



## Main

|                               |                                                                                                                                                                                                        |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB4                                                                                                                                                                                            |
| Product or component type     | Complete 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 NO + 1 NC                                                                                                                                                                                            |
| Contact operation             | Slow-break                                                                                                                                                                                             |
| Connections - terminals       | Screw clamp terminals: $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN 60947-1<br>Screw clamp terminals: $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to EN 60947-1 |

## Complementary

|                                             |                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Height                                      | 1.85 in (47 mm)                                                                                                                                                                                                                                                                                                                                                                |
| Width                                       | 1.57 in (40 mm)                                                                                                                                                                                                                                                                                                                                                                |
| Depth                                       | 3.23 in (82 mm)                                                                                                                                                                                                                                                                                                                                                                |
| Terminals description ISO n°1               | (13-14)NO                                                                                                                                                                                                                                                                                                                                                                      |
| Product weight                              | 0.29 lb(US) (0.13 kg)                                                                                                                                                                                                                                                                                                                                                          |
| Resistance to high pressure washer          | 1015.26 psi (7000000 Pa) at 131 °F (55 °C), distance: 0.1 m                                                                                                                                                                                                                                                                                                                    |
| Contacts usage                              | Standard contacts                                                                                                                                                                                                                                                                                                                                                              |
| Positive opening                            | With positive opening conforming to EN/IEC 60947-5-1 appendix K                                                                                                                                                                                                                                                                                                                |
| Operating travel                            | 0.06 in (1.5 mm) (NC changing electrical state)<br>0.1 in (2.6 mm) (NO changing electrical state)<br>0.17 in (4.3 mm) (total travel)                                                                                                                                                                                                                                           |
| Operating force                             | 44 N                                                                                                                                                                                                                                                                                                                                                                           |
| Mechanical durability                       | 300000 cycles                                                                                                                                                                                                                                                                                                                                                                  |
| Tightening torque                           | 7.08...10.62 lbf.in (0.8...1.2 N.m) conforming to EN 60947-1                                                                                                                                                                                                                                                                                                                   |
| Shape of screw head                         | Cross head compatible with Philips no 1 screwdriver<br>Cross head compatible with pozidriv No 1 screwdriver<br>Slotted head compatible with flat Ø 4 mm screwdriver<br>Slotted head compatible with flat Ø 5.5 mm screwdriver                                                                                                                                                  |
| Contacts material                           | Silver alloy (Ag/Ni)                                                                                                                                                                                                                                                                                                                                                           |
| Short-circuit protection                    | 10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                                     |
| [Ith] conventional free air thermal current | 10 A conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                            |
| [Ui] rated insulation voltage               | 600 V (degree of pollution: 3) conforming to EN 60947-1                                                                                                                                                                                                                                                                                                                        |
| [Uimp] rated impulse withstand voltage      | 6 kV conforming to EN 60947-1                                                                                                                                                                                                                                                                                                                                                  |
| [Ie] rated operational current              | 3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1<br>6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>1.2 A at 600 V, AC-15, A600 conforming to EN/IEC 60947-5-1 |
| Electrical durability                       | 1000000 cycles, AC-15, 2 A at 230 V, operating rate: $\leq 3600 \text{ cyc/h}$ , load factor: 0.5                                                                                                                                                                                                                                                                              |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        | conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 3 A at 120 V, operating rate: ≤ 3600 cyc/h, load factor: 0.5<br>conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 4 A at 24 V, operating rate: ≤ 3600 cyc/h, load factor: 0.5<br>conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.2 A at 110 V, operating rate: ≤ 3600 cyc/h, load factor: 0.5<br>conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A at 24 V, operating rate: ≤ 3600 cyc/h, load factor: 0.5<br>conforming to EN/IEC 60947-5-1 appendix C |
| Electrical reliability | $\Lambda < 10\exp(-8)$ 17 V 5 mA in clean environment EN/IEC 60947-5-4<br>$\Lambda < 10\exp(-6)$ 5 V 1 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 conforming to IEC 60536                                                                                                                                           |
| IP degree of protection               | IP67<br>IP66 conforming to IEC 60529<br>IP69K<br>IP69                                                                                                                     |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                                                                                                                        |
| IK degree of protection               | IK06 conforming to IEC 50102                                                                                                                                              |
| standards                             | EN/IEC 60204-1<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-5<br>EN/ISO 13850<br>IEC 60364-5-53<br>JIS C 4520<br>UL 508<br>CSA C22.2 No 14 |
| product certifications                | BV<br>CSA<br>DNV<br>GL<br>LROS (Lloyds register of shipping)<br>RINA<br>UL listed                                                                                         |
| vibration resistance                  | 5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6                                                                                                                         |
| shock resistance                      | 30 gn (duration = 18 ms) half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27    |

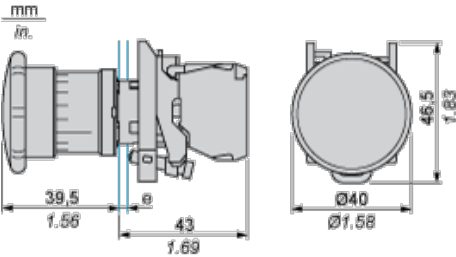
## Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Green Premium product                                                                                                      | Green Premium product                                                                                                      |
| Compliant - since 0627 - Schneider Electric declaration of conformity                                                      | Compliant - since 0627 - Schneider Electric declaration of conformity                                                      |
| Reference not containing SVHC above the threshold                                                                          | Reference not containing SVHC above the threshold                                                                          |
| Available                                                                                                                  | Available                                                                                                                  |
| Need no specific recycling operations                                                                                      | Need no specific recycling operations                                                                                      |
| WARNING: This product can expose you to chemicals including:                                                               | WARNING: This product can expose you to chemicals including:                                                               |
| Nickel compounds, which is known to the State of California to cause cancer, and                                           | Nickel compounds, which is known to the State of California to cause cancer, and                                           |
| Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 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>Diagram showing dimensions for screw clamp terminals:</p> <ul style="list-style-type: none"> <li>(1) Diameter on finished panel or support</li> <li>(2) Vertical spacing between hole centers</li> <li>(3) Horizontal spacing between hole centers</li> <li>(4) Hole diameter</li> </ul>                                           | <p>Diagram showing dimensions for faston connectors:</p> <ul style="list-style-type: none"> <li>(1) Diameter on finished panel or support</li> <li>(5) Vertical spacing between hole centers</li> <li>(6) Horizontal spacing between hole centers</li> <li>(4) Hole diameter</li> </ul> |
| <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 <sup>+0.4</sup><sub>0</sub> / 0.88 in. <sup>+0.016</sup><sub>0</sub>)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p> |                                                                                                                                                                                                                                                                                         |