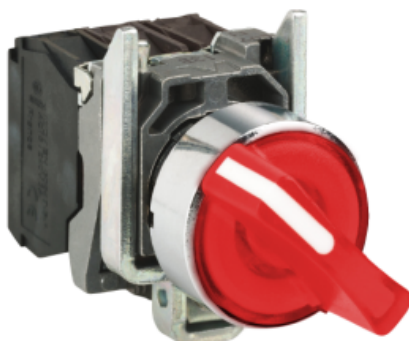


# XB4BK124B5

Illuminated selector switch, metal, red, Ø22, 2 positions, stay put, 24 V AC/DC, 1 NO + 1 NC



## Main

|                               |                                                                                                                                                                                                                |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB4                                                                                                                                                                                                    |
| Product or component type     | Illuminated selector switch                                                                                                                                                                                    |
| Device short name             | XB4                                                                                                                                                                                                            |
| Bezel material                | Chromium plated metal                                                                                                                                                                                          |
| Fixing collar material        | Zamak                                                                                                                                                                                                          |
| Head type                     | Standard                                                                                                                                                                                                       |
| Mounting diameter             | 22 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 | 2 positions 90°                                                                                                                                                                                                |
| 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/IEC 60947-1<br>Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to EN/IEC 60947-1 |
| Light source                  | Protected LED                                                                                                                                                                                                  |
| Bulb base                     | Integral LED                                                                                                                                                                                                   |
| [Us] rated supply voltage     | 24 V AC/DC at 50/60 Hz                                                                                                                                                                                         |

## Complementary

|                               |                        |
|-------------------------------|------------------------|
| Height                        | 47 mm                  |
| Width                         | 30 mm                  |
| Depth                         | 68 mm                  |
| Terminals description ISO n°1 | (13-14)NO<br>(21-22)NC |
| Net weight                    | 0.111 kg               |

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resistance to high pressure washer          | 7000000 Pa at 55 °C, distance : 0.1 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Contacts usage                              | Standard contacts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Positive opening                            | With conforming to EN/IEC 60947-5-1 appendix K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Operating torque                            | 0.14 N.m NO changing electrical state                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Mechanical durability                       | 1000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Tightening torque                           | 0.8...1.2 N.m conforming to EN 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Shape of screw head                         | Cross compatible with Philips no 1 screwdriver<br>Cross compatible with pozidriv No 1 screwdriver<br>Slotted compatible with flat Ø 4 mm screwdriver<br>Slotted 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 (pollution degree 3) conforming to EN 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| [Uimp] rated impulse withstand voltage      | 6 kV 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 <3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 appendix C<br>1000000 cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 appendix C<br>1000000 cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN 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 conforming to EN 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 conforming to EN 60947-5-1 appendix C |
| Electrical reliability                      | $\Lambda < 10\exp(-6)$ at 5 V and 1 mA in clean environment conforming to EN/IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ at 17 V and 5 mA in clean environment conforming to EN/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 conforming to IEC 61000-4-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Device presentation                         | Complete product                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Environment

|                                       |                                                                                                                                         |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                                      |
| Ambient air temperature for storage   | -40...70 °C                                                                                                                             |
| Ambient air temperature for operation | -40...70 °C                                                                                                                             |
| Electrical shock protection class     | Class I conforming to IEC 60536                                                                                                         |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67<br>IP69<br>IP69K                                                                                   |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                                                                                      |
| IK degree of protection               | IK06 conforming to IEC 50102                                                                                                            |
| Standards                             | EN/IEC 60947-5-1<br>JIS C8201-5-1<br>EN/IEC 60947-5-4<br>CSA C22.2 No 14<br>UL 508<br>EN/IEC 60947-5-5<br>EN/IEC 60947-1<br>JIS C8201-1 |

|                                       |                                                                                                                                                                                |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product certifications                | LROS (Lloyds register of shipping)<br>UL<br>CSA<br>GL<br>RINA<br>DNV<br>BV                                                                                                     |
| Vibration resistance                  | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6                                                                                                                               |
| Shock resistance                      | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |
| Resistance to fast transients         | 2 kV conforming to IEC 61000-4-4                                                                                                                                               |
| Resistance to electromagnetic fields  | 10 V/m conforming to IEC 61000-4-3                                                                                                                                             |
| Resistance to electrostatic discharge | 6 kV on contact (on metal parts) conforming to IEC 61000-4-2<br>8 kV in free air (in insulating parts) conforming to IEC 61000-4-2                                             |
| Electromagnetic emission              | Class B conforming to IEC 55011                                                                                                                                                |

### Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.109 kg |
| Package 1 Height | 0.880 dm |
| Package 1 width  | 0.340 dm |
| Package 1 Length | 0.540 dm |

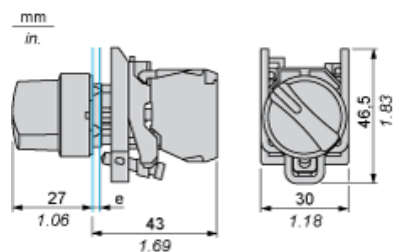
### Offer Sustainability

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

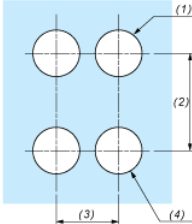
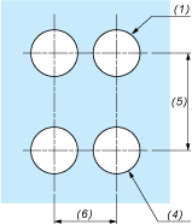
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## 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                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
|                                                                                                                                                                                                                                                                    |  |
| <div>(1) Diameter on finished panel or support</div> <div>(2) 40 mm min. / 1.57 in. min.</div> <div>(3) 30 mm min. / 1.18 in. min.</div> <div>(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm <math>^{+0.4}_0</math> / 0.88 in. <math>^{+0.016}_0</math>)</div> <div>(5) 45 mm min. / 1.78 in. min.</div> <div>(6) 32 mm min. / 1.26 in. min.</div> |                                                                                    |