

## XB4BK123B5

green complete illuminated selector switch Ø22 2-position stay put 1NO+1NC 24V



### Main

|                               |  |
|-------------------------------|--|
| Range of product              | Harmony XB4  |
| Product or component type     | Complete illuminated selector switch   |
| Device short name             | XB4  |
| Bezel material                | Chromium plated metal  |
| Fixing collar material        | Zamak  |
| Mounting diameter             | 22 mm  |
| Sale per indivisible quantity | 1  |
| Shape of signaling unit head  | Round  |
| Type of operator              | Stay put   |
| Operator profile              | Green standard handle  |
| Operator position information | 2 positions 90°  |
| Contacts type and composition | 1 NO + 1 NC  |
| Contacts 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     |  |

### Complementary

|   |  |
|---|--|
| Height                                      | 47 mm  |
| Width                                       | 30 mm  |
| Depth                                       | 68 mm  |
| Terminals description ISO n°1               | (13-14)NO<br>(21-22)NC   |
| Product 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 positive opening 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 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: 3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 appendix C  |

The information provided in this documentation contains general descriptions and/or technical characteristics 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.

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  
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  
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  
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 IEC 60947-5-4 | $\Lambda < 10\exp(-6)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ at 17 V, 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  |

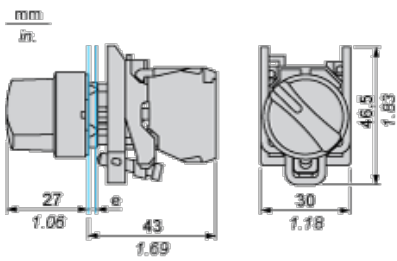
## Environment

|  |  |
|--|--|
| protective treatment                       | TH   |
| ambient air temperature for storage        | -40...70 °C  |
| ambient air temperature for operation      | -40...70 °C  |
| class of protection against electric shock | 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 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-5<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   |
| 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  |

## 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>(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) <math>\varnothing</math> 22.5 mm / 0.89 in. recommended (<math>\varnothing</math> 22.3 mm <math>^{+0.4}_0</math> / 0.88 in. <math>^{+0.016}_0</math>)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p> |                                 |