Product datasheet

Specifications

Illuminated emergency switching off push button, Harmony XB5N XB7N, plastic, red, 40mm, turn to release, 230V AC, 1 NC

XB5AW74M2N

Main

Range of product	Harmony XB5N/XB7N
Product or component type	Illuminated emergency switching off push-button
Device short name	XB5N
Bezel material	Dark grey plastic
Fixing collar material	Plastic
Mounting diameter	22.5 mm
Sale per indivisible quantity	20
Light source	LED
[Us] rated supply voltage	230 V
Shape of signaling unit head	Round
Type of operator	turn to release
Operator profile	Red flush, unmarked
Contact operation	Slow-break
Connections - terminals	Screw clamp terminal, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1 Screw clamp terminal, >= 1 x 0.22 mm² without cable end conforming to IEC 60947-1
Device presentation	Complete product
Contacts type and composition	1 NC

Complementary

Supply voltage limits	195…264 V AC
Height	42 mm
width	40 mm
Depth	82.5 mm
Terminals description ISO n°1	(21-22)NC
Net weight	0.057 kg
Device mounting	Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to IEC 60947-5-1
Fixing mode	Fixing nut recommended torque: 2.2 N.m (+/- 0.2 N.m)
Marking	Unmarked
Contacts usage	Standard contacts
Positive opening	With conforming to IEC 60947-5-1 appendix K
Operating travel	1.5 mm (NC changing electrical state) 2.6 mm (NO changing electrical state) 4.3 mm (total travel)

Operating force	3.5 N NC changing electrical state 3.8 N NO changing electrical state
Mechanical durability	300000 cycles
Tightening torque	0.8…1.2 N.m conforming to IEC 60947-1
Shape of screw head	Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver
Contacts material	Silver alloy (Ag/Ni)
Short-circuit protection	10 A cartridge fuse type gG conforming to IEC 60947-5-1
[Ith] conventional free air thermal current	10 A conforming to IEC 60947-5-1
[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to IEC 60947-1
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
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-1
[Ie] rated operational current	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1
Electrical durability	1000000 cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Electrical reliability	Λ < 10exp(-6) at 5 V, 1 mA in clean environment conforming to IEC 60947-5-4 Λ < 10exp(-8) at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4
Compatibility code	XB5
Product compatibility	ZB5...N

Environment

Protective treatment	TH
Ambient air temperature for storage	-40…70 °C
Ambient air temperature for operation	-25…70 °C
Overvoltage category	Class II conforming to IEC 60536
Standards	IEC 60947-5-4 IEC 60947-1 IEC 60947-5-1 IS 13947-5-1
Product certifications	CE
Vibration resistance	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
IP degree of protection	IP65
IK degree of protection	IK03

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.2 cm
Package 1 Width	4 cm
Package 1 Length	8.3 cm
Package 1 Weight	58 g
Unit Type of Package 2	BB1
Number of Units in Package 2	20
Package 2 Height	11 cm
Package 2 Width	16 cm
Package 2 Length	28 cm
Package 2 Weight	1276 g
Unit Type of Package 3	S03
Number of Units in Package 3	100
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	7075 g

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.

How this information helps you

Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	**5**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Packaging without single use plastic	**No**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
REACh Regulation	**REACh Declaration**
China RoHS Regulation	**China RoHS declaration**

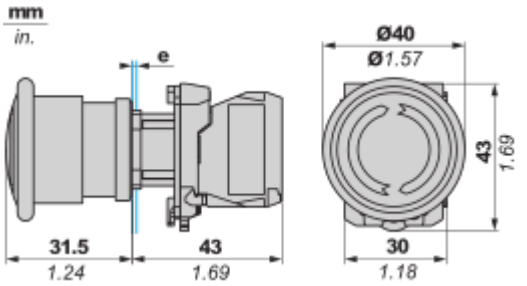
Use Again

Repack and remanufacture

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**
Take-back	**No**

Dimensions Drawings

Dimensions



e: clamping thickness 1 to 6 mm (0.04 to 0.24 in.)

Technical Illustration

Dimensions

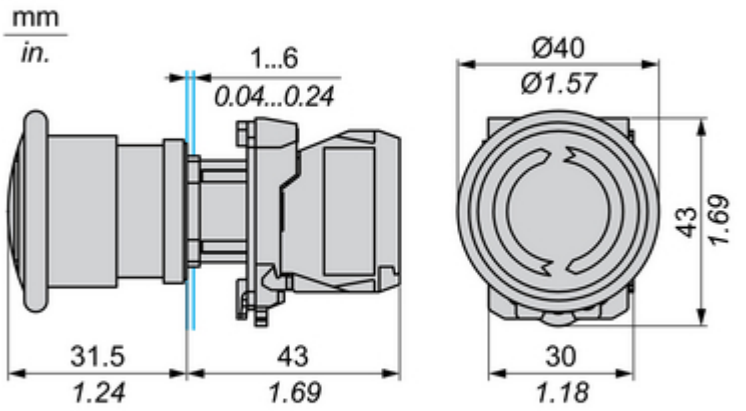


Image of product / Alternate images

Alternative


X 1
Red
X 2
NC 1
2

Image of product in real life situation