

# Product data sheet

Specifications



Head for non illuminated push button, Harmony XB5, flush mounted black flush caps pushbutton push

ZB5FH02

## Main

|                               |                                      |
|-------------------------------|--------------------------------------|
| Range of product              | Harmony XB5                          |
| Product or component type     | Head for non-illuminated push-button |
| Device short name             | ZB5F                                 |
| Product compatibility         | ZBYF...<br>ZBZF32<br>ZBZF33<br>ZB5AZ |
| Bezel material                | Dark grey plastic                    |
| Mounting diameter             | 1.2 in (30.5 mm)                     |
| Head type                     | Built-in-flush                       |
| Sale per indivisible quantity | 1                                    |
| Shape of signaling unit head  | Round                                |
| Type of operator              | push-push                            |
| Operator profile              | Black flush, unmarked                |

## Complementary

|                             |                                                                                                                         |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------|
| CAD overall width           | 1.5 in (37 mm)                                                                                                          |
| CAD overall height          | 1.5 in (37 mm)                                                                                                          |
| CAD overall depth           | 1.2 in (30 mm)                                                                                                          |
| Product weight              | 0.07 lb(US) (0.03 kg)                                                                                                   |
| Mechanical durability       | 500000 cycles                                                                                                           |
| Electrical composition code | C11 3 single front mounting<br>C15 1 single front mounting<br>SF1 3 single front mounting<br>C9 3 single front mounting |

## 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)       |
| Overvoltage category                  | Class II conforming to IEC 60536 |

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

|                                    |                                                                                                                                                                           |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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                          |
| Resistance to high pressure washer | 1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                                                                                                                              |
| IK degree of protection            | IK03 conforming to IEC 50102                                                                                                                                              |
| Standards                          | UL 508<br>EN/IEC 60947-5-4<br>EN/IEC 60947-1<br>JIS C8201-5-1<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>JIS C8201-1                                                       |
| Product certifications             | UL listed<br>CSA                                                                                                                                                          |
| 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 |
| 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                                                         |

## Packing Units

|                              |                  |
|------------------------------|------------------|
| Unit Type of Package 1       | PCE              |
| Number of Units in Package 1 | 1                |
| Package 1 Height             | 1.7 in (4.3 cm)  |
| Package 1 Width              | 2.09 in (5.3 cm) |
| Package 1 Length             | 2.2 in (5.5 cm)  |
| Package 1 Weight             | 0.9 oz (25.0 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

|                                                        |                |
|--------------------------------------------------------|----------------|
| Total lifecycle Carbon footprint                       | 0.2 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.2 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 kg CO2 eq.   |

## Use Better



### Materials and Substances

|                                                |                                                                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------|
| Average percentage of recycled plastic content | 6 %                                                                                    |
| Average percentage of recycled metal content   | 29 %                                                                                   |
| 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> |

## Use Longer



### Lifetime extension

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

## Use Again



### Repack and remanufacture

|                               |                                         |
|-------------------------------|-----------------------------------------|
| Recyclability potential, in % | 29                                      |
| Circularity Profile           | <a href="#">End of Life Information</a> |
| Take-back                     | No                                      |

Dimensions Drawings

Dimensions

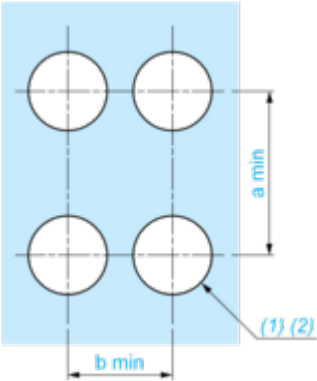


e: Clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

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 C1

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Electrical Composition Corresponding to Code C2

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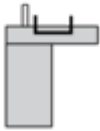
Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1



Electrical Composition Corresponding to Code C15

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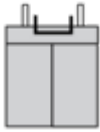
1 N/O



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



Technical Illustration

Dimensions

