

# Product data sheet

Specifications



Head for key selector switch,  
Harmony XB4, black key, flush,  
30mm, 3 positions, center key  
withdrawal, key 455

ZB4FG7

**Product availability:** Stock - Normally stocked in distribution facility

## Main

|                               |                              |
|-------------------------------|------------------------------|
| Range of Product              | Harmony XB4                  |
| Product or Component Type     | Head for key selector switch |
| Device short name             | ZB4F                         |
| Bezel material                | Chromium plated metal        |
| Mounting diameter             | 1.2 in (30.5 mm)             |
| Head type                     | Built-in-flush               |
| Sale per indivisible quantity | 1                            |
| Shape of signaling unit head  | Round                        |
| Return                        | To centre                    |
| Operator profile              | Black key switch             |
| Type of operator              | Spring return                |
| Operator position information | 3 positions +/- 45°          |
| Type of Keylock               | Key 455                      |
| Key withdrawal position       | Center                       |

## Complementary

|                                    |                                                                                                                                                                                                                                                  |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                  | 1.4 in (36.6 mm)                                                                                                                                                                                                                                 |
| CAD overall height                 | 1.4 in (36.6 mm)                                                                                                                                                                                                                                 |
| CAD overall depth                  | 1.9 in (49 mm)                                                                                                                                                                                                                                   |
| Product Weight                     | 0.293 lb(US) (0.133 kg)                                                                                                                                                                                                                          |
| Resistance to high pressure washer | 1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                                                                                                                                                                                                     |
| Mechanical durability              | 1000000 cycles                                                                                                                                                                                                                                   |
| Electrical composition code        | C3 6 single front mounting<br>C4 6 single and double front mounting<br>C5 5 single front mounting<br>C6 5 single and double front mounting<br>C7 4 single front mounting<br>C8 4 single and double front mounting<br>C11 3 single front mounting |
| Device presentation                | Basic element                                                                                                                                                                                                                                    |

## Environment

|                      |    |
|----------------------|----|
| Protective treatment | TH |
|----------------------|----|

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

|                                       |                                                                                                                                                                           |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)                                                                                                                                                |
| Ambient Air Temperature for Operation | -40...158 °F (-40...70 °C)                                                                                                                                                |
| Overvoltage category                  | Class I conforming to IEC 60536                                                                                                                                           |
| IP degree of protection               | IP66 IEC 60529<br>IP67 IEC 60529<br>IP69 IEC 60529<br>IP69K ISO 20653<br>Type 13 UL 50 E<br>Type 12 UL 50 E<br>Type 4 UL 50 E<br>Type 4X UL 50 E                          |
| IK degree of protection               | IK06                                                                                                                                                                      |
| Standards                             | CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>UL 508<br>EN/IEC 60947-1<br>JIS C8201-5-1<br>CE<br>JIS C8201-1                                                 |
| Product Certifications                | UL Listed<br>CSA<br>CCC<br>EAC                                                                                                                                            |
| Vibration resistance                  | 5 gn (f= 10...500 Hz) conforming to IEC 60068-2-6<br>2 mm peak to peak (f= 2...10 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<br>25 gn 6 ms) 1000 shocks on each axis IEC 60068-2-27 |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10CS222468  |
| Discount Schedule | 0CS2          |
| GTIN              | 3606489581510 |
| Returnability     | Yes           |
| Country of origin | FR            |

## Packing Units

|                              |                           |
|------------------------------|---------------------------|
| Unit Type of Package 1       | PCE                       |
| Nbr. of units in pkg.        | 1                         |
| Package 1 Height             | 3.4 in (8.7 cm)           |
| Package 1 Width              | 1.7 in (4.3 cm)           |
| Package 1 Length             | 2.05 in (5.2 cm)          |
| Package weight(Lbs)          | 4.6 oz (129 g)            |
| Unit Type of Package 2       | S03                       |
| Number of Units in Package 2 | 80                        |
| Package 2 Height             | 11.8 in (30 cm)           |
| Package 2 Width              | 11.8 in (30 cm)           |
| Package 2 Length             | 15.7 in (40 cm)           |
| Package 2 Weight             | 24.220 lb(US) (10.986 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                       | 1 kg CO2 eq.                                  |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.9 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]     | 0 kg CO2 eq.                                  |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.1 kg CO2 eq.                                |
| 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                                                                                                                                                                                                                                                                                         |
| SCIP Number                            | F28cb399-1b6a-409d-ac7b-4169e47b25c8                                                                                                                                                                                                                                                        |
| 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              | 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 Longer



