Product data sheet

Characteristics

XB4BD33
black selector switch Ø22 3-position stay put 2NO 600V

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
3 positions +/- 45°

Contacts type and composition
2 NO

Contact operation
Slow-break

Connections - terminals
Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1
Screw clamp terminals, >= 1 x 0.22 mm² without cable end conforming to EN/IEC 60947-1

Complementary

Height
47 mm

Width
30 mm

Depth
68 mm

Terminals description ISO n°1
(23-24)NO
(13-14)NO

Net weight
0.105 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

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
- $\Lambda < 10^{\exp(-6)}$ at 5 V and 1 mA in clean environment conforming to EN/IEC 60947-5-4
- $\Lambda < 10^{\exp(-8)}$ at 17 V and 5 mA in clean environment conforming to EN/IEC 60947-5-4

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

### Product certifications
- GL
- RINA
- UL
- LROS (Lloyds register of shipping)
- CSA
- BV
- 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>
<tr>
<td>WEEE</td>
<td>The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins</td>
</tr>
</tbody>
</table>

**Contractual warranty**

| Warranty | 18 months |
Dimensions

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 +0.4 / 0.88 in. +0.016)
5. 45 mm min. / 1.78 in. min.
6. 32 mm min. / 1.26 in. min.