

# Single contact block, Harmony XB4, silver alloy, screw clamp terminal, 1NC

ZBE102

## 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	Standard contacts	
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end conforming to IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end conforming to IEC 60947-1	

# Complementary

Net weight	0.011 kg	
Contacts type and composition	1 NC	
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	2 N NC changing electrical state	
Mechanical durability	10000000 cycles	
Tightening torque	0.81.2 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	10 A cartridge fuse type gG conforming to IEC 60947-5-1	
[Ith] conventional free air thermal current	1 10 A conforming to IEC 60947-5-1	
[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to IEC 60947-1	
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 60947-1	
[le] rated operational current	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1	

1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1

Electrical durability	1000000 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 1000000 cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C
Mounting of block	Front mounting
Electrical composition code	C1 (quantity <= 9) C2 (quantity <= 7) C3 (quantity <= 6) C4 (quantity <= 4) C5 (quantity <= 5) C6 (quantity <= 3) C7 (quantity <= 2) C8 (quantity <= 2) C9 (quantity <= 6) M1 (quantity <= 6) M2 (quantity <= 4) M3 (quantity <= 4) M5 (quantity <= 2) M6 (quantity <= 2) M7 (quantity <= 6) M8 (quantity <= 2) M7 (quantity <= 2) M7 (quantity <= 2) M7 (quantity <= 2) M7 (quantity <= 2) SF1 (quantity <= 2) SF1 (quantity <= 2) MF1 (quantity <= 2) MF2 (quantity <= 2) MF2 (quantity <= 2) MF4 (quantity <= 2) MF4 (quantity <= 2) MF4 (quantity <= 2) MF4 (quantity <= 2) C10 (quantity <= 2) M4 (quantity <= 2) C13 (quantity <= 1)

# **Environment**

Device presentation

Protective treatment	тн	
Ambient air temperature for storage	-4070 °C	
Ambient air temperature for operation	-4070 °C	
Standards	IEC 60947-5-1 CSA C22.2 No 14 JIS C8201-5-1 IEC 60947-1 UL 508 IEC 60947-5-4 JIS C8201-1	
Product certifications	CSA GOST BV DNV LROS (Lloyds register of shipping) CCC UL	
Vibration resistance	5 gn (f= 2500 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	

Basic element

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1

Package 1 Height	5.500 cm
Package 1 Width	3.400 cm
Package 1 Length	5.400 cm
Package 1 Weight	9.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Height	5.600 cm
Package 2 Width	4.300 cm
Package 2 Length	5.400 cm
Package 2 Weight	52.000 g
Unit Type of Package 3	S03
Number of Units in Package 3	800
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	8.757 kg

# **Contractual warranty**

Warranty (in months)

18



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

#### Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Total lifecycle Carbon footprint	1
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration

#### **Use Again**

○ Repack and remanufacture	
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 and never end up in rubbish bins

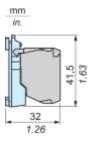
# Product data sheet

# **ZBE102**

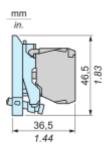
## **Dimensions Drawings**

### **Dimensions**

### with ZB5AZ009 Fixing Collar



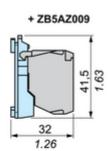
### with ZB4BZ009 Fixing Collar



# **Technical Illustration**

## **Dimensions**





#### + ZB4BZ009

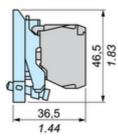


Image of product / Alternate images

### **Alternative**

