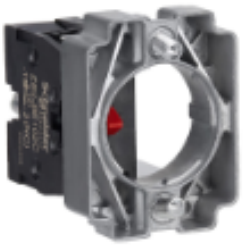
Product data sheet
Characteristics

ZB2BZ102C
Single contact block with body and fixing collar, Harmony XB2, metal, screw clamp terminal, 1NC



Main

Range of product	Harmony XB2
Product or component type	Complete body/contact assembly
Component name	ZB2
Body type	Body for control button
Sale per indivisible quantity	1
Device presentation	Basic sub-assemblies
Device short name	XB2
Contact operation	Slow-break

Complementary

Mounting diameter	22.5 Mm
Contacts type and composition	1 NC
Connections - terminals	Screw clamps terminals
Bezel material	Chromium plated metal
Terminals description ISO n°1	(11-12)NC
[Ie] rated operational current AC	3 A 240 V AC-15
[Ie] rated operational current DC	DC-13: 0.27 A at 250 V
NC auxiliary contacts	1
NO auxiliary contacts	0
Height	40 Mm
Width	30 Mm
Depth	42.5 Mm
Net weight	0.04 Kg
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
Fixing mode	Fixing screw beneath head recommended torque: 0.8 N.m Fixing screw beneath head recommended torque: 1.0 N.m
Tightening torque	0.8…1.0 N.M
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
[Uimp] rated impulse withstand voltage	6 KV conforming to IEC 60947-1
[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to IEC 60947-1

Rated operational power in W	40 W DC-13 for 1000000 cycles, operating rate <60 cyc/mn at 120 V, load factor = 0.5 conforming 48 W DC-13 for 1000000 cycles, operating rate <60 cyc/mn at 48 V, load factor = 0.5 conforming 65 W DC-13 for 1000000 cycles, operating rate <60 cyc/mn at 24 V, load factor = 0.5 conforming
Contacts material	Silver alloy (Ag/Ni)
Contacts usage	Standard contacts
Fixing collar material	Zamak
Mechanical durability	3000000 Cycles
Electrical connection	Captive screw clamp terminal
Light block colour	None
Light block supply	Without supply
Light source	Without
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
[Ie] 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
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
Operating travel	1.5 Mm (NO changing electrical state) 5 Mm (total travel)
Electrical durability	1000000 Cycles, AC-15, 3 A at 240 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IE 1000000 Cycles, DC-13, 0.27 A at 250 V, operating rate <3600 cyc/h, load factor: 0.5 conforming
Protective treatment	TC/TH
Customizable	No

Environment

Vibration resistance	5 gn (f= 2…500 Hz) conforming to IEC 60068-2-6
Standards	IEC 60947-1 IEC 60947-5-1 IEC 60947-5-4 GB/T 14048.1 GB/T 14048.5
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
Product certifications	CCC[RETURN]CE
Electrical shock protection class	Class II conforming to IEC 61140
Product compatibility	ZB2..C
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.000 Cm
Package 1 Width	4.000 Cm
Package 1 Length	4.500 Cm
Package 1 Weight	37.000 G
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Height	3.000 Cm
Package 2 Width	12.000 Cm
Package 2 Length	60.000 Cm
Package 2 Weight	188.000 G
Unit Type of Package 3	CAR
Number of Units in Package 3	100
Package 3 Height	20.000 Cm

Package 3 Width	30.000 Cm
Package 3 Length	40.000 Cm
Package 3 Weight	4.020 Kg

Offer Sustainability

Recyclability potential, in %	80
Total lifecycle Carbon footprint	0.8 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.4505533577
Carbon footprint of the manufacturing phase [A1 to A3]	0.5 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0049822007
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0001176372
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0.3441128571
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	0.3 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.019074473
Carbon footprint of the end-of-life phase [C1 to C4]	0 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	1
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	9e63340a-2371-4381-8f9a-5fba0ff349a4
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is k
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised