

Complete body/contact assembly, Harmony XB4, single contact, with body/fixing collar, 1NO, set of 100

ZB4BZ101TQ

Main

Range of product	Harmony XB4	
Product or component type	Complete body/contact assembly	
Device short name	ZB4	
Fixing collar material	Zamak	
Sale per indivisible quantity	100	
Head type	Standard	
Contacts type and composition	1 NO	
Contact operation	Slow-break	
Contact block type	Single	
Device composition	Fixing collar Body	
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm² without cable end conforming to IEC 60947-1	

Complementary

Contacts usage	Standard contacts
Positive opening	Without
Operating travel	2.6 mm (NO changing electrical state) 4.3 mm (total travel)
Operating force	2.3 N NO changing electrical state
Operating torque	0.05 N.m NO changing electrical state
Mechanical durability	5000000 cycles
Tightening torque	0.81.2 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
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-1

[le] 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	10000000 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
	10000000 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
	10000000 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
	10000000 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
	10000000 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

Environment

Protective treatment	тн	
Ambient air temperature for storage	-4070 °C	
Ambient air temperature for operation	-4070 °C	
IP degree of protection	IP20 conforming to IEC 60529	
Standards	UL 508 IEC 60947-5-5 CSA C22.2 No 14 IEC 60947-1 IEC 60947-5-4 IEC 60947-5-1 JIS C8201-5-1 JIS C8201-1	
Product certifications	BV UL CSA DNV LROS (Lloyds register of shipping)	
Vibration resistance	5 gn (f= 2500 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	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.4 cm
Package 1 Width	3.4 cm
Package 1 Length	4.4 cm
Package 1 Weight	52 g
Unit Type of Package 2	BAG
Number of Units in Package 2	25
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	10 cm

Package 2 Weight	1.3 kg
Unit Type of Package 3	S02
Number of Units in Package 3	100
Package 3 Height	15 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	5.655 kg

Contractual warranty

Warranty 18 months



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	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	1
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

Use Again

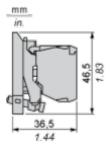
○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Product datasheet

ZB4BZ101TQ

Dimensions Drawings

Dimensions

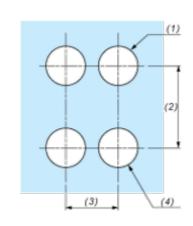


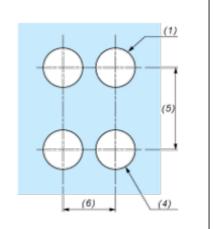
Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board

Connection by Faston Connectors





- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.