

XB4BVM4EX

round pilot light Ø 22 - IP65 - red - integral LED -
230..240 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 |
| Head type | Standard |
| 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 | Red |
| Connections - terminals | Screw clamp terminals, clamping capacity: <= 2 x 1.5 mm ² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, clamping capacity: 1 x 0.22...2 x 2.5 mm ² without cable end conforming to EN/IEC 60947-1 |
| [U _i] rated insulation voltage | 250 V (degree of pollution: 3) conforming to EN 60947-1 |
| [U _{imp}] rated impulse withstand voltage | 4 kV conforming to EN 60947-1 |
| Signalling type | Steady |
| Light source | Integral LED |
| Light source colour | Red |
| [U _s] rated supply voltage | 230...240 V AC 50/60 Hz |
| 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

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|---------------------------------------|--|
| protective treatment | TH |
| ambient air temperature for storage | -40...70 °C |
| ambient air temperature for operation | -20...60 °C |
| overvoltage category | I conforming to IEC 60536 |
| IP degree of protection | IP65 conforming to IEC 60529 |
| NEMA degree of protection | NEMA 13 NEMA 4X |
| IK degree of protection | IK05 conforming to IEC 50102 |
| standards | EN 61000-6-2 EN 60079-0 : 2009 EN 60079-31 : 2009 IEC 60079-0 : 2007 IEC 60079-31 : 2008 |
| directives | 94/9/EC - ATEX directive |

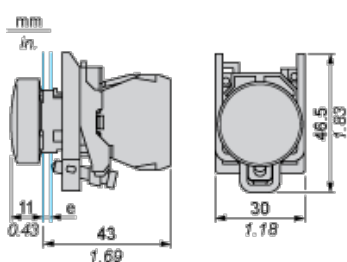
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| | |
|---------------------------------------|--|
| product certifications | INERIS 04ATEX9004U |
| vibration resistance | 5 gn (f = 12...500 Hz) conforming to IEC 60068-2-6 |
| shock resistance | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 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 |
| 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 |

Contractual warranty

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|-----------------|---------------------|
| Warranty period | 18 months 18 months |
|-----------------|---------------------|

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 |
|---|---------------------------------|
| | |
| <p>(1) Diameter on finished panel or support</p> <p>(2) 40 mm min. / 1.57 in. min.</p> <p>(3) 30 mm min. / 1.18 in. min.</p> <p>(4) \varnothing 22.5 mm / 0.89 in. recommended (\varnothing 22.3 mm $_{0}^{+0.4}$ / 0.88 in. $_{0}^{+0.016}$)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p> | |