

Product data sheet

Specifications



High power switching contacts block, Harmony XB4, silver alloy, screw clamp terminal, 1NO+1NC

ZBE505

Main

Range of product	Harmony XB4 Harmony XB5
Product or component type	Contact block
Device short name	ZBE
Sale per indivisible quantity	1
IP degree of protection	IP20 IEC 60529
Contact operation	Slow-break
Contact block type	Double
Contacts usage	High power switching contacts
Connections - terminals	Screw clamp terminals, <= 1 x 2.5 mm ² with cable end Screw clamp terminals, <= 2 x 1.5 mm ² with cable end Screw clamp terminals, <= 2 x 2.5 mm ² without cable end Screw clamp terminals, >= 1 x 0.5 mm ² without cable end

Complementary

Product weight	0.071 lb(US) (0.032 kg)
Contacts type and composition	1 NO + 1 NC
Positive opening	With
Mechanical durability	10000000 cycles
Short-circuit protection	10 A cartridge fuse gG IEC 60947-5-1
[Ith] conventional free air thermal current	10 A IEC 60947-5-1
[Ui] rated insulation voltage	300 VIEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-1
[Ie] rated operational current	1.1 A 125 V, DC-13, P300 IEC 60947-5-1
Mounting of block	Front mounting
Electrical composition code	C15 1)

Environment

Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Ambient air temperature for operation	-40...158 °F (-40...70 °C)
Vibration resistance	5 gn (f= 2...500 Hz) conforming to 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.05 in (5.2 cm)
Package 1 Width	1.7 in (4.4 cm)
Package 1 Length	1.7 in (4.2 cm)
Package 1 Weight	1.4 oz (40.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	80
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	7.901 lb(US) (3.584 kg)

Contractual warranty

Warranty (in months)	18
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Environmental Data

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	0.4 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.2 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.

Use Better



Materials and Substances

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
EU RoHS Directive	Compliant
REACH Regulation	Free of Substances of Very High Concern above the threshold

Use Longer



Lifetime extension

Repair	No
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Use Again



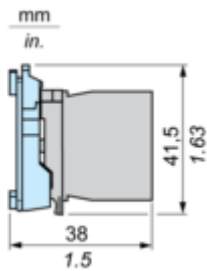
Repack and remanufacture

Recyclability potential, in %	98
Circularity Profile	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

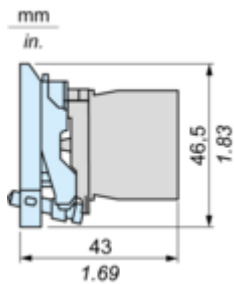
Dimensions Drawings

Dimensions

with ZB5AZ009 Fixing Collar



with ZB4BZ009 Fixing Collar



Technical Illustration

Dimensions

