

Product datasheet

Specifications



green light block with body/fixing collar integral LED 110...120V

Local distributor code: 237205131 ZB5AVG3

❗ Discontinued on: 31 January 2023

❗ End-of-service on: 13 January 2023

❗ Discontinued

EAN Code : 3389110907872

Main

| | |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product | Harmony XB5 |
| Product or component type | Complete body/light block assembly |
| Device short name | ZB5 |
| Fixing collar material | Plastic |
| Sale per indivisible quantity | 1 |
| Connections - terminals | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN 60947-1 Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to EN 60947-1 |
| Light source | Protected LED |
| Bulb base | Integral LED |
| Light source colour | Green |

Complementary

| | |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width | 30 mm |
| CAD overall height | 42 mm |
| CAD overall depth | 32 mm |
| Terminals description ISO n°1 | (X1-X2)PL |
| Product weight | 0.022 kg |
| Tightening torque | 0.8...1.2 N.m conforming to EN 60947-1 |
| Shape of screw head | Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat $\varnothing 4 \text{ mm}$ screwdriver Slotted compatible with flat $\varnothing 5.5 \text{ mm}$ screwdriver |
| [Ui] rated insulation voltage | 600 V (pollution degree 3) conforming to EN 60947-1 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN 60947-1 |
| Signalling type | Steady |
| [Us] rated supply voltage | 110...120 V AC at 50/60 Hz |
| Current consumption | 14 mA |
| Service life | 100000 h at rated voltage and 25 °C |
| Surge withstand | 1 kV conforming to IEC 61000-4-5 |
| Device presentation | Basic sub-assemblies |

Environment

| | |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment | TH |
| Ambient air temperature for storage | -40...70 °C |
| Ambient air temperature for operation | -40...70 °C |
| Electrical shock protection class | Class II conforming to IEC 60536 |
| Standards | UL 508 EN/IEC 60947-5-4 JIS C8201-5-1 CSA C22.2 No 14 EN/IEC 60947-1 EN/IEC 60947-5-1 JIS C8201-1 |
| Product certifications | GL LROS (Lloyds register of shipping) BV UL listed DNV CSA |
| Vibration resistance | 5 gn (f= 2...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 61000-2-6 8 kV in free air (in insulating parts) conforming to IEC 61000-2-6 |
| Electromagnetic emission | Class B conforming to IEC 55011 |

Packing Units

| | |
|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.4 cm |
| Package 1 Width | 5.5 cm |
| Package 1 Length | 6.0 cm |
| Package 1 Weight | 20.0 g |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 50 |
| Package 2 Height | 15 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 1.312 kg |

Offer Sustainability

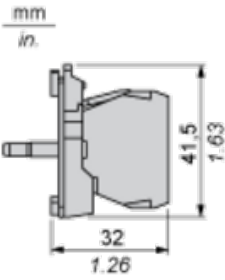
| | |
|--------------------------|---------------------------------------------------------------------------------------------------|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |

| | |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| China RoHS Regulation | China RoHS declaration |
| RoHS exemption information | Yes |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

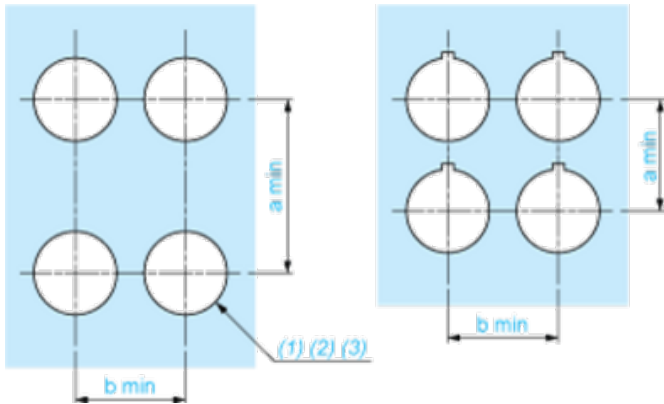
| | |
|-----------------|-----------|
| Warranty | 18 months |
|-----------------|-----------|

Dimensions



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

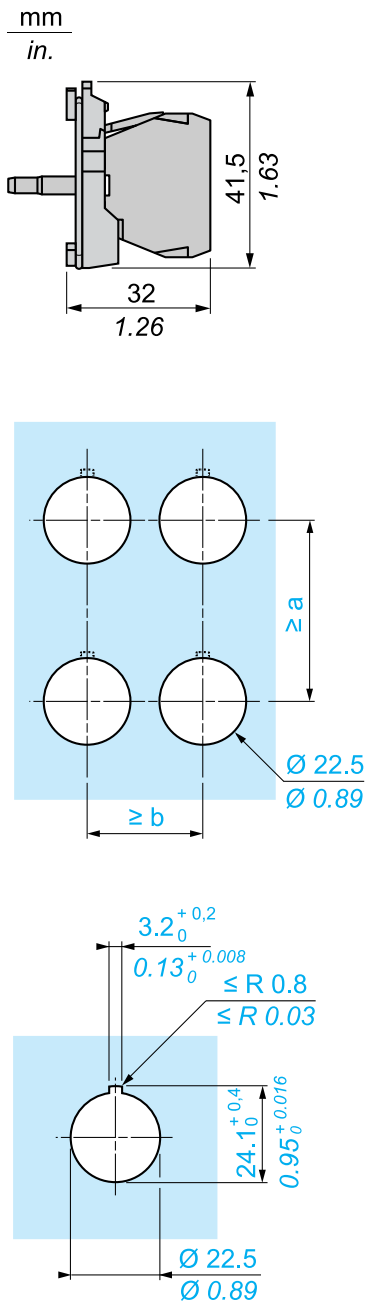
| Connections | a in mm | a in in. | b in mm | b in in. |
|-----------------------------------------------|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 40 | 1.57 | 30 | 1.18 |
| By Faston connectors | 45 | 1.77 | 32 | 1.26 |
| On printed circuit board | 30 | 1.18 | 30 | 1.18 |

Detail of Lug Recess



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

Dimensions



| | | a (mm) | a (in.) | b (mm) | b (in.) |
|--|-------------------|--------|---------|--------|---------|
| | ZBE●●●● ZBV●●●● | 40 | 1.57 | 30 | 1.18 |
| | ZBE●●●●4 ZBV●●●●4 | 40 | 1.57 | 30 | 1.18 |
| | ZBE●●●●3 ZBV●●●●3 | 45 | 1.77 | 32 | 1.26 |
| | ZBE70●●● ZBV●●●7 | 30 | 1.18 | 30 | 1.18 |
| | ZBE●●●●9 ZBV●●●●9 | 40 | 1.57 | 30 | 1.18 |
| | ZBE●●●●5 ZBV●●●●5 | 50 | 1.97 | 30 | 1.18 |
| | ZBRT● ZBRV1 | 40 | 1.57 | 30 | 1.18 |

Recommended replacement(s)

ZB5AVG3 is replaced by:



Complete body/light block assembly, Harmony XB5, plastic, universal LED, screw clamp terminals, 110...120V AC
 ZB5AVG1