



Main

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| Range of product | Harmony XB5 |
| Product or component type | Complete body/light block assembly |
| Device short name | ZB5 |
| Fixing collar material | Plastic |
| Sale per indivisible quantity | 1 |
| Connections - terminals | Screw clamp terminals : $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN 60947-1 Screw clamp terminals : $>= 1 \times 0.22 \text{ mm}^2$ without cable end conforming to EN 60947-1 |
| Light source | Protected LED |
| Bulb base | Integral LED |
| Light source colour | Orange |

Complementary

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|--|---|
| CAD overall width | 30 mm |
| CAD overall height | 42 mm |
| CAD overall depth | 32 mm |
| Terminals description ISO n°1 | (X1-X2)PL |
| Product weight | 0.022 kg |
| Tightening torque | 0.8...1.2 N.m conforming to EN 60947-1 |
| Shape of screw head | Cross Philips no 1 Cross pozidriv No 1 Slotted flat $\varnothing 4 \text{ mm}$ Slotted flat $\varnothing 5.5 \text{ mm}$ |
| [Ui] rated insulation voltage | 600 V (degree of pollution: 3) conforming to EN 60947-1 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN 60947-1 |
| Signalling type | Steady |
| [Us] rated supply voltage | 24...120 V AC/DC, 50/60 Hz |
| Supply voltage limits | 19.2...132 V DC 21.6...132 V AC |
| Service life | 100000 h at rated voltage and 25 °C |

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| Surge withstand | 1 kV conforming to IEC 61000-4-5 |
|-----------------|----------------------------------|

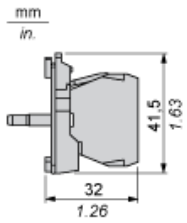
Environment

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|--|--|
| Protective treatment | TH |
| Ambient air temperature for storage | -40...70 °C |
| Ambient air temperature for operation | -40...70 °C |
| Class of protection against electric shock | Class II conforming to IEC 60536 |
| Standards | JIS C 4520 EN/IEC 60947-5-1 EN/IEC 60947-1 CSA C22.2 No 14 EN/IEC 60947-5-4 UL 508 |
| Product certifications | RINA BV LROS (Lloyds register of shipping) GL DNV UL listed CSA |
| 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 |
| 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 |

Contractual warranty

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| Warranty period | 18 months |
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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) $\varnothing 22.5$ mm recommended ($\varnothing 22.3 \text{ }_0^{+0.4}$) / $\varnothing 0.89$ in. recommended ($\varnothing 0.88 \text{ in. }_0^{+0.016}$)

| 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) $\varnothing 22.5$ mm recommended ($\varnothing 22.3 \text{ }_0^{+0.4}$) / $\varnothing 0.89$ in. recommended ($\varnothing 0.88 \text{ in. }_0^{+0.016}$)