ZB5AW0B11

Complete body contact assembly and light block, Harmony XB5, plastic, universal LED, body fixing collar, 1NO, 24V AC DC





Main

| Range of product | Harmony XB5 |
|-------------------------------|--|
| Product or component type | Complete body/contact assembly and light block |
| Device short name | ZB5 |
| Fixing collar material | Plastic |
| Sale per indivisible quantity | 1 |
| Head type | Standard |
| Contacts type and composition | 1 NO |
| 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 |

Complementary

| Complementary | | | | |
|---|--|--|--|--|
| CAD overall width | 30 mm | | | |
| CAD overall height | 42 mm | | | |
| CAD overall depth | 32 mm | | | |
| Terminals description ISO n°1 | (13-14)NO | | | |
| Net weight | 0.032 kg | | | |
| Contacts usage | Standard | | | |
| Positive opening | Without | | | |
| Operating travel | 2.6 Mm (NO changing electrical state) 4.3 mm (total travel) | | | |
| Operating force | 2.3 N NO changing electrical state | | | |
| Operating torque | 0.05 N.m NO changing electrical state | | | |
| Mechanical durability | 5000000 cycles | | | |
| Tightening torque | 0.81.2 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) | | | |
| 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 | | | |
| [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 |
| Electrical reliability | Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4 Λ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4 |
| Signalling type | Steady |
| [Us] rated supply voltage | 24 V AC/DC at 50/60 Hz |
| Supply voltage limits | 19.230 V DC 21.626.4 V AC |
| Current consumption | 18 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

| Protective treatment | TH | | | |
|---------------------------------------|---|--|--|--|
| Ambient air temperature for storage | -4070 °C | | | |
| Ambient air temperature for operation | -4070 °C | | | |
| Electrical shock protection class | Class II conforming to IEC 60536 | | | |
| Standards | IEC 60947-1 UL 508 IEC 60947-5-1 CSA C22.2 No 14 JIS C8201-5-1 IEC 60947-5-4 JIS C8201-1 | | | |
| Product certifications | UL listed[RETURN]LROS (Lloyds register of shipping) [RETURN]GL[RETURN]CSA[RETURN]BV[RETURN]DNV | | | |
| 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 | | | |
| 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 | | | |
| 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

| . doming office | |
|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 5.600 cm |
| Package 1 Width | 3.400 cm |
| Package 1 Length | 5.400 cm |
| Package 1 Weight | 29.000 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 200 |
| Package 2 Height | 30.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 6.296 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 1600 |
| | |

| Package 3 Height | 75.000 cm | |
|------------------|-----------|--|
| Package 3 Width | 60.000 cm | |
| Package 3 Length | 80.000 cm | |
| Package 3 Weight | 64.124 kg | |

Offer Sustainability

| nable offer status | Green Premium product REACh Declaration | | | |
|-----------------------|---|--|--|--|
| n Regulation | | | | |
| HS Directive | Pro-active compliance (Product out of EU RoHS legal scope) | | | |
| y free | Yes | | | |
| RoHS Regulation | ☐ China RoHS Declaration | | | |
| exemption information | ₫Yes | | | |
| nmental Disclosure | Product Environmental Profile | | | |
| rity Profile | [™] End Of Life Information | | | |
| | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins | | | |
| | | | | |

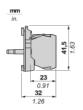
Contractual warranty

| | • |
|----------|-----------|
| Warranty | 18 months |

Product data sheet Dimensions Drawings

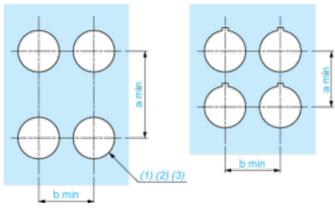
ZB5AW0B11

Dimensions



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

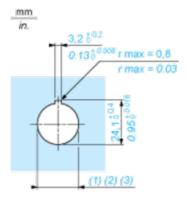
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3) Ø22.5 mm recommended (Ø22.3 $_{0}$ ^{+0.4}) / Ø0.89 in. recommended (Ø0.88 in. $_{0}$ ^{+0.016})

| Connections | a in mm | a in in. | b in mm | b in in. |
|---|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 40 | 1.57 | 30 | 1.18 |
| By Faston connectors | 45 | 1.77 | 32 | 1.26 |
| On printed circuit board | 30 | 1.18 | 30 | 1.18 |

Detail of Lug Recess



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3) Ø22.5 mm recommended (Ø22.3 $_0$ $^{+0.4})$ / Ø0.89 in. recommended (Ø0.88 in. $_0$ $^{+0.016}$)