

# XB6CW4B5B

red square flush complete illum pushbutton  
Ø16 spring return 1NO+1NC 12...24V



## Main

|                               |                                 |
|-------------------------------|---------------------------------|
| Range of product              | Harmony XB6                     |
| Product or component type     | Complete illuminated pushbutton |
| Device short name             | XB6                             |
| Bezel material                | Plastic                         |
| Mounting diameter             | 16 mm                           |
| Sale per indivisible quantity | 1                               |
| Shape of signaling unit head  | Square                          |
| Type of operator              | Spring return                   |
| Operator profile              | Red flush unmarked              |
| Contacts type and composition | 1 NO + 1 NC                     |
| Contacts operation            | Slow-break                      |
| Connections - terminals       | Faston connectors(2.8 x 0.5 mm) |
| Light source                  | LED                             |
| Bulb base                     | Integral LED                    |
| [Us] rated supply voltage     | 12...24 V AC/DC                 |

## Complementary

|                                        |                                                                                                                                                                                                                                                     |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                      | 18 mm                                                                                                                                                                                                                                               |
| CAD overall height                     | 18 mm                                                                                                                                                                                                                                               |
| CAD overall depth                      | 57 mm                                                                                                                                                                                                                                               |
| Terminals description ISO n°1          | (13-14)NO<br>(21-22)NC                                                                                                                                                                                                                              |
| Product weight                         | 0.025 kg                                                                                                                                                                                                                                            |
| Operating position                     | Any position                                                                                                                                                                                                                                        |
| Positive opening                       | With positive opening conforming to EN/IEC 60947-5-1 appendix K                                                                                                                                                                                     |
| Operating travel                       | 1 mm (NO changing electrical state)<br>2 mm (NC changing electrical state)<br>3.5 mm (total travel)                                                                                                                                                 |
| Operating force                        | 3.5 N (NO changing electrical state)<br>4.5 N (NC changing electrical state)                                                                                                                                                                        |
| Contacts material                      | Silver alloy (Ag/Ni)                                                                                                                                                                                                                                |
| Short circuit protection               | 6 A cartridge fuse type gG                                                                                                                                                                                                                          |
| [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         | 3 A at 120 V, AC-15, B300 conforming to EN/IEC 60947-5-1<br>1.5 A at 240 V, AC-15, B300 conforming to EN/IEC 60947-5-1<br>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 |
| Electrical durability                  | 1000000 cycles, AC-15 at 230 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13 at 230 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C    |
| Electrical reliability IEC 60947-5-4   | $\Lambda = 10\exp(-8)$ at 5 V, 1 mA with confidence level of 90 % conforming to IEC 60947-5-4                                                                                                                                                       |
| Signalling type                        | Steady                                                                                                                                                                                                                                              |
| Supply voltage limits                  | 6...30 V AC/DC                                                                                                                                                                                                                                      |

|                     |                                                                                                 |
|---------------------|-------------------------------------------------------------------------------------------------|
| Current consumption | 15 mA                                                                                           |
| Surge withstand     | 1 kV direct contact conforming to IEC 61000-4-5<br>2 kV in free air conforming to IEC 61000-4-5 |

## Environment

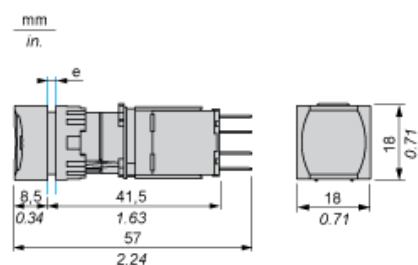
|                                            |                                                                                                                                                                                                                    |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                       | TC                                                                                                                                                                                                                 |
| 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                                                                                                                                                                                   |
| IP degree of protection                    | IP65 conforming to IEC 60529                                                                                                                                                                                       |
| NEMA degree of protection                  | NEMA 13 conforming to CSA C22-2 No 94<br>NEMA 13 conforming to UL 50<br>NEMA 4 conforming to CSA C22-2 No 94<br>NEMA 4 conforming to UL 50<br>NEMA 4X conforming to CSA C22-2 No 94<br>NEMA 4X conforming to UL 50 |
| 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>JIS C 852<br>UL 508                                                                                                     |
| Product certifications                     | CCC<br>CSA<br>GOST<br>UL                                                                                                                                                                                           |
| Vibration resistance                       | +/- 3 mm (f = 2...500 Hz) conforming to IEC 60068-2-6<br>5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6                                                                                                         |
| Shock resistance                           | 30 gn for 18 ms half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27                                                               |
| Resistance to fast transients              | 2 kV conforming to IEC 61000-4-4                                                                                                                                                                                   |
| Resistance to electromagnetic fields       | 10 V/m conforming to IEC 61000-4-3                                                                                                                                                                                 |
| Resistance to electrostatic discharge      | 6 kV on contact (on metal parts) conforming to IEC 61000-4-2<br>8 kV in free air (in insulating parts) conforming to IEC 61000-4-2                                                                                 |
| Electromagnetic emission                   | Class B conforming to IEC 55011                                                                                                                                                                                    |
| RoHS EUR status                            | Compliant                                                                                                                                                                                                          |
| RoHS EUR conformity date                   | 0822                                                                                                                                                                                                               |

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Square Head Pushbutton

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Dimensions



e panel thickness 1 to 6 mm/0.03 to 0.23 in.

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Panel Cut-out

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For Square or Circular Head

