



# THE DATASHEET OF ZB4BW33



# ZB5AVM1

Harmony XB5, Light block with body/fixing collar, plastic, white, 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, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end EN 60947-1<br>Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end EN 60947-1 |
| Light source                  | Protected LED  |
| Bulb base                     | Integral LED   |
| Light source colour           | White  |

## 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 $\varnothing 4 \text{ mm}$<br>Slotted flat $\varnothing 5.5 \text{ mm}$ |
| [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 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                             | JIS C8201-5-1<br>EN/IEC 60947-1<br>CSA C22.2 No 14<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-1<br>UL 508<br>JIS C8201-1 |

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|                                       |  |
|---------------------------------------|--|
| Product Certifications                | BV<br>DNV<br>LROS (Lloyds register of shipping)<br>CSA<br>GL<br>UL Listed  |
| Vibration resistance                  | 5 gn 2...500 Hz)IEC 60068-2-6  |
| Shock resistance                      | 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27<br>50 gn 11 ms) half sine wave acceleration 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) IEC 61000-2-6<br>8 kV in free air (in insulating parts) IEC 61000-2-6             |
| Electromagnetic emission              | Class B IEC 55011  |

## Ordering and shipping details

|                       |   |
|-----------------------|---|
| Category              | 22469 - PUSHBUTTON,22MM ACCESSORIES-NEW |
| Discount Schedule     | CS2                                     |
| GTIN                  | 3389110907957                           |
| Nbr. of units in pkg. | 1                                       |
| Package weight(Lbs)   | 0.80 oz (22.6 g)                        |
| Returnability         | No                                      |
| Country of origin     | FR                                      |

## Packing Units

|                              |                           |
|------------------------------|---------------------------|
| Unit Type of Package 1       | PCE                       |
| Package 1 Height             | 2.20 in (5.6 cm)          |
| Package 1 width              | 1.34 in (3.4 cm)          |
| Package 1 Length             | 2.13 in (5.4 cm)          |
| Unit Type of Package 2       | S03                       |
| Number of Units in Package 2 | 200                       |
| Package 2 Weight             | 10.32 lb(US) (4.68 kg)    |
| Package 2 Height             | 11.81 in (30 cm)          |
| Package 2 width              | 11.81 in (30 cm)          |
| Package 2 Length             | 15.75 in (40 cm)          |
| Unit Type of Package 3       | P06                       |
| Number of Units in Package 3 | 1600                      |
| Package 3 Weight             | 110.15 lb(US) (49.964 kg) |
| Package 3 Height             | 30.31 in (77 cm)          |
| Package 3 width              | 31.50 in (80 cm)          |
| Package 3 Length             | 23.62 in (60 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>  |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |

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Circularity Profile

 [End Of Life Information](#)

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WEEE

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

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### Contractual warranty

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Warranty

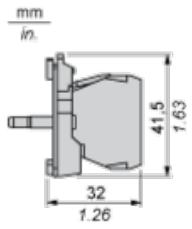
18 months

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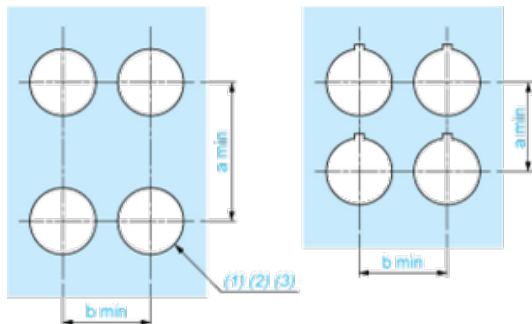
Dimensions

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

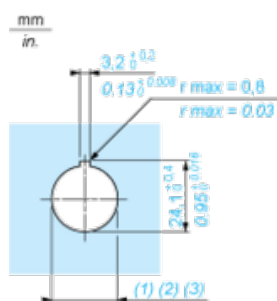
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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 ( $\varnothing 22.3_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88$  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)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88$  in.  $_0^{+0.016}$ )

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