

# Product data sheet

Specifications



Pilot light, Harmony XB5, orange incandescent, plastic, 22mm, plain lens, BA9s bulb, 220...240V

XB5AV45

## Main

|                                 |                                     |
|---------------------------------|-------------------------------------|
| Range of product                | Harmony XB5                         |
| Product or component type       | Pilot light                         |
| Device short name               | XB5                                 |
| Bezel material                  | Dark grey plastic                   |
| Fixing collar material          | Plastic                             |
| Head type                       | Standard                            |
| Mounting diameter               | 0.9 in (22.5 mm)                    |
| Sale per indivisible quantity   | 1                                   |
| Shape of signaling unit head    | Round                               |
| Cap/operator or lens colour     | Orange                              |
| Operator additional information | With plain lens                     |
| Light source                    | Incandescent                        |
| Bulb base                       | BA 9s                               |
| Light block supply              | Via integral transformer 1.2 VA 6 V |
| Light source colour             | Orange                              |
| [Us] rated supply voltage       | 230...240 V AC 50/60 Hz             |
| [Us] rated supply voltage       | 230...240 V AC 50/60 Hz             |

## Complementary

|                                        |                                                                                                                                                 |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------|
| Height                                 | 1.7 in (42 mm)                                                                                                                                  |
| Width                                  | 1.2 in (30 mm)                                                                                                                                  |
| Depth                                  | 2.2 in (55 mm)                                                                                                                                  |
| Terminals description ISO n°1          | (X1-X2)PL                                                                                                                                       |
| Product weight                         | 0.24 lb(US) (0.11 kg)                                                                                                                           |
| Resistance to high pressure washer     | 1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                                                                                                    |
| Connections - terminals                | Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1<br>Screw clamp terminals, 1 x 0.22...2 x 2.5 mm² without cable end IEC 60947-1 |
| [Ui] rated insulation voltage          | 600 V (3)IEC 60947-1                                                                                                                            |
| [Uimp] rated impulse withstand voltage | 6 kV IEC 60947-1                                                                                                                                |
| Signalling type                        | Steady                                                                                                                                          |
| Device presentation                    | Complete product                                                                                                                                |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

## Environment

|                                       |                                                                                                                    |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                 |
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C)                                                                                         |
| Ambient air temperature for operation | -40...131 °F (-40...55 °C)                                                                                         |
| Electrical shock protection class     | Class II conforming to IEC 60536                                                                                   |
| Overvoltage category                  | Class II conforming to IEC 60536                                                                                   |
| IP degree of protection               | IP66 IEC 60529<br>IP67 IEC 60529<br>IP69 IEC 60529<br>IP69K ISO 20653                                              |
| Enclosure Type                        | UL type 4X/13                                                                                                      |
| IK degree of protection               | IK05 conforming to IEC 50102                                                                                       |
| Standards                             | CSA C22.2 No 14<br>UL 508<br>IEC 60947-5-1<br>IEC 60947-1<br>IEC 60947-5-4<br>JIS C8201-5-1<br>JIS C8201-1         |
| Product certifications                | CSA<br>UL listed                                                                                                   |
| Vibration resistance                  | 5 gn (f= 12...500 Hz) conforming to 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 |

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Number of Units in Package 1 | 1                        |
| Package 1 Height             | 1.299 in (3.300 cm)      |
| Package 1 Width              | 2.087 in (5.300 cm)      |
| Package 1 Length             | 3.504 in (8.900 cm)      |
| Package 1 Weight             | 3.810 oz (108.000 g)     |
| Unit Type of Package 2       | S02                      |
| Number of Units in Package 2 | 50                       |
| Package 2 Height             | 5.906 in (15.000 cm)     |
| Package 2 Width              | 11.811 in (30.000 cm)    |
| Package 2 Length             | 15.748 in (40.000 cm)    |
| Package 2 Weight             | 12.688 lb(US) (5.755 kg) |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

|                                                        |                |
|--------------------------------------------------------|----------------|
| Total lifecycle Carbon footprint                       | 2 kg CO2 eq.   |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.8 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4]        | 0 kg CO2 eq.   |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.   |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 1 kg CO2 eq.   |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.2 kg CO2 eq. |

## Use Better



### Materials and Substances

|                                                |                                                                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------|
| Average percentage of recycled plastic content | 21 %                                                                                   |
| Average percentage of recycled metal content   | 7 %                                                                                    |
| Packaging made with recycled cardboard         | Yes                                                                                    |
| Packaging without single use plastic           | Yes                                                                                    |
| SCIP Number                                    | 3d14fd98-3859-4733-a5ee-a3016769973c                                                   |
| EU RoHS Directive                              | <a href="#">Compliant By Exemption</a>                                                 |
| REACH Regulation                               | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |

## Use Longer



### Lifetime extension

|                             |                   |
|-----------------------------|-------------------|
| Repair                      | No                |
| Product repairability index | <a href="#">A</a> |

## Use Again

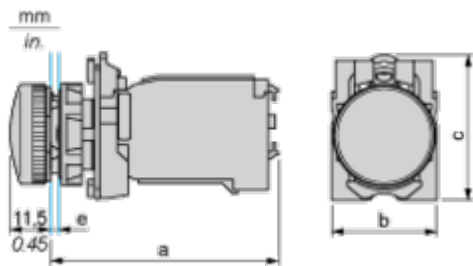


### Repack and remanufacture

|                               |                                                                                                                                                                                                                 |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in % | 22                                                                                                                                                                                                              |
| Circularity Profile           | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Take-back                     | No                                                                                                                                                                                                              |
| WEEE Label                    |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Dimensions Drawings

Dimensions



- e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.
- a: 43 mm / 1.69 in.
- b: 30 mm / 1.18 in.
- c: 41.5 mm / 1.63 in.

Mounting and Clearance

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) Ø22.5 mm recommended ( $\text{Ø}22.3 \begin{smallmatrix} +0.4 \\ 0 \end{smallmatrix}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88 \text{ in. } \begin{smallmatrix} +0.016 \\ 0 \end{smallmatrix}$ )

| 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) Ø22.5 mm recommended ( $\text{Ø}22.3 \begin{smallmatrix} +0.4 \\ 0 \end{smallmatrix}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88 \text{ in. } \begin{smallmatrix} +0.016 \\ 0 \end{smallmatrix}$ )

Technical Illustration

Dimensions

