

# XB4FK134B5

Illuminated selector switch, Harmony XB4, metal, red handle, 30mm, universal LED, 3 positions, 1NO + 1NC, 24V AC DC



## Main

|                               |                                                                                                                                                                  |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of Product              | Harmony XB4                                                                                                                                                      |
| Product or Component Type     | Illuminated selector switch                                                                                                                                      |
| Device short name             | XB4F                                                                                                                                                             |
| Bezel material                | Chromium plated metal                                                                                                                                            |
| Fixing collar material        | Zamak                                                                                                                                                            |
| Head type                     | Built-in-flush                                                                                                                                                   |
| Mounting diameter             | 1.20 in (30.5 mm)                                                                                                                                                |
| Sale per indivisible quantity | 1                                                                                                                                                                |
| Shape of signaling unit head  | Round                                                                                                                                                            |
| Type of operator              | Stay put                                                                                                                                                         |
| Operator profile              | Red standard handle                                                                                                                                              |
| Operator position information | 3 positions +/- 45°                                                                                                                                              |
| Contacts type and composition | 1 NO + 1 NC                                                                                                                                                      |
| Contact operation             | Slow-break                                                                                                                                                       |
| Connections - terminals       | Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end IEC 60947-1 |
| Light source                  | Universal LED                                                                                                                                                    |
| Bulb base                     | Integral LED                                                                                                                                                     |
| [Us] rated supply voltage     | 24 V AC/DC 50/60 Hz                                                                                                                                              |

## Complementary

|                                    |                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------|
| Height                             | 2.09 in (53 mm)                                                                           |
| Width                              | 1.44 in (36.6 mm)                                                                         |
| Depth                              | 2.74 in (69.5 mm)                                                                         |
| Terminals description ISO n°1      | (13-14)NO<br>(21-22)NC                                                                    |
| Net Weight                         | 0.33 lb(US) (0.151 kg)                                                                    |
| Resistance to high pressure washer | 1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                                             |
| Device mounting                    | Built-in 1.21 in (30.75 mm) +/- 0.25 mm                                                   |
| Fixing mode                        | By screws 7.08 lbf.in (0.8 N.m) 0.8...1.2 Nm                                              |
| Contacts usage                     | Standard contacts                                                                         |
| Positive opening                   | With NC contact IEC 60947-5-1 appendix K                                                  |
| Operating torque                   | 1.24 lbf.in (0.14 N.m) NO changing electrical state                                       |
| Mechanical durability              | 500000 cycles                                                                             |
| Tightening torque                  | 7.08...10.62 lbf.in (0.8...1.2 N.m) IEC 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 IEC 60947-5-1                                                      |

|                                             |                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ith] conventional free air thermal current | 10 A IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                    |
| [Ui] rated insulation voltage               | 600 V 3)IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                   |
| [Uimp] rated impulse withstand voltage      | 6 kV IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                      |
| [Ie] rated operational current              | 3 A 240 V, AC-15, A600 IEC 60947-5-1<br>6 A 120 V, AC-15, A600 IEC 60947-5-1<br>0.1 A 600 V, DC-13, Q600 IEC 60947-5-1<br>0.27 A 250 V, DC-13, Q600 IEC 60947-5-1<br>0.55 A 125 V, DC-13, Q600 IEC 60947-5-1<br>1.2 A 600 V, AC-15, A600 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 IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ 17 V 5 mA in clean environment IEC 60947-5-4                                                                                                                                                                                                                                             |
| Signalling type                             | Steady                                                                                                                                                                                                                                                                                                                                                                                |
| Supply voltage limits                       | 19.2...30 V DC<br>21.6...26.4 V AC                                                                                                                                                                                                                                                                                                                                                    |
| Current Consumption                         | 18 mA                                                                                                                                                                                                                                                                                                                                                                                 |
| Service life                                | 100000 h at rated voltage and 25 °C                                                                                                                                                                                                                                                                                                                                                   |
| Surge withstand                             | 1 kV IEC 61000-4-5                                                                                                                                                                                                                                                                                                                                                                    |
| 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)                                                                                                                                                |
| Electrical shock protection class     | Class I 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               | IK04 IEC 50102                                                                                                                                                            |
| Standards                             | CSA C22.2 No 14<br>IEC 60947-5-1<br>IEC 60947-5-4<br>UL 508<br>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 10...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 |
| Resistance to fast transients         | 2 kV IEC 61000-4-4                                                                                                                                                        |
| Resistance to electromagnetic fields  | 9.14 V/m (10 V/m) IEC 61000-4-3                                                                                                                                           |
| Resistance to electrostatic discharge | 6 kV on contact (on metal parts) IEC 61000-4-2<br>8 kV in free air (in insulating parts) IEC 61000-4-2                                                                    |
| Electromagnetic emission              | Class B IEC 55011                                                                                                                                                         |

## Ordering and shipping details

|                   |                                   |
|-------------------|-----------------------------------|
| Category          | 22468-PUSHBUTTONS,22MM(METAL) NEW |
| Discount Schedule | CS2                               |
| GTIN              | 3606489580407                     |
| Returnability     | No                                |

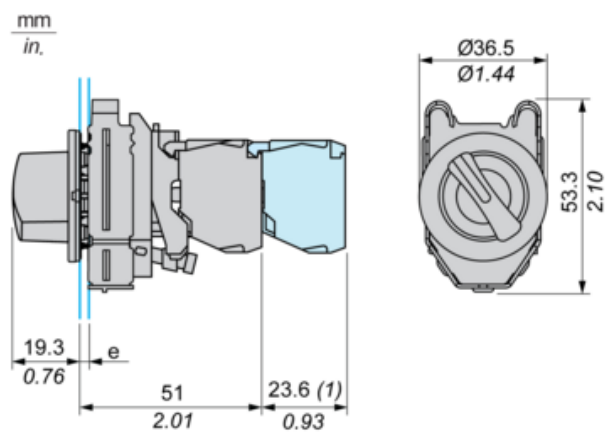
## Packing Units

|                              |                   |
|------------------------------|-------------------|
| Unit Type of Package 1       | PCE               |
| Number of Units in Package 1 | 1                 |
| Package 1 Height             | 1.69 in (4.3 cm)  |
| Package 1 Width              | 2.05 in (5.2 cm)  |
| Package 1 Length             | 3.39 in (8.6 cm)  |
| Package 1 Weight             | 5.33 oz (151.0 g) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                       |
| 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> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                           |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                              |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                                                                                                                                                                                      |
| RoHS exemption information | <a href="#">Yes</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

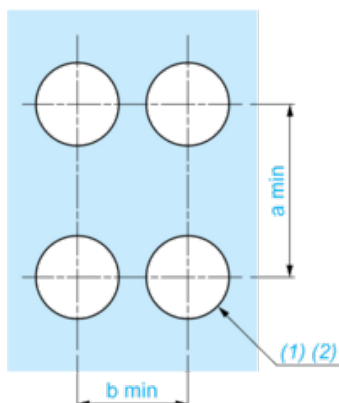


e : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

(1) : Additional row of contacts

## 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 ( $\text{Ø}30.5 \text{ }_0^{+0.5}$ ) / Ø1.21 in. recommended ( $\text{Ø}1.20 \text{ in. }_0^{+0.0196}$ )

| 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     |