

# Product data sheet

Specifications



Complete pilot light, Harmony XB4 -  
ATEX D, 22mm, IP65, green,  
integral LED, 24...120V, lugs

XB4BVBG3EX

## Main

|                                 |                       |
|---------------------------------|-----------------------|
| Range of product                | Harmony XB4           |
| Product or component type       | Complete pilot light  |
| Device short name               | XB4                   |
| Bezel material                  | Chromium plated metal |
| Fixing collar material          | Zamak                 |
| Head type                       | Standard              |
| Mounting diameter               | 22 mm                 |
| Sale per indivisible quantity   | 1                     |
| Dust zone                       | Zone 21 - 22          |
| Operator additional information | With plain lens       |

## Complementary

|                                        |                                                                                                                                                                                                     |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resistance to high pressure washer     | 7000000 Pa at 55 °C, distance : 0.1 m                                                                                                                                                               |
| Device mounting                        | Fixing hole - diameter: 22.5 mm 22.3 +0.4/0                                                                                                                                                         |
| Fixing center                          | >= 30 x 40 mm (support panel)                                                                                                                                                                       |
| Embedding depth                        | 43 mm                                                                                                                                                                                               |
| Marking                                | Ex tb IIIC                                                                                                                                                                                          |
| Shape of signaling unit head           | Round                                                                                                                                                                                               |
| Cap/operator or lens colour            | Green                                                                                                                                                                                               |
| Connections - terminals                | Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end conforming to IEC 60947-1<br>Screw clamp terminals, 1 x 0.22...2 x 2.5 mm <sup>2</sup> without cable end conforming to IEC 60947-1 |
| [Ui] rated insulation voltage          | 250 V (pollution degree 3) conforming to IEC 60947-1                                                                                                                                                |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IEC 60947-1                                                                                                                                                                      |
| Signalling type                        | Steady                                                                                                                                                                                              |
| Light source                           | Integral LED                                                                                                                                                                                        |
| Light source colour                    | Green                                                                                                                                                                                               |
| [Us] rated supply voltage              | 24...120 V AC/DC 50/60 Hz                                                                                                                                                                           |
| Supply voltage limits                  | 19.2...132 V DC<br>21.6...132 V AC                                                                                                                                                                  |
| Service life                           | 100000 h at rated voltage and 25 °C                                                                                                                                                                 |
| Surge withstand                        | 1 kV conforming to IEC 61000-4-5                                                                                                                                                                    |

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...70 °C                                                                                                                                                                    |
| Ambient air temperature for operation | -20...60 °C                                                                                                                                                                    |
| Overvoltage category                  | I conforming to IEC 60536                                                                                                                                                      |
| IP degree of protection               | IP65 conforming to IEC 60529                                                                                                                                                   |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                                                                                                                             |
| IK degree of protection               | IK05 conforming to IEC 50102                                                                                                                                                   |
| Standards                             | IEC 60079-0:2009<br>EN 60079-31:2009<br>IEC 61000-6-2<br>IEC 60079-0:2007<br>IEC 60079-31:2008                                                                                 |
| Directives                            | 94/9/EC - ATEX directive                                                                                                                                                       |
| Product certifications                | INERIS 04ATEX9004U                                                                                                                                                             |
| Vibration resistance                  | 5 gn (f= 12...500 Hz) conforming to IEC 60068-2-6                                                                                                                              |
| Shock resistance                      | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) for 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 61000-4-2<br>8 kV in free air (in insulating parts) conforming to IEC 61000-4-2                                             |
| Electromagnetic emission              | Class B conforming to IEC 55011                                                                                                                                                |

# Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 3.0 cm  |
| Package 1 Width              | 15.0 cm |
| Package 1 Length             | 20.0 cm |
| Package 1 Weight             | 90.0 g  |
| Unit Type of Package 2       | S02     |
| Number of Units in Package 2 | 20      |
| Package 2 Height             | 15.0 cm |
| Package 2 Width              | 30.0 cm |
| Package 2 Length             | 40.0 cm |
| Package 2 Weight             | 2.19 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] | 0.7 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]     | 49 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 | 36 %                                                                                                                                                                                                                                                                                               |
| Average percentage of recycled metal content   | 17 %                                                                                                                                                                                                                                                                                               |
| Packaging made with recycled cardboard         | No                                                                                                                                                                                                                                                                                                 |
| Packaging without single use plastic           | No                                                                                                                                                                                                                                                                                                 |
| 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>                                                                                                                                                                                                             |
| 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

|                      |   |
|----------------------|---|
| Product repair index | A |
|----------------------|---|

## Use Again

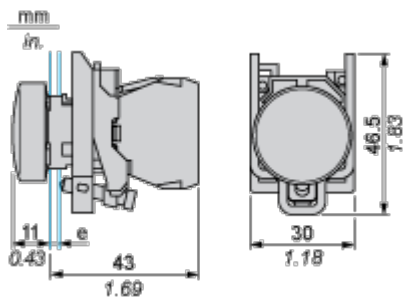


### Repack and remanufacture

|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability | <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

Pilot Light



e : support thickness: 1 to 6 mm / 0.04 to 0.24 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                                                                                                                                                                                                                                                                                                                                 | 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 <math>^{+0.4}_0</math> / 0.88 in. <math>^{+0.016}_0</math>)</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> |                                 |

Image of product in real life situation

