

### 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 : $\leq 2 \times 1.5 \text{ mm}^2$ with cable end Screw clamp terminals : $\geq 1 \times 0.22 \text{ mm}^2$ without cable end
Signalling type	Steady
Light source	Protected LED
Bulb base	Integral LED
Light source colour	Blue
[Us] rated supply voltage	24 V AC/DC , 50/60 Hz

### Complementary

Product weight	0.054 kg
Tightening torque	0.8...1.2 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	19.2...30 V DC 21.6...26.4 V AC
Current consumption	18 mA
Service life	100000 h at rated voltage and 25 °C
Surge withstand	1 kV conforming to IEC 61000-4-5

### Environment

Protective treatment	TH
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-25...70 °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 LRQS (Lloyds register of shipping) RINA UL listed
Vibration resistance	5 gn (f = 2...500 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
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

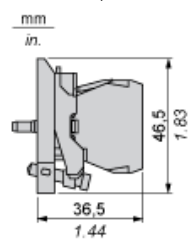
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Dimensions of Bodies for Pilot Lights, Screw Clamp Terminal Connections

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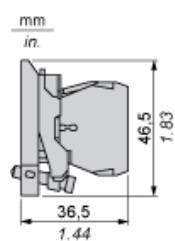
Integral LED

ZB4 BV••, ZB4 BV18••, ZB4 BV4••3



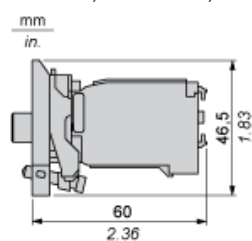
Direct Supply, for BA9s Bulb

ZB4 BV6

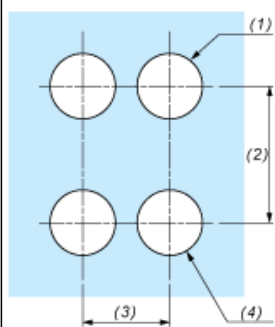
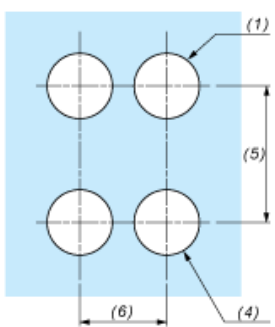


Via Integral Transformer, for BA9s Bulb

ZB4 BV•, ZB4 BV•D•, ZB4 BV18•, ZB4 BW0•03



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
	
<div> <div>(1)</div> <div>Diameter on finished panel or support</div> <div>(2)</div> <div>40 mm min. / 1.57 in. min.</div> <div>(3)</div> <div>30 mm min. / 1.18 in. min.</div> <div>(4)</div> <div>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>)</div> <div>(5)</div> <div>45 mm min. / 1.78 in. min.</div> <div>(6)</div> <div>32 mm min. / 1.26 in. min.</div> </div>	