

## ZB5AV4

light block with body/fixing collar with BA9s  
incandesc. bulb 220...240V



### Main

|                               |                                                                                                                                                                                                        |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Commercial Status             | Commercialised                                                                                                                                                                                         |
| 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: $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to EN 60947-1<br>Screw clamp terminals: $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN 60947-1 |
| Light source                  | Incandescent                                                                                                                                                                                           |
| Bulb base                     | BA 9s                                                                                                                                                                                                  |
| Light block supply            | Via integral transformer, 1.2 VA - 6 V                                                                                                                                                                 |

### Complementary

|                                        |                                                                                                                                                                                                                                                                       |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                      | 30 mm                                                                                                                                                                                                                                                                 |
| CAD overall height                     | 42 mm                                                                                                                                                                                                                                                                 |
| CAD overall depth                      | 55 mm                                                                                                                                                                                                                                                                 |
| Terminals description ISO n°1          | (X1-X2)PL                                                                                                                                                                                                                                                             |
| Product weight                         | 0.099 kg                                                                                                                                                                                                                                                              |
| Tightening torque                      | 0.8...1.2 N.m conforming to EN 60947-1                                                                                                                                                                                                                                |
| Shape of screw head                    | Slotted head compatible with flat $\varnothing 5.5 \text{ mm}$ screwdriver<br>Slotted head compatible with flat $\varnothing 4 \text{ mm}$ screwdriver<br>Cross head compatible with pozidriv No 1 screwdriver<br>Cross head compatible with Philips no 1 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                                                                                                                                                                                                                                         |
| Signalling type                        | Steady                                                                                                                                                                                                                                                                |
| [Us] rated supply voltage              | 230...240 V AC, 50/60 Hz                                                                                                                                                                                                                                              |

### Environment

|                                            |                                                                                                                       |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Protective treatment                       | TH                                                                                                                    |
| Ambient air temperature for storage        | -40...70 °C                                                                                                           |
| Ambient air temperature for operation      | -25...55 °C                                                                                                           |
| Class of protection against electric shock | Class II conforming to IEC 60536                                                                                      |
| Standards                                  | CSA C22-2 No 14<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-5<br>JIS C 4520<br>UL 508 |
| Product certifications                     | BV<br>CSA<br>DNV<br>GL<br>LROS (Lloyds register of shipping)<br>RINA<br>UL listed                                     |

|                      |                                                                                                                                                      |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vibration resistance | 5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6                                                                                                    |
| Shock resistance     | 50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27<br>30 gn for 18 ms half sine wave acceleration conforming to IEC 60068-2-27 |

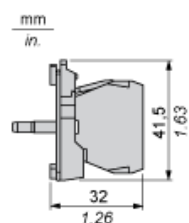
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Dimensions of Bodies for Pilot Lights, Screw Clamp Terminal Connections

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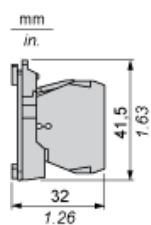
Integral LED

ZB5 AV••



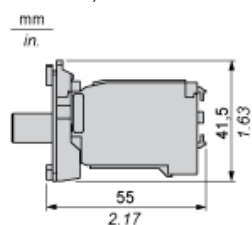
Direct Supply, for BA9s Bulb

ZB5 AV6



Via Integral Transformer, for BA9s Bulb

ZB5 AV•, ZB5 AV•D•



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

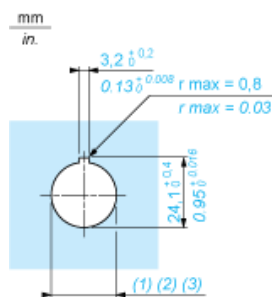
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5 AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

| 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 ZB5 AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )