



Main

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| Range of product | Harmony XB7 |
| Product or component type | Monolithic selector switch |
| Device short name | XB7 |
| Mounting diameter | 22 mm |
| Sale per indivisible quantity | 10 |
| Product weight | 0.05 kg |
| IP degree of protection | IP65 (front face) conforming to IEC 60529 IP20 (rear face) conforming to IEC 60529 |
| Shape of signaling unit head | Round |
| Type of operator | Stay put |
| Operator position information | 3 positions +/- 45° |
| Type of keylock | Ronis 455 |
| Key withdrawal position | Center |
| Contacts type and composition | 2 NO |
| Positive opening | Without positive opening |

Complementary

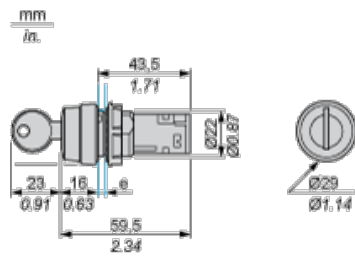
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| CAD overall width | 29 mm |
| CAD overall height | 29 mm |
| CAD overall depth | 83 mm |
| Terminals description ISO n°1 | (13-14)NO (23-24)NO |
| Device mounting | Fixing hole: Ø 22.5 mm (22.3 +0.4/0) conforming to EN/IEC 60947-1 |
| Fixing center | >= 30 x 40 mm on support panel, plastic, thickness: 2...6 mm >= 30 x 40 mm on support panel, metal, thickness: 1...6 mm |
| Fixing mode | Fixing nut recommended torque: 2.2 N.m (+/- 0.2 N.m) |
| Contacts operation | Slow-break |
| Mechanical durability | 300000 cycles |
| Connections - terminals | Screw clamp terminals: 1 x 0.34...2 x 2.5 mm ² without cable end conforming to EN/IEC 60947-1 Screw clamp terminals: <= 2 x 1.5 mm ² 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 Cross head compatible with JIS No 1 screwdriver |
| Short circuit protection | 4 A cartridge fuse type gG conforming to EN/IEC 60947-5-1 |
| [Ui] rated insulation voltage | 250 V (degree of pollution: 3) conforming to EN/IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to EN/IEC 60947-1 |
| [Ie] rated operational current | 0.6 A at 120 V, AC-14, D300 conforming to EN/IEC 60947-5-1 0.3 A at 240 V, AC-14, D300 conforming to EN/IEC 60947-5-1 0.22 A at 125 V, DC-13, R300 conforming to EN/IEC 60947-5-1 0.1 A at 250 V, DC-13, R300 conforming to EN/IEC 60947-5-1 |
| Electrical reliability IEC 60947-5-4 | $\Lambda < 10\exp(-6)$ at 17 V, 5 mA conforming to IEC 60947-5-4 |

Environment

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| Protective treatment | TH |
| Ambient air temperature for storage | -40...70 °C |
| Ambient air temperature for operation | -25...70 °C |
| Class of protection against electric shock | Class II conforming to IEC 61140 |
| NEMA degree of protection | NEMA 3 conforming to UL 50 E NEMA 12 conforming to UL 50 E |
| Standards | EN/IEC 60947-1 EN/IEC 60947-5-1 JIS C 4520 UL 508 CSA C22.2 No 14 |
| 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 |

Key Switch

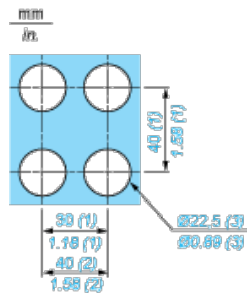
Dimensions



e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

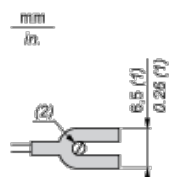
Mounting

Diameter of Finished Fixing Holes



- (1) Minimum value.
- (2) 40 mm/1.58 in. for Emergency switching off pushbutton only.
- (3) Standard value: Ø 22.3 (0; + 0.4) mm/Ø 0.88 (0; + 0.02) in.

“U” Type Tag Connection



- (1) 6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.
- (2) M3 screw clamp terminal.

Wiring

