

# XB4BD53

Harmony, 22mm Push Button, 3 position selector switch, black, spring return, 2 NO, 600 V



## Main

|                               |                                                                                                                                                                        |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB4                                                                                                                                                            |
| Product or component type     | Selector switch                                                                                                                                                        |
| Device short name             | XB4                                                                                                                                                                    |
| Bezel material                | Chromium plated metal                                                                                                                                                  |
| Fixing collar material        | Zamak                                                                                                                                                                  |
| Mounting diameter             | 0.87 in (22 mm)                                                                                                                                                        |
| Sale per indivisible quantity | 1                                                                                                                                                                      |
| Head type                     | Standard                                                                                                                                                               |
| Shape of signaling unit head  | Round                                                                                                                                                                  |
| Type of operator              | To centre spring return                                                                                                                                                |
| Operator profile              | Black standard handle                                                                                                                                                  |
| Operator position information | 3 positions +/- 45°                                                                                                                                                    |
| Contacts type and composition | 2 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<br>Screw clamp terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end EN/IEC 60947-1 |

## Complementary

|                                             |                                                                                           |
|---------------------------------------------|-------------------------------------------------------------------------------------------|
| Maximum Height                              | 1.85 in (47 mm)                                                                           |
| Maximum Width                               | 1.18 in (30 mm)                                                                           |
| Maximum Depth                               | 2.68 in (68 mm)                                                                           |
| Terminals description ISO n°1               | (13-14)NO<br>(23-24)NO                                                                    |
| Net Weight                                  | 0.23 lb(US) (0.105 kg)                                                                    |
| Resistance to high pressure washer          | 1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                                             |
| Contacts usage                              | Standard contacts                                                                         |
| Positive opening                            | Without                                                                                   |
| Torque value                                | 1.24 lbf.in (0.14 N.m) NO changing electrical state                                       |
| Mechanical durability                       | 1000000 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<br>Cross pozidriv No 1<br>Slotted flat Ø 4 mm<br>Slotted flat Ø 5.5 mm |
| 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 60947-1                                                                        |
| [Uimp] rated impulse withstand voltage      | 6 kV EN 60947-1                                                                           |

|                                |                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ie] rated operational current | 3 A 240 V, AC-15, A600 EN/IEC 60947-5-1<br>6 A 120 V, AC-15, A600 EN/IEC 60947-5-1<br>0.1 A 600 V, DC-13, Q600 EN/IEC 60947-5-1<br>0.27 A 250 V, DC-13, Q600 EN/IEC 60947-5-1<br>0.55 A 125 V, DC-13, Q600 EN/IEC 60947-5-1<br>1.2 A 600 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 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 EN 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 EN 60947-5-1 appendix C<br>1000000 Cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 EN 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 EN 60947-5-1 appendix C |
| Electrical reliability         | $\Lambda < 10\exp(-6)$ 5 V 1 mA in clean environment EN/IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ 17 V 5 mA in clean environment EN/IEC 60947-5-4                                                                                                                                                                                                                                       |
| Device presentation            | Complete product                                                                                                                                                                                                                                                                                                                                                                      |

## 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 I IEC 60536                                                                                                                       |
| IP degree of protection               | IP69<br>IP69K<br>IP67 IEC 60529                                                                                                         |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                                                                                      |
| Standards                             | EN/IEC 60947-5-5<br>UL 508<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>JIS C8201-5-1<br>EN/IEC 60947-1<br>EN/IEC 60947-5-4<br>JIS C8201-1 |
| Product certifications                | UL<br>LROS (Lloyds register of shipping)<br>BV<br>CSA<br>DNV<br>RINA<br>GL                                                              |
| Vibration resistance                  | 5 gn 2...500 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                      |

## Ordering and shipping details

|                       |                                     |
|-----------------------|-------------------------------------|
| Category              | 22468 - PUSHBUTTONS,22MM(METAL) NEW |
| Discount Schedule     | CS2                                 |
| GTIN                  | 00785901380627                      |
| Nbr. of units in pkg. | 1                                   |
| Package weight(Lbs)   | 0.2 lb(US) (0.09 kg)                |
| Returnability         | Yes                                 |
| Country of origin     | FR                                  |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Height | 0.880 dm |
| Package 1 width  | 0.340 dm |
| Package 1 Length | 0.540 dm |

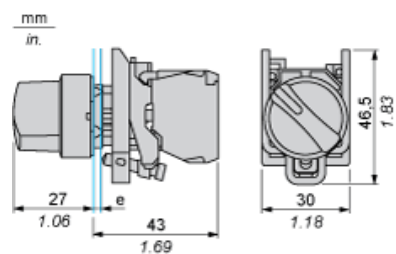
## Offer Sustainability

|                            |                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 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. |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## 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 or on Printed Circuit Board                                                                                                                                                                                                                                                 | Connection by Faston Connectors |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|                                                                                                                                                                                                                                                                                                                                       |                                 |
| <p>(1) Diameter on finished panel or support</p> <p>(2) 40 mm min. / 1.57 in. min.</p> <p>(3) 30 mm min. / 1.18 in. min.</p> <p>(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm <sub>0</sub><sup>+0.4</sup> / 0.88 in. <sub>0</sub><sup>+0.016</sup>)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p> |                                 |