



## Main

Range of product	Harmony XB4 Harmony XB5
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	Monitoring contact
Connections - terminals	Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to IEC 60947-1 Screw clamp terminals, $\geq 1 \times 0.34 \text{ mm}^2$ without cable end conforming- to IEC 60947-1

## Complementary

CAD overall width	10 Mm
CAD overall height	41 Mm
CAD overall depth	26 Mm
Product weight	0.013 Kg
Contacts type and composition	1 NC monitoring contact
Positive opening	With conforming to IEC 60947-5-1 appendix K
Operating travel	1.5 Mm (NC changing electrical state) 4.3 Mm (total travel)
Operating force	5 N NC changing electrical state
Mechanical durability	300000 Cycles
Tightening torque	0.8...1.2 N.M conforming to IEC 60947-1
Shape of screw head	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	6 A cartridge fuse type gG conforming to IEC 60947-5-1
[I <sub>th</sub> ] conventional free air thermal current	6 A conforming to IEC 60947-5-1
[U <sub>i</sub> ] rated insulation voltage	300 V (pollution degree 3) conforming to IEC 60947-1
[U <sub>imp</sub> ] rated impulse withstand voltage	4 KV conforming to IEC 60947-1
[I <sub>e</sub> ] rated operational current	1.5 A at 240 V, AC-15, B300 conforming to IEC 60947-5-1 3 A at 120 V, AC-15, B300 conforming to IEC 60947-5-1 0.11 A at 250 V, DC-13, R300 conforming to IEC 60947-5-1 0.22 A at 125 V, DC-13, R300 conforming to IEC 60947-5-1

Electrical durability	300000 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 300000 Cycles, AC-15, 3 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 300000 Cycles, AC-15, 3 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 300000 Cycles, DC-13, 0.3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 300000 Cycles, DC-13, 1 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Electrical reliability	$\Lambda < 10\exp(-7)$ at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4 $\Lambda < 10\exp(-8)$ at 17 V and 3.4 mA in clean environment conforming to IEC 60947-5-4
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 UL 60947-5-1 CSA C22.2 No 60947-5-1 JIS C8201-1 JIS C8201-5-1 GB/T 14048.5 BS EN 60947-5-1 GOST IEC 60947-5-1
Product certifications	CSA[RETURN]EAC[RETURN]BV[RETURN]DNV[RETURN]CE[RETURN]L-ROS (Lloyds register of shipping)[RETURN]CCC[RETURN]UL listed[RETURN]CB Scheme[RETURN]UKCA
Vibration resistance	5 gn ( $f = 10 \dots 500$ Hz) conforming to IEC 60068-2-6 25 mm peak to peak ( $f = 2 \dots 10$ 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 25 gn (duration = 6 ms) for 1000 shocks on each axis conforming to IEC 60068-2-27

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.4 Cm
Package 1 Width	3.3 Cm
Package 1 Length	4.2 Cm
Package 1 Weight	13 G
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Height	4.3 Cm
Package 2 Width	5.3 Cm
Package 2 Length	5.8 Cm
Package 2 Weight	71 G
Unit Type of Package 3	S01
Number of Units in Package 3	210
Package 3 Height	15 Cm
Package 3 Width	15 Cm
Package 3 Length	40 Cm
Package 3 Weight	3.348 Kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations
California proposition 65	"WARNING: This product can expose you to chemicals including: Lead and-lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> "

## Contractual warranty

Warranty	18 months
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Product Life Status : **Commercialised**