

# Product data sheet

Specifications



Harmony XB7, Monolithic push button, plastic, black, Ø22, spring return, unmarked, 1 NO

XB7NA21

Product availability : Stock - Normally stocked in distribution facility

Price\* : 19.25 USD

## Main

Range of Product	Harmony XB7
Product or Component Type	Push-button
Device short name	XB7
Mounting diameter	0.87 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	Black flush, unmarked
Contacts type and composition	1 NO
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end EN/IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm <sup>2</sup> without cable end EN/IEC 60947-1
Device presentation	Monolithic product

## Complementary

CAD overall width	1.14 in (29 mm)
CAD overall height	1.14 in (29 mm)
CAD overall depth	2.05 in (52 mm)
Terminals description ISO n°1	(13-14)NO
Net Weight	0.04 lb(US) (0.02 kg)
Device mounting	Fixing hole 0.89 in (22.5 mm) 22.3 +0.4/0 EN/IEC 60947-1
Fixing center	>= 30 x 40 mm support panel) metal 0.04...0.24 in (1...6 mm) >= 30 x 40 mm support panel) plastic 0.08...0.24 in (2...6 mm)
Fixing mode	Fixing nut beneath head 17.70...21.24 lbf.in (2...2.4 N.m)
Contact operation	Slow-break
Positive opening	With (only NO)
Mechanical durability	1000000 cycles
Tightening torque	7.08...10.62 lbf.in (0.8...1.2 N.m) EN 60947-1
Shape of screw head	Cross JIS No 1 Cross Philips no 1

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

Cross pozidriv No 1  
Slotted flat Ø 4 mm  
Slotted flat Ø 5.5 mm

<b>Short-circuit protection</b>	4 A cartridge fuse gG EN/IEC 60947-5-1
<b>[Ui] rated insulation voltage</b>	250 V 3)EN/IEC 60947-1
<b>[Uimp] rated impulse withstand voltage</b>	4 kV EN/IEC 60947-1
<b>[Ie] rated operational current</b>	0.1 A 250 V, DC-13, R300 EN/IEC 60947-5-1 0.22 A 125 V, DC-13, R300 EN/IEC 60947-5-1 0.3 A 240 V, AC-14, D300 EN/IEC 60947-5-1 0.6 A 120 V, AC-14, D300 EN/IEC 60947-5-1
<b>Electrical durability</b>	1000000 cycles, DC-13, 0.3 A 24 V 216000 cyc/mn 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 0.03 A 230 V 216000 cyc/mn 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 0.09 A 240 V 108000 cyc/mn 0.5 EN/IEC 60947-5-1 appendix C
<b>Electrical reliability</b>	$\Lambda \leq 10\exp(-6)$ 17 V, 5 mA EN/IEC 60947-5-4

## Environment

<b>Protective treatment</b>	TH
<b>Ambient Air Temperature for Storage</b>	-40...158 °F (-40...70 °C)
<b>Ambient Air Temperature for Operation</b>	-13...158 °F (-25...70 °C)
<b>Overvoltage category</b>	Class II IEC 61140
<b>NEMA degree of protection</b>	NEMA 12 UL 50 E NEMA 3 UL 50 E
<b>Standards</b>	EN/IEC 60947-5-1 EN/IEC 60947-1 CSA C22.2 No 14 UL 508 JIS C8201-5-1 JIS C8201-1
<b>Product Certifications</b>	CCC GOST
<b>Vibration resistance</b>	5 gn 2...500 Hz)IEC 60068-2-6
<b>Shock resistance</b>	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

<b>Category</b>	22464-PUSHBUTTONS, XB7-22MM
<b>Discount Schedule</b>	CS2
<b>GTIN</b>	3606480469886
<b>Nbr. of units in pkg.</b>	1
<b>Package weight(Lbs)</b>	0.71 oz (20.0 g)
<b>Returnability</b>	Yes
<b>Country of origin</b>	ID

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Package 1 Height</b>	2.76 in (7.0 cm)
<b>Package 1 width</b>	4.33 in (11.0 cm)
<b>Package 1 Length</b>	5.71 in (14.5 cm)
<b>Unit Type of Package 2</b>	BAG
<b>Number of Units in Package 2</b>	10
<b>Package 2 Weight</b>	7.13 oz (202.0 g)

Package 2 Height	2.76 in (7.0 cm)
Package 2 width	4.33 in (11.0 cm)
Package 2 Length	5.91 in (15.0 cm)
Unit Type of Package 3	S01
Number of Units in Package 3	100
Package 3 Weight	5.15 lb(US) (2.336 kg)
Package 3 Height	5.91 in (15.0 cm)
Package 3 width	5.91 in (15.0 cm)
Package 3 Length	15.75 in (40.0 cm)

## 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

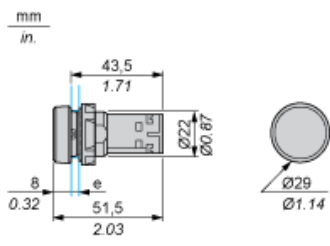
## Contractual warranty

Warranty	18 months
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**Pushbutton, Flush Type**

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**Dimensions**

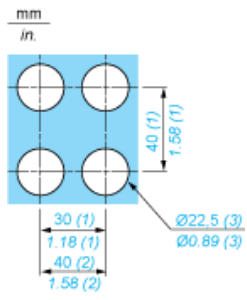


e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

Mounting

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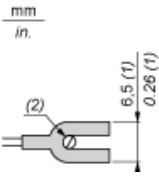
Diameter of Finished Fixing Holes



- (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**

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

**Wiring Diagram**

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