# Product data sheet Characteristics

### ZB4BVM5

# orange light block with body/fixing collar integral LED 230...240V



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 Screw clamp terminals : >= 1 x 0.22 mm <sup>2</sup> without cable end
Signalling type	Steady
Light source	Protected LED
Bulb base	Integral LED
Light source colour	Orange
[Us] rated supply voltage	230240 V AC , 50/60 Hz

#### Complementary

Product weight	0.054 kg
Tightening torque	0.81.2 N.m conforming to EN 60947-1
Shape of screw head	Cross head compatible with pozidriv No 1 screwdriver Cross head compatible with Philips no 1 screwdriver Slotted head compatible with flat Ø 4 mm screwdriver Slotted head compatible with flat Ø 5.5 mm screwdriver
[Ui] rated insulation voltage	600 V (degree of pollution: 3) conforming to EN 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to EN 60947-1
Supply voltage limits	195264 V AC
Current consumption	14 mA
Service life	100000 h at rated voltage and 25 °C
Surge withstand	1 kV conforming to IEC 61000-4-5

#### Environment

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Protective treatment	TH
Ambient air temperature for storage	-4070 °C
Ambient air temperature for operation	-2570 °C
Class of protection against electric shock	Class I conforming to IEC 60536
Standards	CSA C22-2 No 14 EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-4 EN/IEC 60947-5-5 JIS C 4520 UL 508
Product certifications	BV CSA DNV (Det Norske Veritas) GL LROS (Lloyds register of shipping) RINA UL listed
Vibration resistance	5 gn (f = 2500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn for 18 ms half sine wave acceleration conforming to IEC 60068-2-27 50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27
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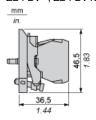
Resistance to fast transients	2 kV conforming to IEC 61000-4-4
Resistance to electromagnetic fields	10 V/m conforming to IEC 61000-4-3
Resistance to electrostatic discharge	6 kV on contact (on metal parts) conforming to IEC 61000-2-6 8 kV in free air (in insulating parts) conforming to IEC 61000-2-6
Electromagnetic emission	Class B conforming to IEC 55011
RoHS EUR conformity date	0727
RoHS EUR status	Compliant

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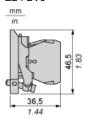
#### Dimensions of Bodies for Pilot Lights, Screw Clamp Terminal Connections

#### Integral LED

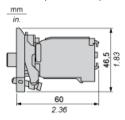
ZB4 BV••, ZB4 BV18••, ZB4 BV4••3



## Direct Supply, for BA9s Bulb ZB4 BV6



# Via Integral Transformer, for BA9s Bulb ZB4 BV•, ZB4 BV•D•, ZB4 BV18•, ZB4 BW0•03



## ZB4BVM5

#### 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 Connection by Faston Connectors Printed Circuit Board (6)

- Diameter on finished panel or support
- 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm  $_0$   $^{+0.4}$  / 0.88 in.  $_0$   $^{+0.016})$
- 45 mm min. / 1.78 in. min. 32 mm min. / 1.26 in. min. (5)