(-6)$ 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)
Overvoltage category	Class II IEC 61140
NEMA degree of protection	NEMA 12 UL 50 E NEMA 3 UL 50 E
Standards	CSA C22.2 No 14 IEC 60947-1 IEC 60947-5-1 JIS C8201-5-1 UL 508 JIS C8201-1
Product Certifications	GOST[RETURN]CCC
Vibration resistance	5 gn 2...500 Hz)IEC 60068-2-6
Shock resistance	50 gn 11 ms) half sine wave acceleration IEC 60068-2-27 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27

Ordering and shipping details

Category	US10CS222464
Discount Schedule	0CS2
GTIN	3606480470691
Returnability	No
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.4 in (6.1 cm)
Package 1 Width	1.20 in (3.05 cm)
Package 1 Length	1.20 in (3.05 cm)
Package 1 Weight	0.7 oz (20 g)
Unit Type of Package 2	S01
Number of Units in Package 2	100
Package 2 Height	5.9 in (15 cm)
Package 2 Width	5.9 in (15 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	5.5 lb(US) (2.5 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
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
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration

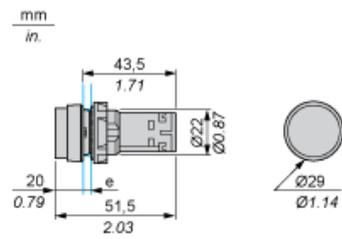
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Contractual warranty

Warranty	18 months
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Pushbutton, Projecting Type

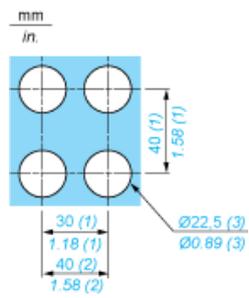
Dimensions



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).

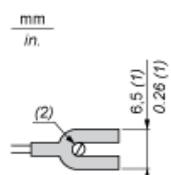
Mounting

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.

Wiring

