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



contact block ZB2 - 1 NC contact - spring return

ZB2BE102C

Main

Range of product	Easy Harmony XB2	
Product or component type	Complete body/contact assembly	
Component name	ZB2	
Electrical circuit type	Control circuit	
Contact block application	Single speed	
Contact block type	Single	
Product compatibility	ZB2C	
Contacts type and composition	1 NC	
Mounting of block	Front mounting	
Sale per indivisible quantity	1	
Device short name	XB2	
Device presentation	Basic element	
Body type	Body for control button	
Contact operation	Slow-break	

Complementary

Mechanical durability 3000000 cycles		
Contact code designation	A600 AC-15, Ue = 240 V, Ie = 3 A conforming to IEC 947-5-1 appendix A A600 AC-15, Ue = 600 V, Ie = 1.2 A conforming to IEC 947-5-1 appendix A Q600 DC-13, Ue = 250 V, Ie = 0.27 A conforming to IEC 947-5-1 appendix A Q600 DC-13, Ue = 600 V, Ie = 0.1 A conforming to IEC 947-5-1 appendix A	
[Ithe] conventional enclosed thermal current	10 A	
[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	
Maximum resistance across terminals	25 MOhm	
Operating force	35 N	
Short-circuit protection	10 A fuse protection by cartridge fuse type gG (gI)	
Rated operational power in W	40 W DC-13 for 1000000 cycles, operating rate <3600 cyc/h at 120 V, load factor = 0.5 conforming to IEC 60947-5-1 48 W DC-13 for 1000000 cycles, operating rate <3600 cyc/h at 48 V, load factor = 0.5 conforming to IEC 60947-5-1 65 W DC-13 for 1000000 cycles, operating rate <3600 cyc/h at 24 V, load factor = 0.5 conforming to IEC 60947-5-1	
Terminals description ISO n°1	(11-12)NC	
Net weight	0.015 kg	

Height	29 mm	
Width	15 mm	
Depth	24 mm	
Connections - terminals	Screw clamps terminals	
Fixing collar material	Zamak	
Connections - terminals	Screw clamps terminals, 1 x 2.5 mm² with or without cable end Screw clamps terminals, 2 x 1.5 mm² with or without cable end	
Contacts material	Silver alloy (Ag/Ni)	
Contacts usage	Standard contacts	
Connections - terminals	Screw clamp terminal, <= 2 x 1.5 mm² with and without cable ends Screw clamp terminal, <= 1 x 2.5 mm² with and without cable ends Screw clamp terminal, >= 1 x 0.5 mm² with and without cable ends Faston terminals, connection size: 6.3 mm	
Electrical durability	1000000 cycles, AC-15, 3 A at 240 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.27 A at 250 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	
[le] rated operational current	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1	
Short-circuit protection	10 A gL fuse type gG conforming to IEC 60947-5-1	
[Ith] conventional free air thermal current	10 A conforming to IEC 60947-5-1	
Positive opening	With conforming to IEC 60947-5-1 appendix K	
Operating travel	1.5 mm (NO changing electrical state) 5 mm (total travel)	
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	
Protective treatment	тс/тн	
customizable	No	
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	
Tightening torque	0.81.0 N.m	
Fixing mode	Fixing screw beneath head recommended torque: 0.8 N.m Fixing screw beneath head recommended torque: 1.0 N.m	

Environment

ambient air temperature for operation	-2570 °C	
Ambient air temperature for storage	-4070 °C	
Vibration resistance	5 gn (f= 2500 Hz) conforming to IEC 60068-2-6	
Electrical shock protection class	Class II conforming to IEC 61140	
Product certifications	CE CCC	

Standards	IEC 60947-1	
	IEC 60947-5-1	
	IEC 60947-5-4	
	GB/T 14048.1	
	GB/T 14048.5	

Packing Units

PCE
1
1.500 cm
2.790 cm
2.870 cm
16.000 g
S02
150
15.000 cm
30.000 cm
40.000 cm
2.543 kg
P06
2400
75.000 cm
60.000 cm
80.000 cm
49.188 kg



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

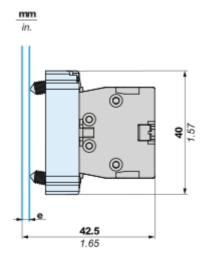
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	9e63340a-2371-4381-8f9a-5fba0ff349a4
REACh Regulation	REACh Declaration

Use Again

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

Dimensions Drawings

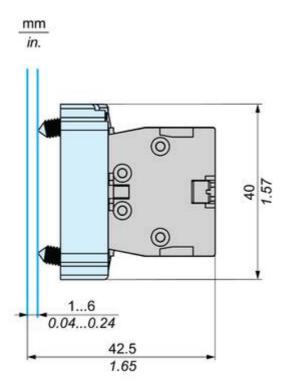
Dimensions



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

Technical Illustration

Dimensions



ZB2BE102C

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

Technical Benefits Easy Harmony XB2



Image of product / Alternate images

Alternative













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Image of product in real life situation

