



## Main

|                               |                                                                                 |
|-------------------------------|---------------------------------------------------------------------------------|
| Range of product              | Harmony XB5                                                                     |
| Product or component type     | Push-button                                                                     |
| Device short name             | XB5F                                                                            |
| Product compatibility         | ZBYF2101<br>ZBYF4101<br>ZBYF6101<br>ZBYF6102<br>ZBZF32<br>ZBZF33<br>ZB4FBZ007   |
| Bezel material                | Plastic<br>Dark grey plastic                                                    |
| Head type                     | Built-in-flush                                                                  |
| Fixing collar material        | Plastic                                                                         |
| Mounting diameter             | 1.20 in (30.5 mm)                                                               |
| Sale per indivisible quantity | 1                                                                               |
| Shape of signaling unit head  | Round                                                                           |
| Type of operator              | Spring return                                                                   |
| Operator profile              | White flush, unmarked                                                           |
| Contacts type and composition | 1 NO                                                                            |
| Contact operation             | Slow-break                                                                      |
| Connections - terminals       | Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end EN/IEC 60947-1 |

## Complementary

|                                             |                                                                            |
|---------------------------------------------|----------------------------------------------------------------------------|
| Maximum Height                              | 1.65 in (42 mm)                                                            |
| Maximum Width                               | 1.44 in (36.6 mm)                                                          |
| Maximum Depth                               | 2.17 in (55 mm)                                                            |
| Terminals description ISO n°1               | (21-22)NC                                                                  |
| Resistance to high pressure washer          | 1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                              |
| Contacts usage                              | Standard contacts                                                          |
| Positive opening                            | Without                                                                    |
| Operating travel                            | 0.10 in (2.6 mm) NC changing electrical state)                             |
| Operating force                             | 3.5 N NC changing electrical state                                         |
| Mechanical durability                       | 10000000 cycles                                                            |
| Tightening torque                           | 7.08...10.62 lbf.in (0.8...1.2 N.m) EN 60947-1                             |
| Shape of screw head                         | Cross Philips no 1                                                         |
| Contacts material                           | Silver alloy (Ag/Ni)                                                       |
| Short-circuit protection                    | 10 A cartridge fuse gG EN/IEC 60947-5-1                                    |
| [Ith] conventional free air thermal current | 10 A EN/IEC 60947-5-1                                                      |
| [Ui] rated insulation voltage               | 600 V 3)EN/IEC 60947-1                                                     |
| [Uimp] rated impulse withstand voltage      | 6 kV EN/IEC 60947-1                                                        |
| [Ie] rated operational current              | 3 A 240 V, AC-15, A600 EN/IEC 60947-5-1                                    |
| Electrical durability                       | 1000000 cycles AC-15, 2 A 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C |
| Electrical reliability                      | $\Lambda < 10\exp(-6)$ 5 V 1 mA in clean environment EN/IEC 60947-5-4      |
| Device presentation                         | Complete product                                                           |

|                    |             |
|--------------------|-------------|
| Customizable       | Yes         |
| GCR BRIDGE         | XB5FACUST01 |
| Compatibility code | XB5         |

## 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 IEC 60536                                                                                                                                                        |
| IP degree of protection               | IP66 IEC 60529<br>IP67<br>IP69<br>IP69K<br>Type 13 UL 50 E<br>Type 12 UL 50 E<br>Type 4 UL 50 E<br>Type 4X UL 50 E                                                        |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                                                                                                                        |
| IK degree of protection               | IK03 IEC 50102                                                                                                                                                            |
| Standards                             | EN/IEC 60947-1<br>UL 508<br>JIS C8201-5-1<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>JIS C8201-1                                                       |
| Product certifications                | UL Listed<br>CSA                                                                                                                                                          |
| Vibration resistance                  | 5 gn 2...500 Hz)IEC 60068-2-6<br>2 mm peak to peak 2...10 Hz)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

|                       |                |
|-----------------------|----------------|
| Nbr. of units in pkg. | 1              |
| Package weight(Lbs)   | 1.52 oz (43 g) |

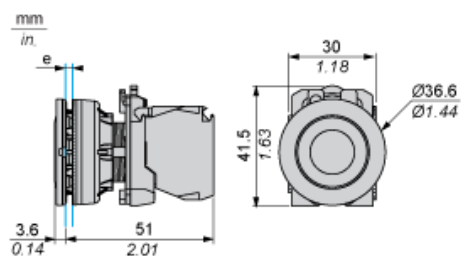
## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 16.93 in (43 cm) |
| Package 1 width        | 20.87 in (53 cm) |
| Package 1 Length       | 33.86 in (86 cm) |

## Offer Sustainability

|                            |                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                        |
| REACH free of SVHC         | Yes                                                                                                                          |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                               |
| Toxic heavy metal free     | Yes                                                                                                                          |
| Mercury free               | Yes                                                                                                                          |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                          |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                       |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                      |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

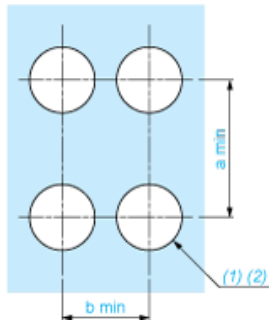
## Dimensions



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

### 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 (Ø30.5<sub>0</sub><sup>+0.5</sup>) / Ø1.21 in. recommended (Ø1.20 in.<sub>0</sub><sup>+0.0196</sup>)

| 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     |

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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

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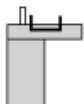


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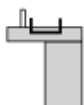
Electrical Composition Corresponding to Code C15

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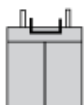
1 N/O



1 N/C



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



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Legend

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Single contact



Double contact



Light block



Possible location

