### Characteristics

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

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#### Main

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

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#### Complementary

- **Height**: 47 mm  
- **Width**: 30 mm  
- **Depth**: 68 mm  
- **Terminals description ISO n°1**: (13-14)NO  
- **Net weight**: 0.095 kg  
- **Resistance to high pressure washer**: 7000000 Pa at 55 °C, distance : 0.1 m  
- **Contacts usage**: Standard contacts  
- **Positive opening**: Without  
- **Torque value**: 0.14 N.m NO changing electrical state

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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
1,000,000 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

[i] conventional free air thermal current
10 A conforming to EN/IEC 60947-5-1

[U] rated insulation voltage
600 V (pollution degree 3) conforming to EN 60947-1

[Um] rated impulse withstand voltage
6 kV EN 60947-1

[i]e 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
1,000,000 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
1,000,000 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
1,000,000 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
1,000,000 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
1,000,000 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
Λ < 10\(\exp(-6)\) at 5 V and 1 mA in clean environment conforming to EN/IEC 60947-5-4
Λ < 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
<table>
<thead>
<tr>
<th>EU RoHS Directive</th>
<th>Pro-active compliance (Product out of EU RoHS legal scope)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxic heavy metal free</td>
<td>Yes</td>
</tr>
<tr>
<td>Mercury free</td>
<td>Yes</td>
</tr>
<tr>
<td>RoHS exemption information</td>
<td>Yes</td>
</tr>
<tr>
<td>China RoHS Regulation</td>
<td>China RoHS declaration</td>
</tr>
<tr>
<td>Environmental Disclosure</td>
<td>Product Environmental Profile</td>
</tr>
<tr>
<td>Circularity Profile</td>
<td>End of Life Information</td>
</tr>
</tbody>
</table>

**WEEE**

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

**Contractual warranty**

<table>
<thead>
<tr>
<th>Warranty</th>
<th>18 months</th>
</tr>
</thead>
</table>
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" /></td>
<td><img src="image2" alt="Diagram" /></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 +0.4 / 0.88 in. +0.016)
5. 45 mm min. / 1.78 in. min.
6. 32 mm min. / 1.26 in. min.