



## 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       | IP54 (front face) conforming to IEC 60529<br>IP20 (rear face) conforming to IEC 60529 |
| Shape of signaling unit head  | Round                                                                                 |
| Type of operator              | Spring return                                                                         |
| Operator profile              | Black flush unmarked                                                                  |
| Contacts type and composition | 1 NO                                                                                  |
| Connections - terminals       | Faston connectors(2 x 2.8 mm)<br>Faston connectors(1 x 6.35 mm)                       |

## Complementary

|                                        |                                                                                                                                                                                                                                                       |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                      | 29 mm                                                                                                                                                                                                                                                 |
| CAD overall height                     | 29 mm                                                                                                                                                                                                                                                 |
| CAD overall depth                      | 52 mm                                                                                                                                                                                                                                                 |
| Terminals description ISO n°1          | (13-14)NO                                                                                                                                                                                                                                             |
| Product weight                         | 0.02 kg                                                                                                                                                                                                                                               |
| 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<br>>= 30 x 40 mm on support panel, metal, thickness: 1...6 mm                                                                                                                            |
| Fixing mode                            | Fixing nut beneath head recommended torque: 2.2 N.m (+/- 0.2 N.m)                                                                                                                                                                                     |
| Contacts operation                     | Slow-break                                                                                                                                                                                                                                            |
| Positive opening                       | Without positive opening                                                                                                                                                                                                                              |
| Mechanical durability                  | 1000000 cycles                                                                                                                                                                                                                                        |
| 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<br>0.3 A at 240 V, AC-14, D300 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>0.1 A at 250 V, DC-13, R300 conforming to EN/IEC 60947-5-1 |
| Electrical reliability IEC 60947-5-4   | $\Lambda \leq 10\exp(-6)$ at 17 V, 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                                                                       |
| Standards                                  | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>JIS C 4520<br>UL 508<br>CSA C22.2 No 14 |

|                      |                                                                                       |
|----------------------|---------------------------------------------------------------------------------------|
| 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 |