

Product data sheet

Specifications



Complete illuminated push button,
Harmony XB6, white rectangular flush,
16mm, spring return, 1NO + 1NC,
12...24V

XB6DW1B5B

Main

Range of product	Harmony XB6
Product or component type	Complete illuminated push-button
Device short name	XB6
Bezel material	Plastic
Mounting diameter	16 mm
Sale per indivisible quantity	1
Shape of signaling unit head	Rectangular
Type of operator	spring return
Operator profile	White flush, unmarked
Contacts type and composition	1 NO + 1 NC
Contact operation	Slow-break
Connections - terminals	Faston connectors, connection size: 2.8 x 0.5 mm
Light source	LED
Bulb base	Integral LED
[Us] rated supply voltage	12...24 V AC/DC

Complementary

CAD overall width	24 mm
CAD overall height	18 mm
CAD overall depth	57 mm
Terminals description ISO n°1	(21-22)NC (13-14)NO
Product weight	0.025 kg
Operating position	Any position
Positive opening	With conforming to IEC 60947-5-1 appendix K
Operating travel	1 mm (NO changing electrical state) 2 mm (NC changing electrical state) 3.5 mm (total travel)
Operating force	3.5 N NO changing electrical state 4.5 N NC changing electrical state
Contacts material	Silver alloy (Ag/Ni)
Short-circuit protection	6 A cartridge fuse type gG
[Ui] rated insulation voltage	250 V (pollution degree 3) conforming to IEC 60947-1

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 60947-1
[Ie] rated operational current	3 A at 120 V, AC-15, B300 conforming to IEC 60947-5-1 1.5 A at 240 V, AC-15, B300 conforming to IEC 60947-5-1 0.1 A at 250 V, DC-13, R300 conforming to IEC 60947-5-1 0.22 A at 125 V, DC-13, R300 conforming to IEC 60947-5-1
Electrical durability	1000000 cycles, AC-15 at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13 at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Electrical reliability	$\Lambda = 10\exp(-8)$ at 5 V and 1 mA with confidence level of 90 % conforming to IEC 60947-5-4
Signalling type	Steady
Supply voltage limits	6...30 V AC/DC
Current consumption	15 mA
Surge withstand	1 kV direct contact conforming to IEC 61000-4-5 2 kV in free air conforming to IEC 61000-4-5

Environment

Protective treatment	TC
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-25...70 °C
Electrical shock protection class	Class II conforming to IEC 61140
IP degree of protection	IP65 conforming to IEC 60529
NEMA degree of protection	NEMA 13 conforming to UL 50 NEMA 4 conforming to UL 50 NEMA 4X conforming to UL 50 NEMA 13 conforming to CSA C22.2 No 94 NEMA 4 conforming to CSA C22.2 No 94 NEMA 4X conforming to CSA C22.2 No 94
Standards	CSA C22.2 No 14 JIS C 852 JIS C 4520 IEC 60947-5-5 IEC 60947-5-1 IEC 60947-1
Product certifications	GOST UL CCC CSA
Vibration resistance	+/- 3 mm (f= 2...500 Hz) conforming to IEC 60068-2-6 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27
Resistance to fast transients	2 kV conforming to IEC 61000-4-4
Resistance to electromagnetic fields	10 V/m conforming to IEC 61000-4-3
Resistance to electrostatic discharge	6 kV on contact (on metal parts) conforming to IEC 61000-4-2 8 kV in free air (in insulating parts) conforming to IEC 61000-4-2
Electromagnetic emission	Class B conforming to IEC 55011

Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
Package 1 Height	3.500 cm
Package 1 Width	4.600 cm
Package 1 Length	10.100 cm
Package 1 Weight	18.000 g
Unit Type of Package 2	S01
Number of Units in Package 2	60
Package 2 Height	15.000 cm
Package 2 Width	15.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	1.198 kg

Contractual warranty

Warranty	18 months
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

 Environmental footprint	
Total lifecycle Carbon footprint	8
Environmental Disclosure	Product Environmental Profile

Use Better

 Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	902182a2-9610-45f2-840e-6da530122efe
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

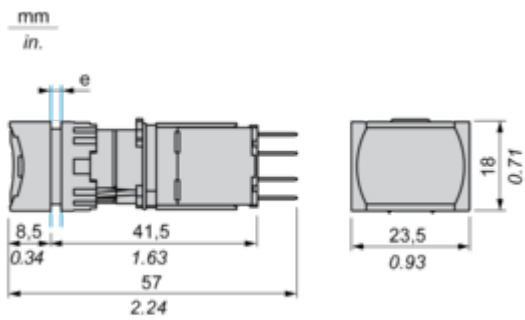
Use Again

 Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

Rectangular Head Pushbutton

Dimensions

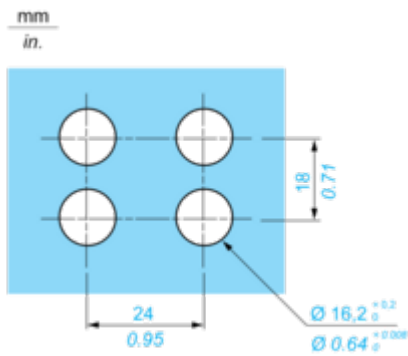


e panel thickness 1 to 6 mm/0.03 to 2.48 in.

Mounting and Clearance

Panel Cut-out

For Rectangular Head



Technical Illustration

Dimensions

