



## Main

|                               |                                          |
|-------------------------------|------------------------------------------|
| Range of product              | Harmony XB7                              |
| Product or component type     | Monolithic pilot light                   |
| Device short name             | XB7                                      |
| Mounting diameter             | 22 mm                                    |
| Sale per indivisible quantity | 10                                       |
| Shape of signaling unit head  | Round                                    |
| Cap/Operator or lens colour   | Green                                    |
| Light source                  | Incandescent (bulb not included)         |
| Bulb base                     | BA 9s                                    |
| Light block supply            | Direct through resistor / 2.6 W - 130 V) |
| [Us] rated supply voltage     | 230 V AC, 50/60 Hz                       |

## Complementary

|                                        |                                                                                                                                                                                                                                                                                                                       |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Height                                 | 29 mm                                                                                                                                                                                                                                                                                                                 |
| Width                                  | 29 mm                                                                                                                                                                                                                                                                                                                 |
| Depth                                  | 54 mm                                                                                                                                                                                                                                                                                                                 |
| Terminals description ISO n°1          | (X1-X2)PL                                                                                                                                                                                                                                                                                                             |
| Product weight                         | 0.02 kg                                                                                                                                                                                                                                                                                                               |
| Device mounting                        | Fixing hole: Ø 22.5 mm (22.3 +0.4/0) conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                   |
| Fixing center                          | >= 30 x 40 mm on support panel, plastic, thickness: 2...6 mm<br>>= 30 x 40 mm on support panel, metal, thickness: 1...6 mm                                                                                                                                                                                            |
| Fixing mode                            | Fixing nut beneath head recommended torque: 2.2 N.m (+/- 0.2 N.m)                                                                                                                                                                                                                                                     |
| Connections - terminals                | Screw clamp terminals: 1 x 0.22...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1<br>Screw clamp terminals: <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1<br>Forked type tag connectors(6.5 mm) conforming to EN/IEC 60947-1<br>Faston connectors(6.35 x 0.8 mm) conforming to EN/IEC 60947-1 |
| Tightening torque                      | 0.8...1.2 N.m conforming to EN 60947-1                                                                                                                                                                                                                                                                                |
| Shape of screw head                    | Slotted head compatible with flat Ø 5.5 mm screwdriver<br>Slotted head compatible with flat Ø 4 mm screwdriver<br>Cross head compatible with pozidriv No 1 screwdriver<br>Cross head compatible with Philips no 1 screwdriver<br>Cross head compatible with JIS No 1 screwdriver                                      |
| [Ui] rated insulation voltage          | 250 V (degree of pollution: 3) conforming to EN/IEC 60947-1                                                                                                                                                                                                                                                           |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-1                                                                                                                                                                                                                                                                                     |
| Signalling type                        | Steady                                                                                                                                                                                                                                                                                                                |
| Supply voltage limits                  | 195...264 V AC                                                                                                                                                                                                                                                                                                        |

## Environment

|                                            |                                                                                       |
|--------------------------------------------|---------------------------------------------------------------------------------------|
| Protective treatment                       | TH                                                                                    |
| Ambient air temperature for storage        | -40...70 °C                                                                           |
| Ambient air temperature for operation      | -25...55 °C                                                                           |
| Class of protection against electric shock | Class II conforming to IEC 60536                                                      |
| IP degree of protection                    | IP54 (front face) conforming to IEC 60529<br>IP20 (rear face) conforming to IEC 60529 |
| NEMA degree of protection                  | NEMA 12                                                                               |

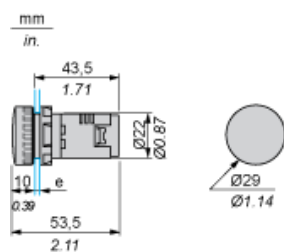
|                          |                                                                                       |
|--------------------------|---------------------------------------------------------------------------------------|
| Standards                | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>JIS C 4520<br>UL 508<br>CSA C22.2 No 14         |
| Vibration resistance     | 5 gn (f = 2...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 |
| Electromagnetic emission | Class B conforming to EN 55011                                                        |

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Pilot Light with Screw Terminal

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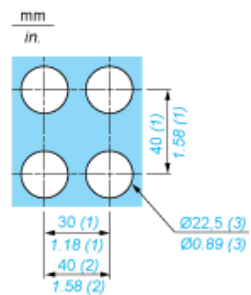
Dimensions



e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

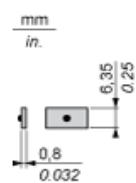
## Mounting

### Diameter of Finished Fixing Holes

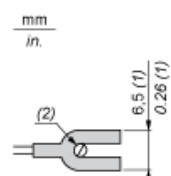


- (1) Minimum value.
- (2) 40 mm/1.58 in. for Emergency switching off pushbutton only.
- (3) Standard value: Ø 22.3 (0; + 0.4) mm/Ø 0.88 (0; + 0.02) in.

### Faston Clip Connection



### “U” Type Tag Connection

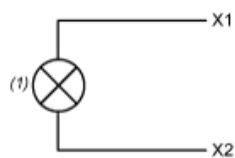


- (1) 6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.
- (2) M3 screw clamp terminal.

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Wiring Diagram

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(1) bulb BA 9s