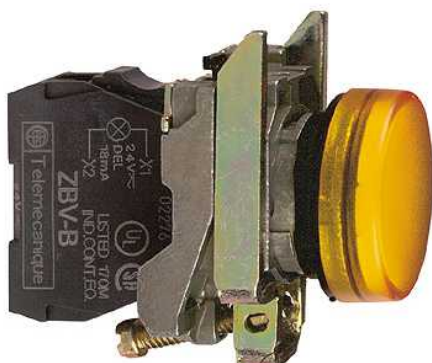


# XB4BVB5EX

round pilot light Ø 22 - IP65 - yellow - integral  
LED - 24 V - lugs - ATEX



## Main

|                                 |                       |
|---------------------------------|-----------------------|
| Range of product                | Harmony XB4           |
| Product or component type       | Complete pilot light  |
| Device short name               | XB4                   |
| Bezel material                  | Chromium plated metal |
| Fixing collar material          | Zamak                 |
| Mounting diameter               | 22 mm                 |
| Sale per indivisible quantity   | 1                     |
| Dust zone                       | Zone 21 - 22          |
| Operator additional information | With plain lens       |

## Complementary

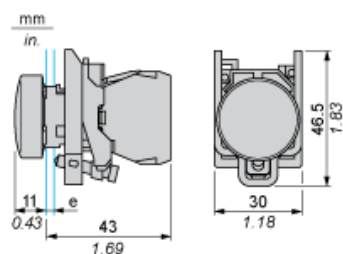
|                                        |                                                                                                                                                                                                                                                 |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resistance to high pressure washer     | 7000000 Pa at 55 °C at 0.1 m                                                                                                                                                                                                                    |
| Device mounting                        | Fixing hole Ø 22.5 mm (22.3 +0.4/0)                                                                                                                                                                                                             |
| Fixing center                          | >= 30 x 40 mm on support panel                                                                                                                                                                                                                  |
| Embedding depth                        | 43 mm                                                                                                                                                                                                                                           |
| Marking                                | Ex tb IIIC                                                                                                                                                                                                                                      |
| Shape of signaling unit head           | Round                                                                                                                                                                                                                                           |
| Cap/Operator or lens colour            | Orange                                                                                                                                                                                                                                          |
| Connections - terminals                | Screw clamp terminals, clamping capacity: 1 x 0.22...2 x 2.5 mm <sup>2</sup> without cable end conforming to EN/IEC 60947-1<br>Screw clamp terminals, clamping capacity: <= 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                                                                                                                                                                                                                                          |
| Light source                           | Integral LED                                                                                                                                                                                                                                    |
| Light source colour                    | Orange                                                                                                                                                                                                                                          |
| [Us] rated supply voltage              | 24 V AC/DC 50/60 Hz                                                                                                                                                                                                                             |
| Supply voltage limits                  | 21.6...26.4 V AC<br>19.2...30 V DC                                                                                                                                                                                                              |
| 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 | -25...70 °C                  |
| Overvoltage category                  | I conforming to IEC 60536    |
| IP degree of protection               | IP65 conforming to IEC 60529 |
| NEMA degree of protection             | NEMA 4X<br>NEMA 13           |
| IK degree of protection               | IK05 conforming to IEC 50102 |

|                                       |                                                                                                                                                                                |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Standards                             | IEC 60079-31 : 2008<br>IEC 60079-0 : 2007<br>EN 61000-6-2<br>EN 60079-31 : 2009<br>EN 60079-0 : 2009                                                                           |
| Directives                            | 94/9/EC - ATEX directive                                                                                                                                                       |
| Product certifications                | INERIS 04ATEX9004U                                                                                                                                                             |
| Vibration resistance                  | 5 gn (f = 12...500 Hz) conforming to IEC 60068-2-6                                                                                                                             |
| Shock resistance                      | 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>30 gn (duration = 18 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 | 8 kV in free air (in insulating parts) conforming to IEC 61000-4-2<br>6 kV on contact (on metal parts) conforming to IEC 61000-4-2                                             |
| Electromagnetic emission              | Class B conforming to IEC 55011                                                                                                                                                |

## Pilot Light



e : support thickness: 1 to 6 mm / 0.04 to 0.24 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                                                                                                                                                                                                                    | Connection by Faston Connectors |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|                                                                                                                                                                                                                                                                                                          |                                 |
| <div> (1) Diameter on finished panel or support (2) 40 mm min. / 1.57 in. min. (3) 30 mm min. / 1.18 in. min. (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm <sup>+0.4</sup><sub>0</sub> / 0.88 in. <sup>+0.016</sup><sub>0</sub>) (5) 45 mm min. / 1.78 in. min. (6) 32 mm min. / 1.26 in. min. </div> |                                 |