

## XB5AVM1

white complete pilot light Ø22 plain lens with integral LED 230...240V



### 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 |
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| 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 <sup>2</sup> with 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                                                              |

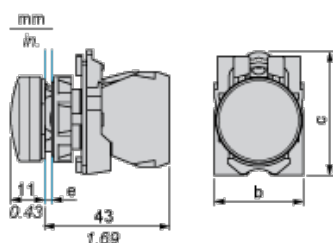
### Environment

|                                       |                                                                                |
|---------------------------------------|--------------------------------------------------------------------------------|
| protective treatment                  | TH                                                                             |
| ambient air temperature for storage   | -40...70 °C                                                                    |
| ambient air temperature for operation | -40...70 °C                                                                    |
| overvoltage category                  | Class II conforming to IEC 60536                                               |
| IP degree of protection               | IP67<br>IP66 conforming to IEC 60529                                           |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                             |
| IK degree of protection               | IK05 conforming to IEC 50102                                                   |
| standards                             | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>JIS C 4520<br>UL 508 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                                       |                                                                                                                                                                                                      |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| product certifications                | CSA<br>UL listed                                                                                                                                                                                     |
| vibration resistance                  | 5 gn ( $f = 12 \dots 500$ 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<br>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<br>Electrostatic discharge 6 kV on contact (on metal parts) IEC 61000-4-2<br>Electromagnetic emission class B IEC 55011 |
| 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



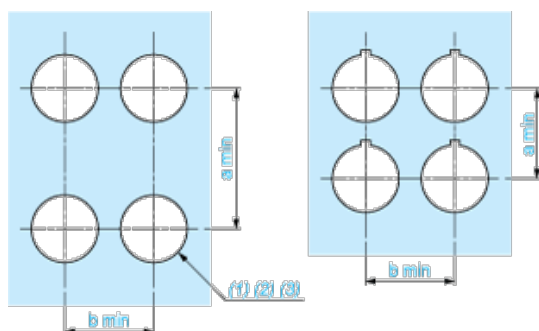
e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

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

| 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

