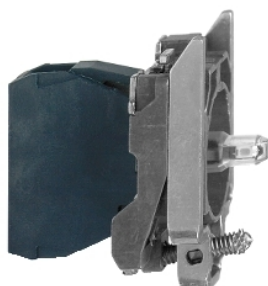


# ZB4BVB5

orange light block with body/fixing collar  
integral LED 24V



## Main

|                               |                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB4                                                                                                                              |
| Product or component type     | Complete body/light block assembly                                                                                                       |
| Device short name             | ZB4                                                                                                                                      |
| Fixing collar material        | Zamak                                                                                                                                    |
| Sale per indivisible quantity | 1                                                                                                                                        |
| Connections - terminals       | Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end<br>Screw clamp terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end |
| Light source                  | Protected LED                                                                                                                            |
| Bulb base                     | Integral LED                                                                                                                             |
| Light source colour           | Orange                                                                                                                                   |
| [Us] rated supply voltage     | 24 V AC/DC 50/60 Hz                                                                                                                      |

## Complementary

|                                        |                                                                                           |
|----------------------------------------|-------------------------------------------------------------------------------------------|
| CAD overall width                      | 1.18 in (30 mm)                                                                           |
| CAD overall height                     | 1.85 in (47 mm)                                                                           |
| CAD overall depth                      | 1.46 in (37 mm)                                                                           |
| Terminals description ISO n°1          | (X1-X2)PL                                                                                 |
| Net Weight                             | 0.12 lb(US) (0.054 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                                                                                    |
| Supply voltage limits                  | 19.2...30 V DC<br>21.6...26.4 V AC                                                        |
| Current consumption                    | 18 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 I IEC 60536                                                                                                                       |
| Standards                             | EN/IEC 60947-5-4<br>EN/IEC 60947-1<br>JIS C8201-5-1<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>EN/IEC 60947-5-5<br>UL 508<br>JIS C8201-1 |

|                                       |                                                                                                                    |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Product certifications                | DNV<br>CSA<br>LROS (Lloyds register of shipping)<br>RINA<br>UL Listed<br>GL<br>BV                                  |
| 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                  | 00785901380375                          |
| Nbr. of units in pkg. | 1                                       |
| Package weight(Lbs)   | 0.12 lb(US) (0.05 kg)                   |
| Returnability         | Yes                                     |
| Country of origin     | FR                                      |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Package 1 Height             | 1.34 in (3.4 cm)        |
| Package 1 width              | 2.13 in (5.4 cm)        |
| Package 1 Length             | 2.20 in (5.6 cm)        |
| Unit Type of Package 2       | BB1                     |
| Number of Units in Package 2 | 5                       |
| Package 2 Weight             | 9.52 oz (270 g)         |
| Package 2 Height             | 1.34 in (3.4 cm)        |
| Package 2 width              | 2.20 in (5.6 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             | 24.93 lb(US) (11.31 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                                                                                                        |
| 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>                                                                                |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                      |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

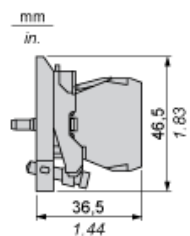
Contractual warranty

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

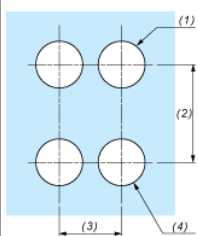
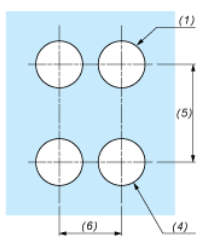
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Dimensions

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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                                                                                                                                                                                                                                                 | Connection by Faston Connectors                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                      |  |
| <p>(1) Diameter on finished panel or support</p> <p>(2) 40 mm min. / 1.57 in. min.</p> <p>(3) 30 mm min. / 1.18 in. min.</p> <p>(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm <sub>0</sub><sup>+0.4</sup> / 0.88 in. <sub>0</sub><sup>+0.016</sup>)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p> |                                                                                    |