

# Product data sheet

Specifications



Complete body/contact assembly and light block, Harmony XB4, with body/fixing collar, BA9s incandescent bulb, 220...240V, 1NO

ZB4BW041

Product availability: Non-Stock - Not normally stocked in distribution facility

## Main

|                               |                                                                                                                                          |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Range of Product              | Harmony XB4                                                                                                                              |
| Product or Component Type     | Complete body/contact assembly and light block                                                                                           |
| Device short name             | ZB4                                                                                                                                      |
| Fixing collar material        | Zamak                                                                                                                                    |
| Sale per indivisible quantity | 1                                                                                                                                        |
| Head type                     | Standard                                                                                                                                 |
| Contacts type and composition | 1 NO                                                                                                                                     |
| 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                                                                                                      |
| [Us] rated supply voltage     | 220...240 V AC 50/60 Hz                                                                                                                  |

## Complementary

|                               |                                                                                           |
|-------------------------------|-------------------------------------------------------------------------------------------|
| CAD overall width             | 1.2 in (30 mm)                                                                            |
| CAD overall height            | 1.9 in (47 mm)                                                                            |
| Terminals description ISO n°1 | (13-14)NO                                                                                 |
| Product Weight                | 0.311 lb(US) (0.141 kg)                                                                   |
| Contacts usage                | Standard                                                                                  |
| Positive opening              | Without                                                                                   |
| Operating travel              | 0.1 in (2.6 mm) NO changing electrical state)<br>0.2 in (4.3 mm) total travel)            |
| Operating force               | 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                                            |
| 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)                                                                      |

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

|                                             |                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Short-circuit protection                    | 10 A cartridge fuse gG IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                       |
| [Ith] conventional free air thermal current | 10 A IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                         |
| [Uij] 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                                                                                                                                                                                                                                                                                                                                                                                     |

## 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 I conforming to IEC 60536                                                                                             |
| Standards                             | UL 508<br>IEC 60947-5-4<br>IEC 60947-1<br>JIS C8201-5-1<br>CSA C22.2 No 14<br>IEC 60947-5-1<br>IEC 60947-5-5<br>JIS C8201-1 |
| Product Certifications                | DNV<br>UL Listed<br>LROS (Lloyds register of shipping)<br>BV<br>CSA                                                         |
| 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              | 3389110891843 |
| Returnability     | Yes           |
| Country of origin | FR            |

## Packing Units

|                        |                 |
|------------------------|-----------------|
| Unit Type of Package 1 | PCE             |
| Nbr. of units in pkg.  | 1               |
| Package 1 Height       | 3.3 in (8.4 cm) |

|                              |                          |
|------------------------------|--------------------------|
| Package 1 Width              | 2.1 in (5.4 cm)          |
| Package 1 Length             | 1.3 in (3.2 cm)          |
| Package weight(Lbs)          | 4.9 oz (138.0 g)         |
| Unit Type of Package 2       | BB1                      |
| Number of Units in Package 2 | 5                        |
| Package 2 Height             | 3.5 in (8.8 cm)          |
| Package 2 Width              | 10.4 in (26.5 cm)        |
| Package 2 Length             | 1.3 in (3.4 cm)          |
| Package 2 Weight             | 24.7 oz (700.0 g)        |
| Unit Type of Package 3       | S02                      |
| Number of Units in Package 3 | 50                       |
| Package 3 Height             | 5.9 in (15.0 cm)         |
| Package 3 Width              | 11.8 in (30.0 cm)        |
| Package 3 Length             | 15.7 in (40.0 cm)        |
| Package 3 Weight             | 16.129 lb(US) (7.316 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                       | 50 kg CO2 eq.  |
| Carbon footprint of the manufacturing phase [A1 to A3] | 1 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]     | 48 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 | 37 %                                                                                                                                                                                                                                                                                               |
| Average percentage of recycled metal content   | 21 %                                                                                                                                                                                                                                                                                               |
| Packaging made with recycled cardboard         | Yes                                                                                                                                                                                                                                                                                                |
| Packaging without single use plastic           | Yes                                                                                                                                                                                                                                                                                                |
| EU RoHS Directive                              | <a href="#">Compliant By Exemption</a>                                                                                                                                                                                                                                                             |
| REACH Regulation                               | <a href="#">Reference contains Substances of Very High Concern above the threshold</a>                                                                                                                                                                                                             |
| California proposition 65                      | <b>WARNING:</b> 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 Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



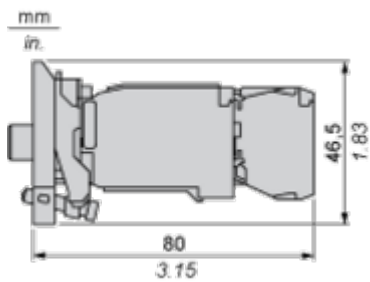
### Repack and remanufacture

|                     |                                                                                                                                                                                                                  |
|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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

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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                                                                                                                                                                                                                                               | Connection by Faston Connectors |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|                                                                                                                                                                                                                                                                                                                                     |                                 |
| <p>(1) Diameter on finished panel or support</p> <p>(2) 40 mm min. / 1.57 in. min.</p> <p>(3) 30 mm min. / 1.18 in. min.</p> <p>(4) 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>)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p> |                                 |

Technical Illustration

Dimensions

