XB4BJ33
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 long 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 | 48 mm
Width | 30 mm
Depth | 68 mm
Terminals description ISO n°1
(23-24)NO
(13-14)NO
Product 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 positive opening
Torque value | 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
Cross head compatible with pozidriv No 1 screwdriver

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
Slotted head compatible with flat Ø 4 mm screwdriver
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

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

[Uj] 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

[le] 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
Λ < 10exp(-6) at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4
Λ < 10exp(-8) at 17 V, 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
IP67 conforming to IEC 60529
IP69K

NEMA degree of protection
NEMA 13
NEMA 4X

Standards
JIS C 4520
CSA C22.2 No 14
EN/IEC 60947-5-1
EN/IEC 60947-1
EN/IEC 60947-5-5
EN/IEC 60947-5-4
UL 508

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

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

Contractual warranty
Warranty period
18 months
Dimensions

- **e**: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.
## Mounting and Clearance

### XB4BJ33

#### 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>
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</thead>
<tbody>
<tr>
<td><img src="image1" alt="Connection Diagram" /></td>
<td><img src="image2" alt="Connection Diagram" /></td>
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</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.