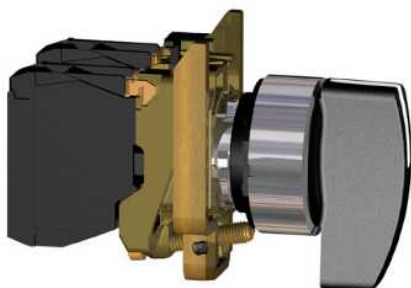


XB4BJ53EX

black selector switch Ø 22 - 3 positions +/- 45°
spring return - 2 NO - ATEX



Main

| | |
|---------------------------------|---------------------------|
| Range of product | Harmony XB4 |
| Product or component type | Complete selector switch |
| Device short name | XB4 |
| Bezel material | Chromium plated metal |
| Fixing collar material | Zamak |
| Mounting diameter | 22 mm |
| Sale per indivisible quantity | 1 |
| Dust zone | Zone 21 - 22 |
| Type of operator | Spring return (to centre) |
| Operator profile | Black long handle |
| Contacts type and com- position | 2 NO |

Complementary

| | |
|---|--|
| Resistance to high pressure washer | 7000000 Pa at 55 °C at 0.1 m |
| Device mounting | Fixing hole Ø 22.5 mm (22.3 +0.4/0) conforming to EN/IEC 60947-1 |
| Fixing center | >= 30 x 40 mm on support panel |
| Embedding depth | 43 mm |
| Marking | Ex tb IIIC |
| Shape of signaling unit head | Round |
| Operator position information | 3 positions +/- 45° |
| Contacts operation | Slow-break |
| Contacts usage | Standard contacts |
| Positive opening | Without |
| Torque value | 0.14 N.m (NO changing electrical state) |
| Mechanical durability | 3000000 cycles |
| Connections - terminals | Screw clamp terminals, clamping capacity: >= 1 x 0.22 mm² without cable end conforming to EN/IEC 60947-1 Screw clamp terminals, clamping capacity: <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 |
| Tightening torque | 0.8...1.2 N.m conforming to EN 60947-1 |
| Shape of screw head | Slotted head compatible with flat Ø 5.5 mm screwdriver Slotted head compatible with flat Ø 4 mm screwdriver Cross head compatible with pozidriv No 1 screwdriver Cross head compatible with Philips no 1 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 | 1.2 A at 600 V AC-15, A600 conforming to EN/IEC 60947-5-1 0.55 A at 125 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 0.1 A at 600 V DC-13, Q600 conforming to EN/IEC 60947-5-1 6 A at 120 V AC-15, A600 conforming to EN/IEC 60947-5-1 3 A at 240 V AC-15, A600 conforming to EN/IEC 60947-5-1 |

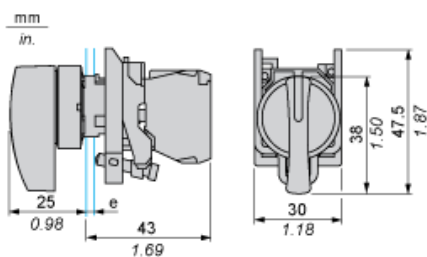
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| | |
|--------------------------------------|--|
| Electrical durability | 1000000 cycles DC-13, 0.5 A at 24 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 : appendix C 1000000 cycles DC-13, 0.2 A at 110 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 : appendix C 1000000 cycles 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 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, 2 A at 230 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN 60947-5-1 : appendix C |
| Electrical reliability IEC 60947-5-4 | $\Lambda < 10\exp(-8)$ at 17 V and 5 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10\exp(-6)$ at 5 V and 1 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 | -20...60 °C |
| Overvoltage category | I conforming to IEC 60536 |
| IP degree of protection | IP65 conforming to IEC 60529 |
| NEMA degree of protection | NEMA 4X NEMA 13 |
| IK degree of protection | IK06 conforming to IEC 50102 |
| Standards | IEC 60079-31 : 2008 IEC 60079-0 : 2007 EN 61000-6-2 EN 60079-31 : 2009 EN 60079-0 : 2009 |
| Directives | 94/9/EC - ATEX directive |
| Product certifications | INERIS 04ATEX9004U |
| Vibration resistance | 5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

Selector Switch



e : support 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) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $^{+0.4}_0$ / 0.88 in. $^{+0.016}_0$)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p> | |