

Product data sheet

Specifications



Complete body/contact assembly and light block, Harmony XB4, universal LED, body/fixing collar, 1NC, 110...120V

ZB4BW0G12

Main

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|-------------------------------|--|
| Range Of Product | Harmony XB4 |
| Product Or Component Type | Complete body/contact assembly and light block |
| Device Short Name | ZB4 |
| Fixing Collar Material | Zamak |
| Sale Per Indivisible Quantity | 1 |
| Head Type | Standard |
| Contacts Type And Composition | 1 NC |
| Contact Operation | Slow-break |
| Connections - Terminals | Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm² without cable end conforming to IEC 60947-1 |
| Light Source | Universal LED |
| Bulb Base | Integral LED |
| Light Block Supply | Direct |
| Light Source Colour | White |
| [Us] Rated Supply Voltage | 110...120 V AC at 50/60 Hz |

Complementary

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|-------------------------------|---|
| Cad Overall Width | 30 mm |
| Cad Overall Height | 47 mm |
| Terminals Description Iso N°1 | (11-12)NC |
| Net Weight | 0.064 kg |
| Contacts Usage | Standard |
| 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 | 5000000 cycles |
| Tightening Torque | 0.8...1.2 N.m conforming to IEC 60947-1 |
| Shape Of Screw Head | Cross compatible with Philips no 1 screwdriver 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) |

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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|---|--|
| Short-Circuit Protection | 10 A cartridge fuse type gG conforming to IEC 60947-5-1 |
| [Ith] Conventional Free Air Thermal Current | 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 |
| [Ie] 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 |
| Electrical Reliability | $\Lambda < 10\text{exp}(-6)$ at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4 $\Lambda < 10\text{exp}(-8)$ at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4 |
| Signalling Type | Steady |
| Current Consumption | 14 mA |
| Service Life | 100000 h at rated voltage and 25 °C |
| Surge Withstand | 1 kV conforming to IEC 61000-4-5 |
| Device Presentation | Basic sub-assemblies |

Environment

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|---------------------------------------|--|
| Protective Treatment | TH |
| Ambient Air Temperature For Storage | -40...70 °C |
| Ambient Air Temperature For Operation | -40...70 °C |
| Electrical Shock Protection Class | Class I conforming to IEC 60536 |
| Standards | UL 508 IEC 60947-1 IEC 60947-5-4 CSA C22.2 No 14 JIS C8201-5-1 IEC 60947-5-5 IEC 60947-5-1 JIS C8201-1 |
| Product Certifications | UL listed LROS (Lloyds register of shipping) BV GL CSA DNV |
| Vibration Resistance | 5 gn (f= 2...500 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 |
| Resistance To Fast Transients | 2 kV conforming to IEC 61000-4-4 |
| Resistance To Electromagnetic Fields | 10 V/m conforming to IEC 61000-4-3 |

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| Resistance To Electrostatic Discharge | 6 kV on contact (on metal parts) conforming to IEC 61000-2-6 8 kV in free air (in insulating parts) conforming to IEC 61000-2-6 |
| Electromagnetic Emission | Class B conforming to IEC 55011 |

Packing Units

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|------------------------------|--------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 8.8 cm |
| Package 1 Width | 3.4 cm |
| Package 1 Length | 5.4 cm |
| Package 1 Weight | 69.0 g |

Contractual warranty

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| Warranty | 18 months |
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Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

✓ Mercury Free

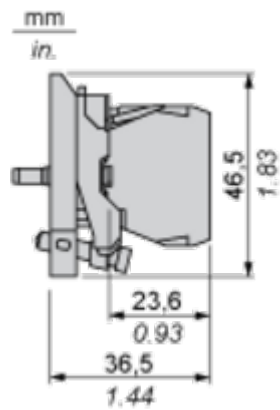
✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

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|---------------------------|---|
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| China Rohs Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile | End of Life Information |
| 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 www.P65Warnings.ca.gov |

Dimensions Drawings

Dimensions



Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

| Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board | Connection by Faston Connectors |
|---|---------------------------------|
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| <p>(1) Diameter on finished panel or support</p> <p>(2) 40 mm min. / 1.57 in. min.</p> <p>(3) 30 mm min. / 1.18 in. min.</p> <p>(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $^{+0.4}_0$ / 0.88 in. $^{+0.016}_0$)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p> | |