



### Main

|                               |  |
|-------------------------------|--|
| Commercial Status             | Commercialised   |
| 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: $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to EN 60947-1<br>Screw clamp terminals: $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN 60947-1 |
| Light source                  | Protected LED  |
| Bulb base                     | Integral LED   |
| Light source colour           | Red  |

### Complementary

|  |   |
|--|---|
| 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                    | Slotted head compatible with flat $\varnothing 5.5 \text{ mm}$ screwdriver<br>Slotted head compatible with flat $\varnothing 4 \text{ mm}$ screwdriver<br>Cross head compatible with pozidriv No 1 screwdriver<br>Cross head compatible with Philips no 1 screwdriver |
| [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                  | 21.6...132 V AC<br>19.2...132 V DC  |
| Service life                           | 100000 h at rated voltage and 25 °C   |
| Surge withstand                        | 1 kV conforming to IEC 61000-4-5  |

### Environment

|  |   |
|--|---|
| Protective treatment                       | TH  |
| Ambient air temperature for storage        | -40...70 °C   |
| Ambient air temperature for operation      | -25...70 °C   |
| Class of protection against electric shock | Class II conforming to IEC 60536  |
| Standards                                  | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>JIS C 4520<br>UL 508<br>CSA C22.2 No 14 |

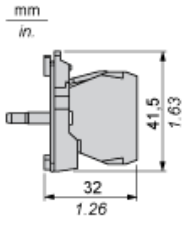
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|                                       |  |
|---------------------------------------|--|
| Product certifications                | BV<br>CSA<br>DNV<br>GL<br>LROS (Lloyds register of shipping)<br>RINA<br>UL listed  |
| Vibration resistance                  | 5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6  |
| Shock resistance                      | 50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27<br>30 gn for 18 ms 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 | 8 kV in free air (in insulating parts) conforming to IEC 61000-2-6<br>6 kV on contact (on metal parts) conforming to IEC 61000-2-6                   |
| Electromagnetic emission              | Class B conforming to IEC 55011  |

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Dimensions

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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 ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )