Product data sheet

Specifications

Green Premium™

Illuminated push button, Harmony XB7, ILLUM. P.B, LED, Latch -1 NO, Red, 230 V

XB7NJ04M1

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

Price*: 92.70 USD

Main

Range of Product	Harmony XB7
Product or Component Type	Illuminated 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	push and push-to-release
Operator profile	Red projecting, unmarked
Operator additional information	With plain lens
Contacts type and composition	1 NO
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end IEC 60947-1
Light source	LED
Bulb base	Integral LED
[Us] rated supply voltage	230 V AC 50/60 Hz
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
Net Weight	0.051 lb(US) (0.023 kg)
Device mounting	Fixing hole 0.9 in (22.5 mm) 22.3 +0.4/0 IEC 60947-1
Fixing center	>= 30 x 40 mm support panel) metal 0.04…0.2 in (1…6 mm) >= 30 x 40 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 (only NO)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Mechanical durability	300000 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 Ø 4 mm Slotted flat Ø 5.5 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
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	$\Lambda <= 10exp(-6)$ 17 V 5 mA IEC 60947-5-4
Signalling type	Steady
Supply voltage limits	195…264 V AC
Current Consumption	22...27 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 IEC 61140
NEMA degree of protection	NEMA 12 UL 50 E
Standards	JIS C8201-5-1 IEC 60947-5-1 UL 508 CSA C22.2 No 14 IEC 60947-1 JIS C8201-1
Product Certifications	CCC GOST
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
Electromagnetic emission	Class B IEC 55011

Ordering and shipping details

Category	US10CS222464
Discount Schedule	0CS2
GTIN	3606480470448
Returnability	No
Country of origin	ID

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Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.4 in (6 cm)
Package 1 Width	1.3 in (3.2 cm)
Package 1 Length	1.3 in (3.2 cm)
Package 1 Weight	0.9 oz (25 g)
Unit Type of Package 2	BAG
Number of Units in Package 2	10
Package 2 Height	5.1 in (13 cm)
Package 2 Width	1.2 in (3 cm)
Package 2 Length	4.7 in (12 cm)
Package 2 Weight	8.8 oz (250 g)
Unit Type of Package 3	S01
Number of Units in Package 3	100
Package 3 Height	5.9 in (15 cm)
Package 3 Width	5.9 in (15 cm)
Package 3 Length	15.7 in (40 cm)
Package 3 Weight	6.008 lb(US) (2.725 kg)

Contractual warranty

Warranty	18 months

Sustainability ![Green Premium]

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

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 ⟩

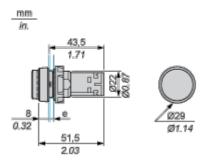Transparency   RoHS/REACh

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: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Dimensions Drawings

Illuminated Pushbutton

Dimensions

mm
in.

43,5
1.71

Ø22 / Ø0.87

8
0.32

e

Ø29
Ø1.14

51,5
2.03
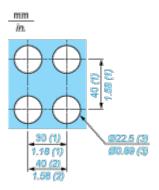
e   Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

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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.

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"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