



### Main

|                               |                                                                                                   |
|-------------------------------|---------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB7                                                                                       |
| Product or component type     | Monolithic pushbutton                                                                             |
| Device short name             | XB7                                                                                               |
| Mounting diameter             | 22 mm                                                                                             |
| Sale per indivisible quantity | 10                                                                                                |
| IP degree of protection       | IP20 (rear face) conforming to IEC 60529<br>IP54 (front face) conforming to IEC 60529             |
| Standards                     | CSA C22-2 No 14<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-5<br>JIS C 4520<br>UL 508 |
| Shape of signaling unit head  | Round                                                                                             |
| Type of operator              | Spring return                                                                                     |
| Operator profile              | Black flush unmarked                                                                              |
| Contacts type and composition | 1 NO                                                                                              |
| Contact operation             | Slow-break                                                                                        |

### Complementary

|                                        |                                                                                                                                                                                                                                                                                  |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product weight                         | 0.02 kg                                                                                                                                                                                                                                                                          |
| Device mounting                        | Fixing hole : 22.5 mm (22.3 +0.4/0) conforming to EN/IEC 60947-1                                                                                                                                                                                                                 |
| Fixing center                          | >= 30 x 40 mm on support panel thickness: metal : 1...6 mm<br>>= 30 x 40 mm on support panel thickness: plastic : 2...6 mm                                                                                                                                                       |
| Fixing mode                            | Fixing nut beneath head recommended torque: 1.2 N.m (0.8...2 N.m)                                                                                                                                                                                                                |
| Positive opening                       | Without                                                                                                                                                                                                                                                                          |
| Mechanical durability                  | 1000000 cycles                                                                                                                                                                                                                                                                   |
| Connections - terminals                | Screw clamp terminals : <= 2 x 1.5 mm <sup>2</sup> with cable end conforming to EN/IEC 60947-1<br>Screw clamp terminals : 1 x 0.22...2 x 2.5 mm <sup>2</sup> without cable end conforming to EN/IEC 60947-1<br>Conforming to EN/IEC 60947-1                                      |
| Tightening torque                      | 0.8...1.2 N.m conforming to EN 60947-1                                                                                                                                                                                                                                           |
| Shape of screw head                    | Cross head compatible with pozidriv No 1 screwdriver<br>Cross head compatible with Philips no 1 screwdriver<br>Cross head compatible with JIS No 1 screwdriver<br>Slotted head compatible with flat Ø 4 mm screwdriver<br>Slotted head compatible with flat Ø 5.5 mm screwdriver |
| Short circuit protection               | 4 A by gG cartridge fuse 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 | 6 kV conforming to EN/IEC 60947-1                                                                                                                                                                                                                                                |
| [Ie] rated operational current         | 0.1 A at 250 V DC-13 , R300 conforming to EN/IEC 60947-5-1<br>0.22 A at 125 V DC-13 , R300 conforming to EN/IEC 60947-5-1<br>0.3 A at 240 V AC-14 , D300 conforming to EN/IEC 60947-5-1<br>0.6 A at 120 V AC-14 , D300 conforming to EN/IEC 60947-5-1                            |
| Electrical reliability IEC 60947-5-4   | $\Lambda \leq 10\exp(-6)$ at 17 V and 5 mA conforming to EN/IEC 60947-5-4                                                                                                                                                                                                        |

## Environment

|                                            |                                                                          |
|--------------------------------------------|--------------------------------------------------------------------------|
| 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 60536                                         |
| NEMA degree of protection                  | NEMA 12                                                                  |
| Vibration resistance                       | 5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6                        |
| Shock resistance                           | 50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27 |
| RoHS EUR conformity date                   | 0752                                                                     |
| RoHS EUR status                            | Compliant                                                                |