



## Main

|                                 |                          |
|---------------------------------|--------------------------|
| Range of product                | Harmony XB5              |
| Product or component type       | Complete pilot light     |
| Device short name               | XB5                      |
| Bezel material                  | Plastic                  |
| Fixing collar material          | Plastic                  |
| Mounting diameter               | 22 mm                    |
| Sale per indivisible quantity   | 1                        |
| Shape of signaling unit head    | Round                    |
| Cap/Operator or lens colour     | White                    |
| Operator additional information | With plain lens          |
| Light source                    | Protected LED            |
| Bulb base                       | Integral LED             |
| Light source colour             | White                    |
| [Us] rated supply voltage       | 230...240 V AC, 50/60 Hz |

## Complementary

|  |   |
|--|---|
| CAD overall width                      | 30 mm   |
| CAD overall height                     | 42 mm   |
| CAD overall 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 <sup>2</sup> with cable end conforming to EN/IEC 60947-1<br>Screw clamp terminals: 1 x 0.22...2 x 2.5 mm <sup>2</sup> without cable end conforming to 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                  | 195...264 V AC  |
| Current consumption                    | 14 mA   |
| Service life                           | 100000 h at rated voltage and 25 °C   |
| Surge withstand                        | 1 kV conforming to IEC 61000-4-5  |

## Environment

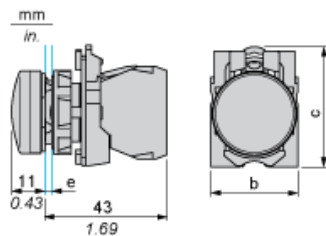
|  |                                  |
|--|----------------------------------|
| Protective treatment                       | TH                               |
| Ambient air temperature for storage        | -40...70 °C                      |
| Ambient air temperature for operation      | -25...70 °C                      |
| Class of protection against electric shock | Class II conforming to IEC 60536 |
| IP degree of protection                    | IP66 conforming to IEC 60529     |
| NEMA degree of protection                  | NEMA 4X<br>NEMA 13               |
| IK degree of protection                    | IK05 conforming to IEC 50102     |

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN/IEC 60947-5-4<br>UL 508<br>EN/IEC 60947-1<br>CSA C22-2 No 14<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-5<br>JIS C 4520                                |
| Product certifications                | CSA<br>UL listed   |
| Vibration resistance                  | 5 gn (f = 12...500 Hz) conforming to IEC 60068-2-6   |
| Shock resistance                      | 30 gn for 18 ms half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn for 11 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 | 6 kV on contact (on metal parts) conforming to IEC 61000-4-2<br>8 kV in free air (in insulating parts) conforming to IEC 61000-4-2                   |
| Electromagnetic emission              | Class B conforming to IEC 55011  |

Dimensions of Pilot Lights

Integral LED

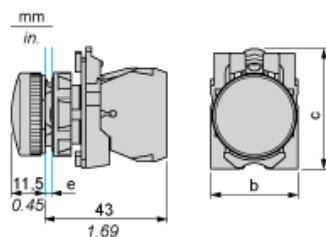
XB5 AVB•, XB5 AVG•, XB5 AVM•



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

Direct Supply

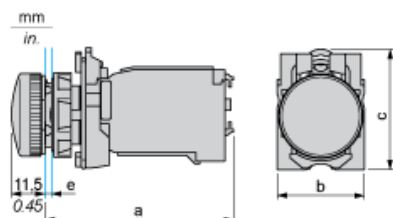
XB5 AV6•



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

Via Integral Transformer

XB5 AV3•, XB5 AV4•

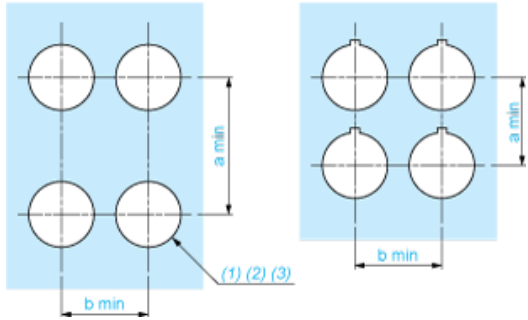


e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

|           | a in mm | a in in. | b in mm | b in in. | c in mm | c in in. |
|-----------|---------|----------|---------|----------|---------|----------|
| XB5 AV••  | 43      | 1.69     | 30      | 1.18     | 41.5    | 1.63     |
| XB5 AV5B• | 89.6    | 3.53     | 40      | 1.57     | 45      | 1.77     |

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

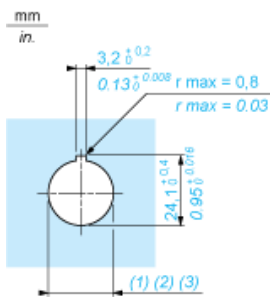
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5 AZ902 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 ZB5 AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )