



## Main

|                               |                                                        |
|-------------------------------|--------------------------------------------------------|
| Range of product              | Harmony XB6E                                           |
| Product or component type     | Illuminated monolithic pushbutton                      |
| Device short name             | XB6                                                    |
| Bezel material                | Plastic                                                |
| Mounting diameter             | 16 mm                                                  |
| Sale per indivisible quantity | 5                                                      |
| Shape of signaling unit head  | Square                                                 |
| Type of operator              | Spring return                                          |
| Operator profile              | Yellow flush                                           |
| Contacts operation            | Snap action                                            |
| Connections - terminals       | Faston connectors: 2.8 x 0.5 mm<br>Soldered connectors |
| Contacts material             | Gold-flashed silver                                    |
| Light source                  | Integral LED                                           |
| [Us] rated supply voltage     | 12 V                                                   |

## Complementary

|                                             |                                                                                                                                                                                                                                                                                                               |
|---------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                           | 18 mm                                                                                                                                                                                                                                                                                                         |
| CAD overall height                          | 18 mm                                                                                                                                                                                                                                                                                                         |
| CAD overall depth                           | 40 mm                                                                                                                                                                                                                                                                                                         |
| Terminals description ISO n°1               | (13-14-11-12)OF<br>(23-24-21-22)OF                                                                                                                                                                                                                                                                            |
| Product weight                              | 0.006 kg                                                                                                                                                                                                                                                                                                      |
| Operating position                          | Any position                                                                                                                                                                                                                                                                                                  |
| Marking                                     | CE                                                                                                                                                                                                                                                                                                            |
| Operating force                             | 1.3 N (C/O changing electrical state)                                                                                                                                                                                                                                                                         |
| Short circuit protection                    | 3 A by gG cartridge fuse                                                                                                                                                                                                                                                                                      |
| [Ith] conventional free air thermal current | 3 A                                                                                                                                                                                                                                                                                                           |
| [Ui] rated insulation voltage               | 250 V (degree of pollution: 2) conforming to IEC 60947-1                                                                                                                                                                                                                                                      |
| [Uimp] rated impulse withstand voltage      | 2.5 kV conforming to IEC 60947-1                                                                                                                                                                                                                                                                              |
| Electrical durability                       | 100000 cycles DC-12, 1 A - 30 V conforming to IEC 60947-5-1 appendix C<br>100000 cycles AC-12, 0.5 A - 125 V conforming to IEC 60947-5-1 appendix C<br>100000 cycles AC-12, 0.5 A - 250 V conforming to IEC 60947-5-1 appendix C<br>100000 cycles DC-12, 0.2 A - 110 V conforming to IEC 60947-5-1 appendix C |
| Electrical reliability IEC 60947-5-4        | $\hat{I} \gg 10 \exp(-8)$ at 5 V and 1 mA with confidence level of 90 % conforming to IEC 60947-5-4                                                                                                                                                                                                           |
| Signalling type                             | Steady                                                                                                                                                                                                                                                                                                        |
| Current consumption                         | 20 mA                                                                                                                                                                                                                                                                                                         |
| Service life                                | 50000 h                                                                                                                                                                                                                                                                                                       |

## Environment

|                                            |                                                                                                       |
|--------------------------------------------|-------------------------------------------------------------------------------------------------------|
| Ambient air temperature for storage        | -40...55 °C                                                                                           |
| Ambient air temperature for operation      | -25...55 °C                                                                                           |
| Class of protection against electric shock | Class II conforming to IEC 60536                                                                      |
| IP degree of protection                    | IP65 conforming to IEC 60529                                                                          |
| Standards                                  | CSA C22-2 No 14<br>IEC 60947-1<br>IEC 60947-5-1<br>IEC 60947-5-5<br>JIS C 4520<br>JIS C 852<br>UL 508 |
| Product certifications                     | CSA<br>UL                                                                                             |
| Vibration resistance                       | 1 mm (5 - 55 Hz) conforming to IEC 60068-2-6<br>9 gn (5 - 55 Hz) conforming to IEC 60068-2-6          |
| Shock resistance                           | 20 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27                              |
| Resistance to electrostatic discharge      | 8 kV conforming to IEC 61000-4-2                                                                      |