Product data sheet
Characteristics

ZBE1025
Single contact block, Harmony XB4, Hamony XB5, silver alloy, compact push in terminals, 1 NC



Main

Range of product	Harmony XB5 Harmony XB4
Product or component type	Contact block
Device short name	ZBE
Sale per indivisible quantity	5
IP degree of protection	IP20 conforming to IEC 60529
Contact operation	Slow-break
Contact block type	Single
Contacts usage	Standard contacts
Connections - terminals	Push-in, <= 2 x 1.5 mm² with wire end ferrule conforming to IEC 60947-1 Push-in, >= 1 x 0.34 mm² without wire end ferrule conforming to IEC 60947-1

Complementary

CAD overall width	34.3 Mm
CAD overall height	14.8 Mm
CAD overall depth	9.8 Mm
Net weight	0.005 Kg
Contacts type and composition	1 NC
Positive opening	With conforming to IEC 60947-5-1 appendix K
Operating travel	1.217 Mm (NC changing electrical state) 4.3 Mm (total travel)
Operating force	2.25 N NC changing electrical state
Mechanical durability	10000000 Cycles
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	300 V (pollution degree 3) conforming to IEC 60947-1
[Uimp] rated impulse withstand voltage	4 KV conforming to IEC 60947-1
[Ie] rated operational current	6 A at 120 V, AC-15, A300 conforming to IEC 60947-5-1 3 A at 240 V, AC-15, A300 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q300 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q300 conforming to IEC 60947-5-1
Mounting of block	Front mounting
Device presentation	Basic element

Environment

Protective treatment	TH
Ambient air temperature for storage	-40…70 °C
Ambient air temperature for operation	-40…70 °C
Standards	IEC 60947-1 IEC 60947-5-1 IEC 60947-5-4 IEC 60947-5-5 UL 60947-1 UL 60947-5-1 UL 60947-5-5 UL 1059 UL 486E CSA C22.2 No 60947-1 CSA C22.2 No 60947-5-1 CSA C22.2 No 158 CSA C22.2 No 65 IACS E10
Product certifications	EAC[RETURN]IECEE CB Scheme[RETURN]CCC[RETURN]UL[RETURN]CSA
Vibration resistance	5 gn (f= 10…500 Hz) conforming to IEC 60068-2-6 25 mm peak to peak (f= 2…10 Hz) conforming to IEC 60068-2-6
Shock resistance	25 gn (duration = 6 ms) for 1000 shocks on each axis conforming to IEC 60068-2-27 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	1.000 Cm
Package 1 Width	1.900 Cm
Package 1 Length	3.500 Cm
Package 1 Weight	5.000 G
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Height	3.400 Cm
Package 2 Width	4.500 Cm
Package 2 Length	5.300 Cm
Package 2 Weight	32.000 G
Unit Type of Package 3	S02
Number of Units in Package 3	500
Package 3 Height	15.000 Cm
Package 3 Width	30.000 Cm
Package 3 Length	40.000 Cm
Package 3 Weight	3.406 Kg

Offer Sustainability

Recyclability potential, in %	50
Total lifecycle Carbon footprint	0.1 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.0700906059
Carbon footprint of the manufacturing phase [A1 to A3]	0.1 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0031303224
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0077739855
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0.023894
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	0 kg CO2 eq.
Toxic heavy metal free	Yes
Mercury free	Yes

Sustainable packaging	Yes
Carbon footprint of the end-of-life phase [C1 to C4]	0.0199760978
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
Average percentage of recycled plastic content	23 %
Average percentage of recycled metal content	13 %
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
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: Di-isodecyl phthalate (DIDP),
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