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# Product data sheet
## Characteristics

# ZB5AVM4
## Light block with body/fixing collar, plastic, red, integral LED, 230…240 V AC



### 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, <= 2 x 1.5 mm² with cable end EN 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm² without cable end EN 60947-1 |
| Light source | Protected LED |
| Bulb base | Integral LED |
| Light source colour | Red |

### Complementary

| | |
|---|---|
| CAD overall width | 1.18 in (30 mm) |
| CAD overall height | 1.65 in (42 mm) |
| CAD overall depth | 1.26 in (32 mm) |
| Terminals description ISO n°1 | (X1-X2)PL |
| Net Weight | 0.05 lb(US) (0.022 kg) |
| Tightening torque | 7.08…10.62 lbf.in (0.8…1.2 N.m) EN 60947-1 |
| Shape of screw head | Cross Philips no 1<br>Cross pozidriv No 1<br>Slotted flat Ø 4 mm<br>Slotted flat Ø 5.5 mm |
| [Ui] rated insulation voltage | 600 V 3)EN 60947-1 |
| [Uimp] rated impulse withstand voltage | 6 kV EN 60947-1 |
| Signalling type | Steady |
| [Us] rated supply voltage | 230...240 V AC at 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 IEC 61000-4-5 |
| Device presentation | Basic sub-assemblies |

### Environment

| | |
|---|---|
| Protective treatment | TH |
| Ambient air temperature for storage | -40…158 °F (-40…70 °C) |
| Ambient air temperature for operation | -40…158 °F (-40…70 °C) |
| Electrical shock protection class | Class II IEC 60536 |
| Standards | UL 508<br>JIS C8201-5-1<br>EN/IEC 60947-1<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>JIS C8201-1 |

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| | |
|---|---|
| Product certifications | BV<br>GL<br>LROS (Lloyds register of shipping)<br>RINA<br>DNV<br>UL Listed<br>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<br>50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |
| Resistance to fast transients | 2 kV IEC 61000-4-4 |
| Resistance to electromagnetic fields | 9.14 V/m (10 V/m) IEC 61000-4-3 |
| Resistance to electrostatic discharge | 6 KV on contact (on metal parts) conforming to IEC 61000-2-6<br>8 kV in free air (in insulating parts) conforming to IEC 61000-2-6 |
| Electromagnetic emission | Class B conforming to IEC 55011 |

## Ordering and shipping details

| | |
|---|---|
| Category | 22469 - PUSHBUTTON,22MM ACCESSORIES-NEW |
| Discount Schedule | CS2 |
| GTIN | 00785901694663 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.02 lb(US) (0.01 kg) |
| Returnability | No |
| Country of origin | FR |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 1.34 in (3.4 cm) |
| Package 1 width | 2.09 in (5.3 cm) |
| Package 1 Length | 2.24 in (5.7 cm) |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 5 |
| Package 2 Weight | 2.46 lb(US) (1.115 kg) |
| Package 2 Height | 1.34 in (3.4 cm) |
| Package 2 width | 2.24 in (5.7 cm) |
| Package 2 Length | 10.43 in (26.5 cm) |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 200 |
| Package 3 Weight | 10.82 lb(US) (4.907 kg) |
| Package 3 Height | 11.81 in (30 cm) |
| Package 3 width | 11.81 in (30 cm) |
| Package 3 Length | 15.75 in (40 cm) |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Green Premium product |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| 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 |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |

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| | |
|---|---|
| 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 |

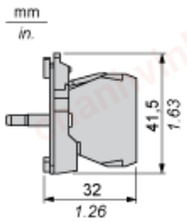
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# Product data sheet ZB5AVM4

## Dimensions Drawings

## Dimensions





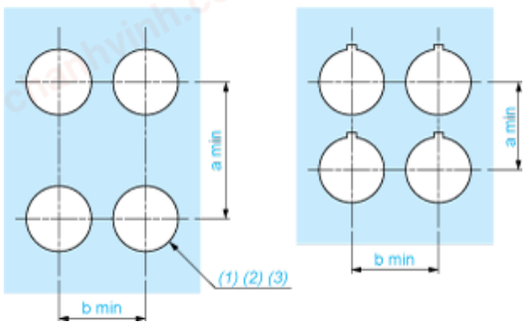
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# Product data sheet ZB5AVM4
## Mounting and Clearance

### Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

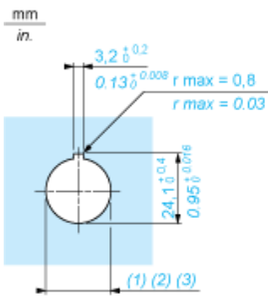
### Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board




(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) Ø22.5 mm recommended (Ø22.3 $_{0}^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 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) Ø22.5 mm recommended (Ø22.3 $_{0}^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 in. $_{0}^{+0.016}$)