### Lifetime extension

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

## Use Again

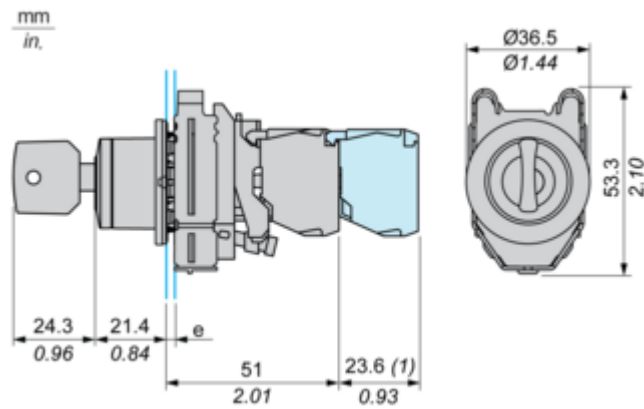


### Repack and remanufacture

|                     |                                         |
|---------------------|-----------------------------------------|
| Circularity Profile | <a href="#">End of Life Information</a> |
| Take-back           | No                                      |

Dimensions Drawings

Dimensions

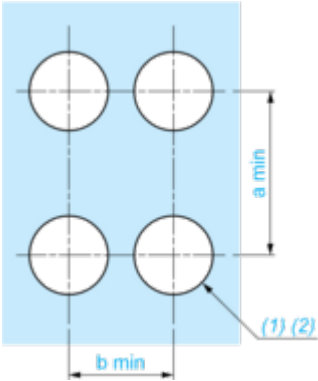


e : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.  
(1) : Additional row of contacts

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



- (1) : Diameter on finished panel or support
- (2) : Ø30.75 mm recommended ( $\text{Ø}30.5 \begin{smallmatrix} +0.5 \\ 0 \end{smallmatrix}$ ) / Ø1.21 in. recommended ( $\text{Ø}1.20 \text{ in.} \begin{smallmatrix} +0.0196 \\ 0 \end{smallmatrix}$ )

| Connections                                 | a in mm | a in in. | b in mm | b in in. |
|---------------------------------------------|---------|----------|---------|----------|
| By connectors                               | 50      | 1.97     | 40      | 1.57     |
| By connectors and with legend holder ZBZF32 | 50      | 1.97     | 40      | 1.57     |
| By connectors and with legend holder ZBZF33 | 60      | 2.36     | 40      | 1.57     |

Technical Description

Electrical Composition Corresponding to Code C3

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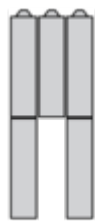
Electrical Composition Corresponding to Code C4

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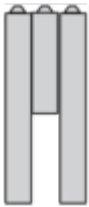
Electrical Composition Corresponding to Code C5

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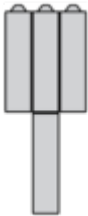
Electrical Composition Corresponding to Code C6

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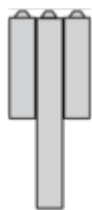
Electrical Composition Corresponding to Code C7

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Electrical Composition Corresponding to Code C8

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Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1



Legend

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Single contact



Double contact



Light block



Possible location



Sequence of Contacts Fitted to 3-position Selector Switch Body

Position 315°



|      |          |        |        |        |        |
|------|----------|--------|--------|--------|--------|
| Push | Position | Top    |        |        |        |
|      |          | Bottom |        |        |        |
|      | Location |        | Left   | Centre | Right  |
|      | State    |        | 1      | 1      | 0      |
|      | Contacts |        | N/O    | N/C    |        |
|      |          |        | closed | closed | open   |
|      |          |        | open   | open   | closed |

