

XB5AVB6

blue complete pilot light Ø22 plain lens with integral LED 24V



Main

| | |
|---------------------------------|----------------------|
| Range of product | Harmony XB5 |
| Product or component type | Complete pilot light |
| Device short name | XB5 |
| Bezel material | Plastic |
| Fixing collar material | Plastic |
| Head type | Standard |
| Mounting diameter | 22 mm |
| Sale per indivisible quantity | 1 |
| Shape of signaling unit head | Round |
| Cap/operator or lens colour | Blue |
| Operator additional information | With plain lens |
| Light source | Protected LED |
| Bulb base | Integral LED |
| Light source colour | Blue |
| GCR BRIDGE | GCR_XB5AVB1 |
| [Us] rated supply voltage | 24 V AC/DC, 50/60 Hz |
| Device presentation | Complete product |

Complementary

| | |
|--|---|
| Height | 42 mm |
| Width | 30 mm |
| Depth | 54 mm |
| Terminals description ISO n°1 | (X1-X2)PL |
| Product weight | 0.038 kg |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance: 0.1 m |
| Connections - terminals | Screw clamp terminals <= 2 x 1.5 mm ² with cable end EN/IEC 60947-1 Screw clamp terminals 1 x 0.22...2 x 2.5 mm ² without cable end EN/IEC 60947-1 |
| [Ui] rated insulation voltage | 250 V (degree of pollution: 3) conforming to EN 60947-1 |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to EN 60947-1 |
| Signalling type | Steady |
| Supply voltage limits | 19.2...30 V DC 21.6...26.4 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 |

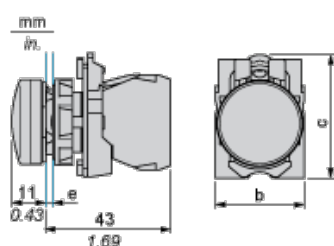
Environment

| | |
|---------------------------------------|---|
| protective treatment | TH |
| ambient air temperature for storage | -40...70 °C |
| ambient air temperature for operation | -40...70 °C |
| overvoltage category | Class II conforming to IEC 60536 |
| IP degree of protection | IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69 conforming to IEC 60529 IP69K conforming to ISO 20653 |
| NEMA degree of protection | NEMA 13 NEMA 4X |
| IK degree of protection | IK05 conforming to IEC 50102 |

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| | |
|---------------------------------------|--|
| standards | EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-4 JIS C 4520 UL 508 CSA C22.2 No 14 |
| product certifications | CSA UL listed |
| vibration resistance | 5 gn (f = 12...500 Hz) conforming to IEC 60068-2-6 |
| shock resistance | 50 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 30 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 |
| electromagnetic compatibility | Electrostatic discharge 8 kV in free air (in insulating parts) IEC 61000-4-2 Electrostatic discharge 6 kV on contact (on metal parts) IEC 61000-4-2 Electromagnetic emission class B IEC 55011 |
| resistance to electrostatic discharge | 6 kV on contact (on metal parts) conforming to IEC 61000-4-2 8 kV in free air (in insulating parts) conforming to IEC 61000-4-2 |
| electromagnetic emission | Class B conforming to IEC 55011 |

Dimensions



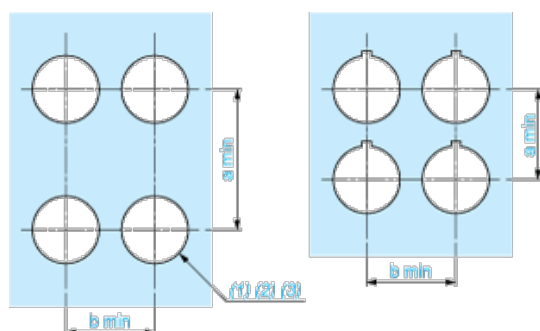
e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

b: 30 mm / 1.18 in.

c: 41.5 mm / 1.63 in.

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



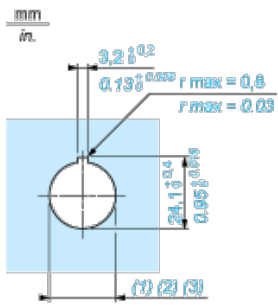
(1) Diameter on finished panel or support

(2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.

(3) Ø22.5 mm recommended ($\text{Ø}22.3_{0}^{+0.4}$) / Ø0.89 in. recommended ($\text{Ø}0.89_{0}^{+0.016}$)

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