

# Product datasheet

Specifications



Harmony XB5, Flush mounted selector switch head, plastic, white, Ø30, 3 positions, spring return to center, grey bezel

ZB5FD501C0

EAN Code: 3606489771805

## Main

|                               |                            |
|-------------------------------|----------------------------|
| Range of product              | Harmony XB5                |
| Product or component type     | Head for selector switch   |
| Device short name             | ZB5                        |
| Bezel material                | Plastic colour plated grey |
| Mounting diameter             | 30.5 mm                    |
| Head type                     | Built-in-flush             |
| Sale per indivisible quantity | 1                          |
| Shape of signaling unit head  | Round                      |
| Type of operator              | To centre spring return    |
| Operator profile              | White standard handle      |
| Operator position information | 3 positions +/- 45°        |

## Complementary

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width           | 37 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CAD overall height          | 37 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| CAD overall depth           | 46 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Product weight              | 0.031 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Mechanical durability       | 1000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Electrical composition code | C3 for <6 contacts using single blocks in front mounting<br>C4 for <6 contacts using single and double blocks in front mounting<br>C5 for <5 contacts using single blocks in front mounting<br>C6 for <5 contacts using single and double blocks in front mounting<br>C7 for <4 contacts using single blocks in front mounting<br>C8 for <4 contacts using single and double blocks in front mounting<br>C11 for <3 contacts using single blocks in front mounting<br>SF1 for <3 contacts using single blocks in front mounting |
| Device presentation         | Basic element                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |

## Environment

|                                       |                                                              |
|---------------------------------------|--------------------------------------------------------------|
| Protective treatment                  | TH                                                           |
| Ambient air temperature for storage   | -40...70 °C                                                  |
| Ambient air temperature for operation | -40...70 °C                                                  |
| Overvoltage category                  | Class II conforming to IEC 60536                             |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529 |

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

|                                    |                                                                                                                                                                                |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enclosure Type                     | UL type 4X/13                                                                                                                                                                  |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m                                                                                                                                          |
| IK degree of protection            | IK03 conforming to IEC 50102                                                                                                                                                   |
| Standards                          | UL 508<br>IEC 60947-5-1<br>IEC 60947-1<br>JIS C8201-5-1<br>IEC 60947-5-4<br>CSA C22.2 No 14<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 (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 |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 5.45 cm |
| Package 1 Width              | 4.3 cm  |
| Package 1 Length             | 5.2 cm  |
| Package 1 Weight             | 22.0 g  |

## 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

Environmental Disclosure

[Product Environmental Profile](#)

## Use Better



### Materials and Substances

Packaging made with recycled cardboard

No

Packaging without single use plastic

No

EU RoHS Directive

[Compliant](#)

REACH Regulation

[Free of Substances of Very High Concern above the threshold](#)

## Use Longer



### Lifetime extension

Repair

No

## Use Again



### Repack and remanufacture

End of life manual availability

[End of Life Information](#)

Take-back

No

Dimensions Drawings

Dimensions



e: Clamping 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



- (1) Diameter on finished panel or support
- (2)  $\varnothing 30.75\text{ mm}$  recommended ( $\varnothing 30.5\text{ mm}^{+0.5}_0$ ) /  $\varnothing 1.21\text{ in.}$  recommended ( $\varnothing 1.20\text{ in.}^{+0.0196}_0$ )

| Connections                                   | a in mm | a in in. | b in mm | b in in. |
|-----------------------------------------------|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 40      | 1.57     | 40      | 1.57     |
| By Faston connectors                          | 45      | 1.77     | 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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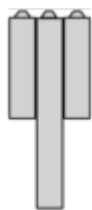
Electrical Composition Corresponding to Code C7

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Electrical Composition Corresponding to Code C8

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



Electrical Composition Corresponding to Code C15

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1 N/O



1 N/C



1 N/O + N/C or 1 N/O + N/O or 1 N/C + N/C



Legend

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Single contact



Double contact



Light block



Possible location



Sequence of Contacts Fitted to 2-position Selector Switch Body

Position 315°



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

Position 45°



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