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Product datasheet

Specifications



Contact block, Harmony XB4, Harmony XB5, single contact, silver alloy, screw clamp terminal, 1NC with monitoring

ZBE302

EAN Code: 3606482035027

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, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1 Screw clamp terminals, >= 1 x 0.34 mm² without cable end conforming to IEC 60947-1

Complementary

CAD overall width	10 mm
CAD overall height	41 mm
CAD overall depth	26 mm
Net 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
[Ith] conventional free air thermal current	6 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

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

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[Ie] 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	Λ < 10exp(-7) at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4 Λ < 10exp(-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 EAC BV DNV CE LROS (Lloyds register of shipping) CCC UL listed CB Scheme UKCA
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	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	1.400 cm
Package 1 Width	3.300 cm
Package 1 Length	4.200 cm
Package 1 Weight	13.000 g
Unit Type of Package 2	BB1

Number of Units in Package 2	5
Package 2 Height	4.300 cm
Package 2 Width	5.300 cm
Package 2 Length	5.800 cm
Package 2 Weight	74.000 g
Unit Type of Package 3	S01
Number of Units in Package 3	210
Package 3 Height	15.000 cm
Package 3 Width	15.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	3.348 kg

Logistical informations

Country of origin	ID

Contractual warranty

Warranty	18 months

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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	1
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant

Use Again

Repack and remanufacture

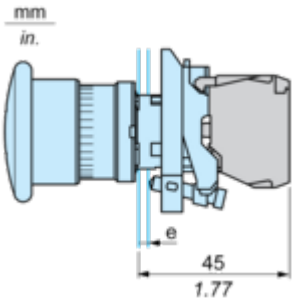
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

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Dimensions Drawings

Dimensions



e : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

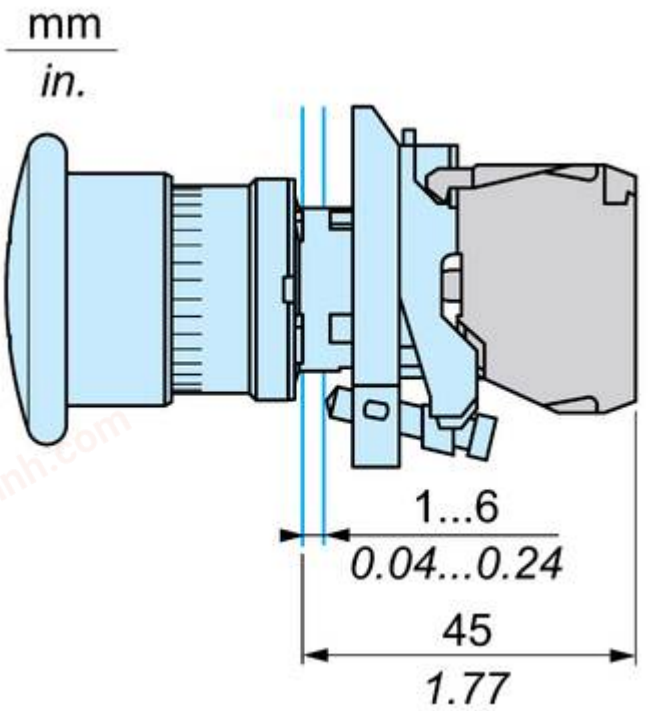
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Technical Illustration

Dimensions



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Offer Marketing Illustration

Product benefits / Features



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Offer Marketing Illustration

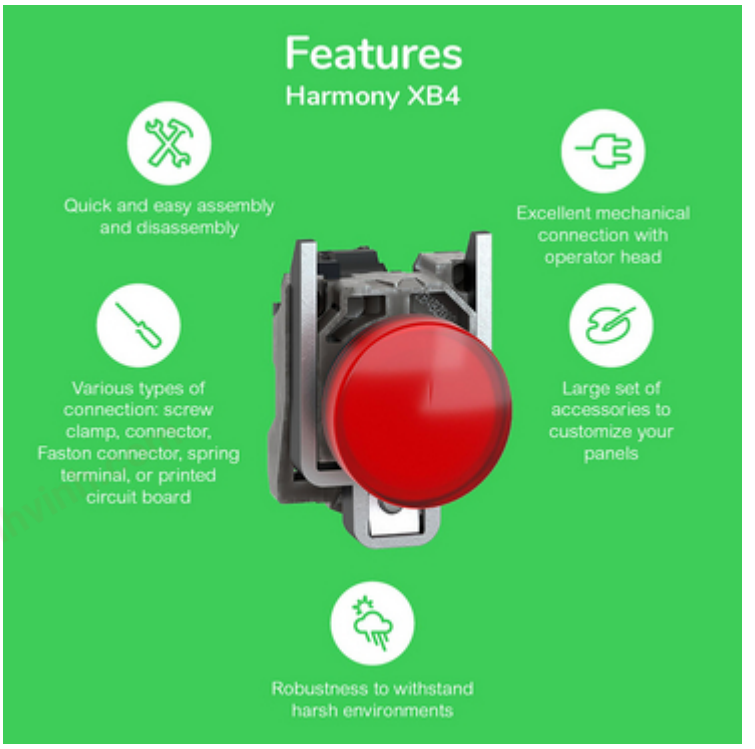
Product benefits / Features



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Offer Marketing Illustration

Product benefits / Features



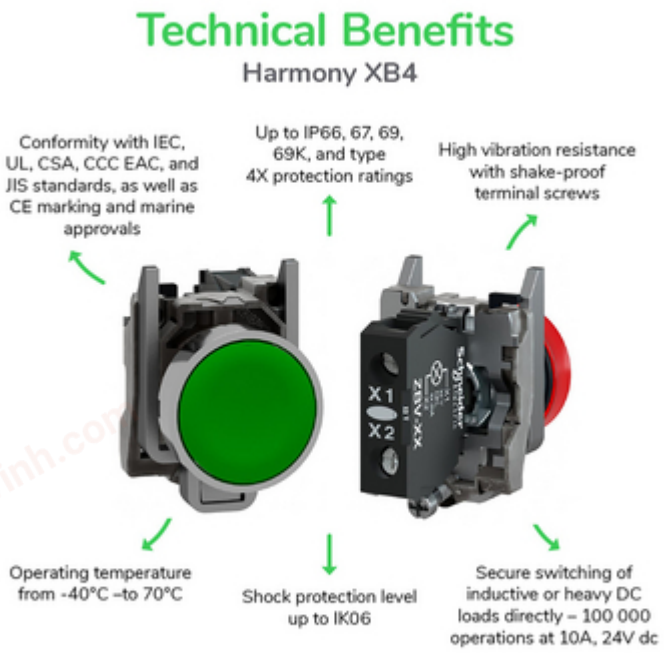
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Offer Marketing Illustration

Product benefits / Features



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Image of product / Alternate images

Alternative





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