# Product datasheet
## Characteristics

# AD22-22DS-blue
round pilot light Ø 22 - blue - integral LED - 220 V AC - screw clamp terminals




Green Premium™

## Main

| | |
|---|---|
| Range of product | AD22 |
| Product or component type | Monolithic pilot light |
| Device short name | AD22 |
| Mounting diameter | 22 mm |
| Sale per indivisible quantity | 1 |
| Shape of signaling unit head | Round |
| Cap/Operator or lens colour | Blue |
| Light source | LED |
| Bulb base | Integral LED |
| [Us] rated supply voltage | 220 V AC 50/60 Hz |

## Complementary

| | |
|---|---|
| Height | 29 mm |
| Width | 29 mm |
| Depth | 50 mm |
| Terminals description ISO n°1 | (X1-X2)PL |
| Net weight | 0.017 kg |
| Device mounting | Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to EN/IEC 60947-5-1 |
| Fixing center | >= 30 x 40 mm (support panel) metal - thickness: 1…6 mm<br>>= 30 x 40 mm (support panel) plastic - thickness: 2…6 mm |
| Fixing mode | Fixing nut beneath head recommended torque: 1.2 N.m (+/- 0.4 N.m) |
| Marking | CE<br>CCC |
| Connections - terminals | Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-5-1<br>Screw clamp terminals, 1 x 0.5...1 x 2.5 mm² without cable end conforming to EN/IEC 947-5-1 |
| Tightening torque | 0.8…1.2 N.m conforming to EN 60947-1 |
| Shape of screw head | Cross compatible with JIS No 1 screwdriver<br>Cross compatible with Philips no 1 screwdriver<br>Cross compatible with pozidriv No 1 screwdriver |

## Mounting and Clearance

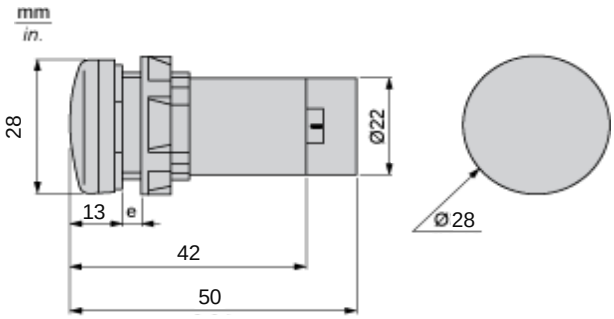
| | |
|---|---|
| | Slotted compatible with flat Ø 4 mm screwdriver<br>Slotted compatible with flat Ø 5.5 mm screwdriver |
| [Ui] rated insulation voltage | 250 V (pollution degree 3) conforming to EN/IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 6 kV EN/IEC 60947-1 |
| Signalling type | Steady |
| Supply voltage limits | 0.8…1.1 V AC |
| Current consumption | 16...20 mA |
| Service life | 50000 h at rated voltage and 25 °C |
| Compatibility code | AD22 |

## Environment

| | |
|---|---|
| Protective treatment | TC |
| Ambient air temperature for storage | -40…80 °C |
| Ambient air temperature for operation | -25…70 °C |
| Overvoltage category | Class I conforming to IEC 536 |
| IP degree of protection | IP40 (front face) conforming to IEC 60529<br>IP40 (rear face) conforming to IEC 60529 |
| 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<br>30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

# Dimensions Drawings

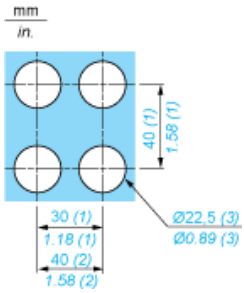
## Dimensions




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

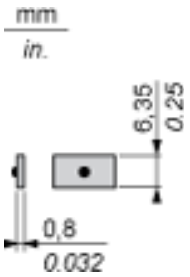
## Diameter of Finished Fixing Holes



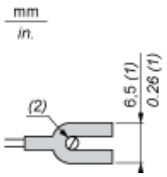

(1) Minimum value.
(2) 40 mm/1.58 in. for Emergency switching off pushbutton only.
(3) Standard value: Ø 22.3 (0; + 0.4) mm/Ø 0.88 (0; + 0.02) in.

## Mounting and Clearance

### Faston Clip Connection




### “U” Type Tag Connection

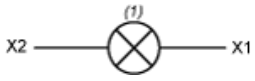



(1) 6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.

M3 screw clamp terminal.

## Connections and Schema

### Wiring Diagram




(1) LED