**Product data sheet**

**Characteristics**

**XB4BD21**
black selector switch Ø22 2-position stay put 1NO 600V

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**Main**

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range of product</td>
<td>Harmony XB4</td>
</tr>
<tr>
<td>Product or component type</td>
<td>Selector switch</td>
</tr>
<tr>
<td>Device short name</td>
<td>XB4</td>
</tr>
<tr>
<td>Bezel material</td>
<td>Chromium plated metal</td>
</tr>
<tr>
<td>Fixing collar material</td>
<td>Zamak</td>
</tr>
<tr>
<td>Mounting diameter</td>
<td>22 mm</td>
</tr>
<tr>
<td>Sale per indivisible quantity</td>
<td>1</td>
</tr>
<tr>
<td>Head type</td>
<td>Standard</td>
</tr>
<tr>
<td>Shape of signaling unit head</td>
<td>Round</td>
</tr>
<tr>
<td>Type of operator</td>
<td>stay put</td>
</tr>
<tr>
<td>Operator profile</td>
<td>Black standard handle</td>
</tr>
<tr>
<td>Operator position information</td>
<td>2 positions 90°</td>
</tr>
<tr>
<td>Contacts type and composition</td>
<td>1 NO</td>
</tr>
<tr>
<td>Contact operation</td>
<td>Slow-break</td>
</tr>
<tr>
<td>Connections - terminals</td>
<td>Screw clamp terminals, &lt;= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, &gt;= 1 x 0.22 mm² without cable end conforming to EN/IEC 60947-1</td>
</tr>
</tbody>
</table>

**Complementary**

<table>
<thead>
<tr>
<th>Description</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>47 mm</td>
</tr>
<tr>
<td>Width</td>
<td>30 mm</td>
</tr>
<tr>
<td>Depth</td>
<td>68 mm</td>
</tr>
<tr>
<td>Terminals description ISO n°1</td>
<td>(13-14)NO</td>
</tr>
<tr>
<td>Net weight</td>
<td>0.095 kg</td>
</tr>
<tr>
<td>Resistance to high pressure washer</td>
<td>7000000 Pa at 55 °C, distance : 0.1 m</td>
</tr>
<tr>
<td>Contacts usage</td>
<td>Standard contacts</td>
</tr>
<tr>
<td>Positive opening</td>
<td>Without</td>
</tr>
<tr>
<td>Torque value</td>
<td>0.14 N·m NO changing electrical state</td>
</tr>
</tbody>
</table>

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Disclaimer: 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.
### 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
- Cross compatible with pozidriv No 1 screwdriver
- Slotted compatible with flat Ø 4 mm screwdriver
- 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
- 6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1
- 0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1
- 0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1
- 0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1
- 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
- 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
- A < 10 exp(-6) at 5 V and 1 mA in clean environment conforming to EN/IEC 60947-5-4
- A < 10 exp(-8) at 17 V and 5 mA in clean environment conforming to EN/IEC 60947-5-4

### Device presentation
Complete product

### Environment

#### Protective treatment
TH

#### Ambient air temperature for storage
-40...70 °C

#### Ambient air temperature for operation
-40...70 °C

#### Overvoltage category
Class I conforming to IEC 60536

#### IP degree of protection
IP69
IP69K
IP67 conforming to IEC 60529

#### NEMA degree of protection
NEMA 13
NEMA 4X

#### Standards
- CSA C22.2 No 14
- EN/IEC 60947-5-1
- JIS C8201-5-1
- EN/IEC 60947-1
- EN/IEC 60947-5-4
- EN/IEC 60947-5-5
- UL 508
- JIS C8201-1

#### Product certifications
- RINA
- LROS (Lloyds register of shipping)
- BV
- UL
- GL
- CSA
- DNV

#### 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
- 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

### Offer Sustainability

#### Sustainable offer status
Green Premium product
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)  
|                  | EU RoHS Declaration  
| Toxic heavy metal free | Yes  
| Mercury free | Yes  
| RoHS exemption information | Yes  
| China RoHS Regulation | China RoHS declaration  
| Environmental Disclosure | Product Environmental Profile  
| Circularity Profile | End of Life Information  
| 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)

<table>
<thead>
<tr>
<th>Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board</th>
<th>Connection by Faston Connectors</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Diagram 1" /></td>
<td><img src="image2" alt="Diagram 2" /></td>
</tr>
</tbody>
</table>

(1) Diameter on finished panel or support
(2) 40 mm min. / 1.57 in. min.
(3) 30 mm min. / 1.18 in. min.
(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm \(\pm 0.4 \text{ mm} / 0.016 \text{ in.}\))
(5) 45 mm min. / 1.78 in. min.
(6) 32 mm min. / 1.26 in. min.