



### Main

|                               |                                                                                                                                                                |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB4                                                                                                                                                    |
| Product or component type     | Emergency switching off push-button<br>Emergency stop push-button                                                                                              |
| 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                                                                                                                                                              |
| Shape of signaling unit head  | Round                                                                                                                                                          |
| Type of operator              | Trigger action and mechanical latching                                                                                                                         |
| Head type                     | Standard                                                                                                                                                       |
| Reset                         | Turn to release                                                                                                                                                |
| Operator profile              | Red mushroom Ø 40 mm, unmarked                                                                                                                                 |
| Contacts type and composition | 1 NC                                                                                                                                                           |
| Contact operation             | Slow-break                                                                                                                                                     |
| Connections - terminals       | Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end EN 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end EN 60947-1 |

### Complementary

|                                                          |                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Maximum Height                                           | 1.85 in (47 mm)                                                                                                                                                                                                                                                          |
| Maximum Width                                            | 1.57 in (40 mm)                                                                                                                                                                                                                                                          |
| Maximum Depth                                            | 3.23 in (82 mm)                                                                                                                                                                                                                                                          |
| Terminals description ISO n°1                            | (21-22)NC                                                                                                                                                                                                                                                                |
| Net Weight                                               | 0.26 lb(US) (0.118 kg)                                                                                                                                                                                                                                                   |
| Resistance to high pressure washer                       | 1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                                                                                                                                                                                                                            |
| Contacts usage                                           | Standard contacts                                                                                                                                                                                                                                                        |
| Positive opening                                         | With EN/IEC 60947-5-1 appendix K                                                                                                                                                                                                                                         |
| Operating travel                                         | 0.06 in (1.5 mm) NC changing electrical state)<br>0.17 in (4.3 mm) total travel)                                                                                                                                                                                         |
| Mechanical durability                                    | 300000 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                                                                                                                                                                                                                                  |
| [I <sub>th</sub> ] conventional free air thermal current | 10 A EN/IEC 60947-5-1                                                                                                                                                                                                                                                    |
| [U <sub>i</sub> ] rated insulation voltage               | 600 V 3)EN 60947-1                                                                                                                                                                                                                                                       |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 kV EN 60947-1                                                                                                                                                                                                                                                          |
| [I <sub>e</sub> ] 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/IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A 24 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<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)                                                                                                                                                                  |
| Electrical shock protection class     | Class I IEC 60536                                                                                                                                                                           |
| IP degree of protection               | IP66 IEC 60529<br>IP67<br>IP69<br>IP69K                                                                                                                                                     |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                                                                                                                                          |
| IK degree of protection               | IK06 IEC 50102                                                                                                                                                                              |
| Standards                             | EN/IEC 60947-5-1<br>UL 508<br>CSA C22.2 No 14<br>EN/ISO 13850<br>EN/IEC 60947-5-5<br>JIS C8201-5-1<br>EN/IEC 60947-1<br>EN/IEC 60947-5-4<br>EN/IEC 60204-1<br>IEC 60364-5-53<br>JIS C8201-1 |
| Product certifications                | CSA<br>BV<br>UL Listed<br>RINA<br>LROS (Lloyds register of shipping)<br>GL<br>DNV                                                                                                           |
| 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                  | 00785901979623                      |
| Nbr. of units in pkg. | 1                                   |
| Package weight(Lbs)   | 0.27 lb(US) (0.12 kg)               |
| Returnability         | Yes                                 |
| Country of origin     | CZ                                  |

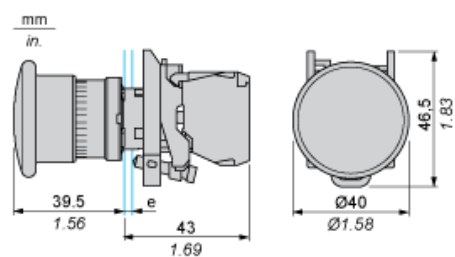
## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 1.73 in (4.4 cm) |
| Package 1 width        | 2.13 in (5.4 cm) |
| Package 1 Length       | 3.58 in (9.1 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 or on Printed Circuit Board                                                                                                                                                                                                                            | Connection by Faston Connectors |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|                                                                                                                                                                                                                                                                                                                  |                                 |
| <p>(1) Diameter on finished panel or support<br/>(2) 40 mm min. / 1.57 in. min.<br/>(3) 30 mm min. / 1.18 in. min.<br/>(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm <math>_{0}^{+0.4}</math> / 0.88 in. <math>_{0}^{+0.016}</math>)<br/>(5) 45 mm min. / 1.78 in. min.<br/>(6) 32 mm min. / 1.26 in. min.</p> |                                 |