

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



Main

Range of product	Harmony XB7
Product or component type	Illuminated push-button
Device short name	XB7
Mounting diameter	0.87 in (22 mm)
Sale per indivisible quantity	10
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529
Shape of signaling unit head	Round
Type of operator	Spring return
Operator profile	Clear projecting unmarked
Contacts type and composition	1 NO
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: $1 \times 0.34...2 \times 2.5 \text{ mm}^2$ without cable end conforming to EN/IEC 60947-1
Light source	LED
Bulb base	Integral LED
[Us] rated supply voltage	120 V AC, 50/60 Hz
Device presentation	Monolithic product

Complementary

CAD overall width	1.14 in (29 mm)
CAD overall height	1.14 in (29 mm)
CAD overall depth	2.26 in (57.5 mm)
Terminals description ISO n°1	(13-14)NO
Product weight	0.05 lb(US) (0.023 kg)
Device mounting	Fixing hole: $\varnothing 0.89$ in (22.5 mm) (22.3 +0.4/0) conforming to EN/IEC 60947-1
Fixing center	$\geq 30 \times 40$ mm on support panel, metal, thickness: 0.04...0.24 in (1...6 mm) $\geq 30 \times 40$ mm on support panel, plastic, thickness: 0.08...0.24 in (2...6 mm)
Fixing mode	Fixing nut beneath head recommended torque: 2...2.4 N.m
Contact operation	Slow-break
Positive opening	With (only NO) positive opening
Mechanical durability	300000 cycles
Tightening torque	7.08...10.62 lbf.in (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 $\varnothing 4$ mm screwdriver Slotted head compatible with flat $\varnothing 5.5$ 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	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	$\Lambda \leq 10\exp(-6)$ at 17 V, 5 mA conforming to EN/IEC 60947-5-4
Signalling type	Steady
Supply voltage limits	100...132 V AC
Current consumption	12...17 mA
Service life	70000 h at rated voltage and 25 °C

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 conforming to IEC 61140
NEMA degree of protection	NEMA 12 conforming to UL 50 E
Standards	EN/IEC 60947-5-1 UL 508 JIS C 4520 EN/IEC 60947-1 CSA C22.2 No 14
Product certifications	GOST CCC
Vibration resistance	5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 30 gn (duration = 18 ms) half sine wave acceleration
Electromagnetic emission	Class B conforming to EN 55011

Ordering and shipping details

Category	22464 - PUSHBUTTONS, XB7-22MM
Discount Schedule	CS2
GTIN	00785901531418
Nbr. of units in pkg.	10
Package weight(Lbs)	5.9999999999999998E-2
Returnability	N
Country of origin	ID

Offer Sustainability

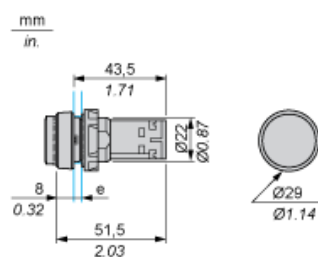
California proposition 65	WARNING: This product can expose you to chemicals including:
----- Substance 1	Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm.
----- More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months
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Illuminated Pushbutton

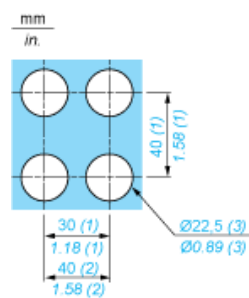
Dimensions



- 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).

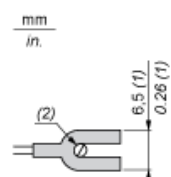
Mounting

Diameter of Finished Fixing Holes



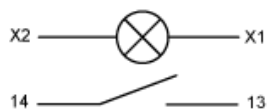
- (1) Minimum value.
- (2) 40 mm/1.58 in. for Emergency switching off pushbutton only.
- (3) Standard value: Ø 22.3 (0; + 0.4) mm/Ø 0.88 (0; + 0.02) in.

“U” Type Tag Connection



- (1) 6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.
- (2) M3 screw clamp terminal.

Wiring



Mouser Electronics

Authorized Distributor

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[XB7NW37G1](#)