



### 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 IEC 60529
Contacts type and composition	1 NO + 1 NC
Contact operation	Slow-break
Contact block type	Double
Contacts usage	Standard contacts
Connections - terminals	Screw clamp terminals $\leq 2 \times 1.5 \text{ mm}^2$ with cable end EN 60947-1 Screw clamp terminals $\geq 1 \times 0.22 \text{ mm}^2$ without cable end EN 60947-1

### Complementary

Product weight	0.04 lb(US) (0.02 kg)
Positive opening	With EN/IEC 60947-5-1 appendix K
Operating travel	0.06 in (1.5 mm) NC changing electrical state 0.1 in (2.6 mm) NO changing electrical state 0.17 in (4.3 mm) total travel
Operating force	4.6 N NC + NO changing electrical state
Mechanical durability	10000000 cycles
Tightening torque	7.08...10.62 lbf.in (0.8...1.2 N.m) EN 60947-1
Shape of screw head	Cross Philips no 1 Cross pozidriv No 1 Slotted flat $\varnothing 4 \text{ mm}$ Slotted flat $\varnothing 5.5 \text{ mm}$
Contacts material	Silver alloy (Ag/Ni)
Short-circuit protection	10 A cartridge fuse gG EN/IEC 60947-5-1
[I <sub>th</sub> ] conventional free air thermal current	10 A EN/IEC 60947-5-1
[U <sub>i</sub> ] rated insulation voltage	600 V 3 EN 60947-1
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV EN 60947-1
[I <sub>e</sub> ] rated operational current	1.2 A 600 V AC-15 A600 EN/IEC 60947-5-1 0.27 A 250 V DC-13 Q600 EN/IEC 60947-5-1 0.1 A 600 V DC-13 Q600 EN/IEC 60947-5-1 3 A 240 V AC-15 A600 EN/IEC 60947-5-1 0.55 A 125 V DC-13 Q600 EN/IEC 60947-5-1 6 A 120 V AC-15 A600 EN/IEC 60947-5-1
Electrical durability	1000000 cycles AC-15 1 A 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles AC-15 1.5 A 120 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles AC-15 3 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles DC-13 0.15 A 110 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles DC-13 0.4 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
Electrical reliability	$\Lambda < 10^{\exp(-7)}$ 1 mA in clean environment EN/IEC 60947-5-4 $\Lambda < 10^{\exp(-8)}$ 5 mA in clean environment EN/IEC 60947-5-4
Mounting of block	Front mounting
Condition of use	Mounting on push-button collar
Electrical composition code	C2 $\leq$ 3 C4 $\leq$ 2 C6 $\leq$ 2 C8 $\leq$ 1 C10 $\leq$ 2 C13 $\leq$ 3 M2 $\leq$ 2 M4 $\leq$ 2

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M8 <= 2

Compatibility code

ZBE

## Environment

protective treatment

TH

ambient air temperature for storage

-40...158 °F (-40...70 °C)

ambient air temperature for operation

-40...158 °F (-40...70 °C)

standards

EN/IEC 60947-1  
EN/IEC 60947-5-1  
EN/IEC 60947-5-4  
JIS C 4520  
UL 508  
CSA C22.2 No 14

product certifications

BV  
CCC  
CSA  
DNV  
GL  
GOST  
LROS (Lloyds register of shipping)  
RINA  
UL

vibration resistance

5 gn 2...500 Hz IEC 60068-2-6

shock resistance

30 gn 18 ms half sine wave acceleration IEC 60068-2-27  
50 gn 11 ms half sine wave acceleration IEC 60068-2-27

## Contractual warranty

Warranty period

18 months