Position 0°



|      |          |        |        |        |        |
|------|----------|--------|--------|--------|--------|
| Push | Position | Top    |        |        |        |
|      |          | Bottom |        |        |        |
|      | Location |        | Left   | Centre | Right  |
|      | State    |        | 0      | 0      | 0      |
|      | Contacts |        | N/O    | N/C    |        |
|      |          |        | open   | open   | open   |
|      |          |        | closed | closed | closed |

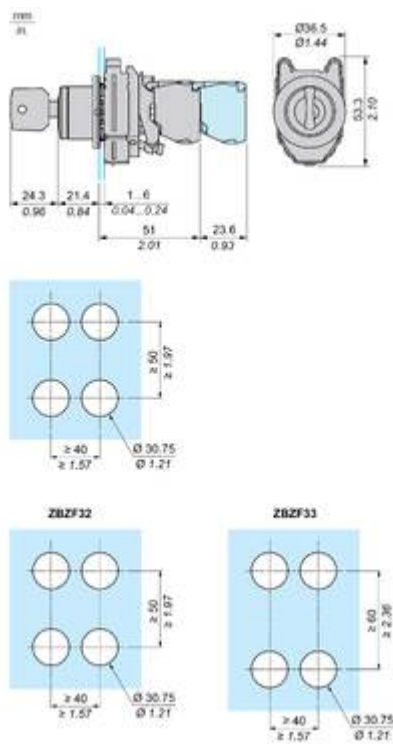
Position 45°



|          |          |        |                                                                                   |                                                                                   |        |
|----------|----------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------|
| Push     | Position | Top    |  |                                                                                   |        |
|          |          | Bottom |  |  |        |
|          | Location |        | Left                                                                              | Centre                                                                            | Right  |
|          | State    |        | 0                                                                                 | 1                                                                                 | 1      |
|          |          |        |                                                                                   |                                                                                   |        |
| Contacts | N/O      |        | open                                                                              | closed                                                                            | closed |
|          | N/C      |        | closed                                                                            | open                                                                              | open   |

Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

## Features

Harmony XB4/XB5  
Flush mounting solution



Innovative and attractive design improving the look and feel of control panels and machines



Robustness to withstand harsh environments



Quick and easy installation into a standard 30mm hole



Available for pushbuttons, illuminated pushbuttons, pilot lights and selector switches

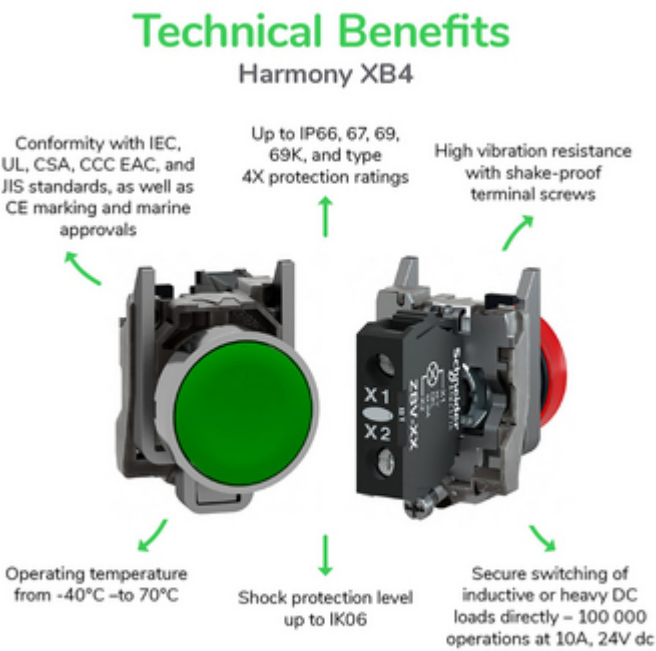


Easier to clean with towels than standard offers



Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

### Features

Harmony XB4



Quick and easy assembly and disassembly



Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board



Excellent mechanical connection with operator head



Large set of accessories to customize your panels



Robustness to withstand harsh environments



Image of product / Alternate images

Alternative

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