Product datasheet

Specifications

Green Premium™

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
Type of operator	Spring return
Product compatibility	ZB2..C
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 EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
Maximum resistance across terminals	25 MOhm
Operating force	3…5 N
Short-circuit protection	10 A fuse protection by cartridge fuse type gG (gl)
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 EN/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 EN/IEC 60947-5-1 appendix C
Electrical reliability	$\Lambda < 10\exp(-6)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10\exp(-8)$ at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4
[Ie] rated operational current	3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1
Short-circuit protection	10 A gL fuse type gG conforming to EN/IEC 60947-5-1
[Ith] conventional free air thermal current	10 A conforming to EN/IEC 60947-5-1
Positive opening	With conforming to EN/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	TC/TH
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	0.8…1.0 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	-25…70 °C
Ambient air temperature for storage	-40…70 °C
Vibration resistance	5 gn (f= 2…500 Hz) conforming to IEC 60068-2-6
Electrical shock protection class	Class II conforming to IEC 61140
Product certifications	CE CCC

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.5 cm
Package 1 Width	2.79 cm
Package 1 Length	2.87 cm
Package 1 Weight	15.5 g
Unit Type of Package 2	S02
Number of Units in Package 2	200
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	3.5 kg
Unit Type of Package 3	P06
Number of Units in Package 3	4000
Package 3 Height	90 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	69.2 kg

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium 〉

Guide to assess a product's sustainability 〉
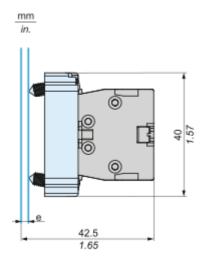
Transparency   RoHS/REACh

Well-being performance

✅ Reach Free Of Svhc

✅ Mercury Free

✅ Rohs Exemption Information   Yes

Certifications & Standards

Reach Regulation   REACh Declaration

Eu Rohs Directive   Pro-active compliance (Product out of EU RoHS legal scope)

EU RoHS Declaration

China Rohs Regulation   China RoHS declaration

Environmental Disclosure   Product Environmental Profile

Weee   The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile   No need of specific recycling operations
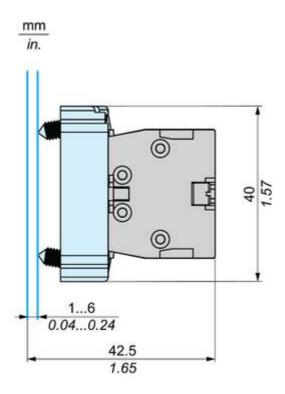
Dimensions Drawings

Dimensions

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

Technical Illustration

Dimensions

Offer Marketing Illustration

Product benefits / Features

Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Easy Harmony XB2

Supports operating
temperature from
−25°C to +70°C

Excellent resistance
to mechanical shock
and vibration

Conforming to CE, CCC and
ROHS standards

Up to IP65
protection ratings

Image of product / Alternate images

Alternative

25-Oct-2024

Life Is On | Schneider Electric

25-Oct-2024