

# Product data sheet

Specifications



Complete body/contact assembly and light block, Harmony XB5, XB4, with body/fixing collar, BA9s incandescent bulb, 110...120V, 1NO + 1NC

ZB5AW035

Product availability: Stock - Normally stocked in distribution facility

## Main

|                               |                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Range of Product              | Harmony XB5                                                                                                                              |
| Product or Component Type     | Complete body/contact assembly and light block                                                                                           |
| Device short name             | ZB5                                                                                                                                      |
| Fixing collar material        | Plastic                                                                                                                                  |
| Sale per indivisible quantity | 1                                                                                                                                        |
| Head type                     | Standard                                                                                                                                 |
| Contacts type and composition | 1 NO + 1 NC                                                                                                                              |
| Contact operation             | Slow-break                                                                                                                               |
| Connections - terminals       | Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm² without cable end IEC 60947-1 |
| Light source                  | Incandescent                                                                                                                             |
| Bulb base                     | BA 9s                                                                                                                                    |
| Light block supply            | Via integral transformer 1.2 VA 6 V                                                                                                      |

## Complementary

|                               |                                                                                                                                  |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width             | 1.2 in (30 mm)                                                                                                                   |
| CAD overall height            | 1.7 in (42 mm)                                                                                                                   |
| CAD overall depth             | 3.1 in (79 mm)                                                                                                                   |
| Terminals description ISO n°1 | (11-12)NC<br>(13-14)NO                                                                                                           |
| Net Weight                    | 0.262 lb(US) (0.119 kg)                                                                                                          |
| Contacts usage                | Standard                                                                                                                         |
| Positive opening              | With IEC 60947-5-1 appendix K                                                                                                    |
| Operating travel              | 0.06 in (1.5 mm) NC changing electrical state)<br>0.1 in (2.6 mm) NO changing electrical state)<br>0.2 in (4.3 mm) total travel) |
| Operating force               | 2 N NC changing electrical state<br>2.3 N NO changing electrical state                                                           |
| Operating torque              | 0.44 lbf.in (0.05 N.m) NO changing electrical state                                                                              |
| Mechanical durability         | 5000000 cycles                                                                                                                   |
| Tightening torque             | 7.08...10.6 lbf.in (0.8...1.2 N.m) IEC 60947-1                                                                                   |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

|                                             |                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                                                                                                                                                                                                                                                                                                  |
| Contacts material                           | Silver alloy (Ag/Ni)                                                                                                                                                                                                                                                                                                                                                                       |
| Short-circuit protection                    | 10 A cartridge fuse gG IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                       |
| [Ith] conventional free air thermal current | 10 A IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                         |
| [Ui] rated insulation voltage               | 600 V 3)IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                        |
| [Uimp] rated impulse withstand voltage      | 6 kV IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                           |
| [Ie] rated operational current              | 3 A 240 V, AC-15, A600 IEC 60947-5-1<br>6 A 120 V, AC-15, A600 IEC 60947-5-1<br>0.1 A 600 V, DC-13, Q600 IEC 60947-5-1<br>0.27 A 250 V, DC-13, Q600 IEC 60947-5-1<br>0.55 A 125 V, DC-13, Q600 IEC 60947-5-1<br>1.2 A 600 V, AC-15, A600 IEC 60947-5-1                                                                                                                                     |
| Electrical durability                       | 1000000 cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C |
| Electrical reliability                      | $\Lambda < 10\exp(-6)$ 5 V 1 mA in clean environment IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ 17 V 5 mA in clean environment IEC 60947-5-4                                                                                                                                                                                                                                                  |
| Signalling type                             | Steady                                                                                                                                                                                                                                                                                                                                                                                     |
| [Us] rated supply voltage                   | 110...120 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                    |
| 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 II conforming to IEC 60536                                                                                   |
| Standards                             | UL 508<br>IEC 60947-5-1<br>JIS C8201-5-1<br>IEC 60947-1<br>CSA C22.2 No 14<br>IEC 60947-5-4<br>JIS C8201-1         |
| Product Certifications                | CSA<br>DNV<br>BV<br>LROS (Lloyds register of shipping)<br>UL Listed                                                |
| Vibration resistance                  | 5 gn (f= 2...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 |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10CS222469  |
| Discount Schedule | 0CS2          |
| GTIN              | 3389110909593 |
| Returnability     | Yes           |

|                   |    |
|-------------------|----|
| Country of origin | FR |
|-------------------|----|

## Packing Units

|                              |                          |
|------------------------------|--------------------------|
| Unit Type of Package 1       | PCE                      |
| Nbr. of units in pkg.        | 1                        |
| Package 1 Height             | 1.34 in (3.400 cm)       |
| Package 1 Width              | 2.09 in (5.300 cm)       |
| Package 1 Length             | 3.50 in (8.900 cm)       |
| Package weight(Lbs)          | 3.951 oz (112.000 g)     |
| Unit Type of Package 2       | S02                      |
| Number of Units in Package 2 | 55                       |
| Package 2 Height             | 5.91 in (15.000 cm)      |
| Package 2 Width              | 11.81 in (30.000 cm)     |
| Package 2 Length             | 15.75 in (40.000 cm)     |
| Package 2 Weight             | 14.947 lb(US) (6.780 kg) |

## Contractual warranty

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

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                        |                                               |
|------------------------------------------------|-----------------------------------------------|
| Carbon footprint (kg CO2 eq, Total Life cycle) | 56                                            |
| Environmental Disclosure                       | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                                                         |
| Packaging without single use plastic   | Yes                                                                                                                                                                                                                                                                                         |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                  |
| REACH Regulation                       | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                           |
| California proposition 65              | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

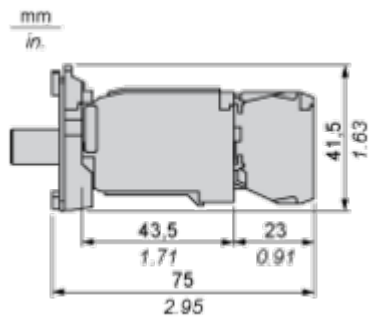
Use Again

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

Dimensions Drawings

Dimensions

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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 ( $\text{Ø}0.88 \text{ in.} \begin{smallmatrix} +0.016 \\ 0 \end{smallmatrix}$ )