



## Main

|                               |                                                                                                                                                                                                            |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB5                                                                                                                                                                                                |
| Product or component type     | Emergency stop push-button<br>Emergency switching off push-button                                                                                                                                          |
| Device short name             | XB5                                                                                                                                                                                                        |
| Bezel material                | Dark grey plastic                                                                                                                                                                                          |
| Fixing collar material        | Plastic                                                                                                                                                                                                    |
| Head type                     | Standard                                                                                                                                                                                                   |
| Mounting diameter             | 22 Mm                                                                                                                                                                                                      |
| Sale per indivisible quantity | 1                                                                                                                                                                                                          |
| Shape of signaling unit head  | Round                                                                                                                                                                                                      |
| Type of operator              | Trigger action and mechanical latching                                                                                                                                                                     |
| Reset                         | Turn to release                                                                                                                                                                                            |
| Operator profile              | Red mushroom Ø 40 mm, unmarked                                                                                                                                                                             |
| Contact operation             | Slow-break                                                                                                                                                                                                 |
| Connections - terminals       | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN 60947-1<br>Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming-<br>to EN 60947-1 |
| Device presentation           | Complete product                                                                                                                                                                                           |

## Complementary

|                                    |                                                                |
|------------------------------------|----------------------------------------------------------------|
| Height                             | 43 Mm                                                          |
| Width                              | 40 Mm                                                          |
| Depth                              | 82 Mm                                                          |
| Terminals description ISO n°1      | (11-12)NC<br>(13-14)NO                                         |
| Product weight                     | 0.072 Kg                                                       |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m                          |
| Contacts usage                     | Standard contacts                                              |
| Positive opening                   | With conforming to EN/IEC 60947-5-1 appendix K                 |
| Operating travel                   | 1.5 Mm (NC changing electrical state)<br>4.3 Mm (total travel) |
| Mechanical durability              | 300000 Cycles                                                  |
| Tightening torque                  | 0.8...1.2 N.M conforming to EN 60947-1                         |

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Shape of screw head                                      | Cross compatible with Philips no 1 screwdriver<br>Cross compatible with pozidriv No 1 screwdriver<br>Slotted compatible with flat Ø 4 mm screwdriver<br>Slotted compatible with flat Ø 5.5 mm screwdriver                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Contacts material                                        | Silver alloy (Ag/Ni)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Short-circuit protection                                 | 10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| [I <sub>th</sub> ] conventional free air thermal current | 10 A conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| [U <sub>i</sub> ] rated insulation voltage               | 600 V (pollution degree 3) conforming to EN 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 KV conforming to EN 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| [I <sub>e</sub> ] rated operational current              | 3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1<br>6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>1.2 A at 600 V, AC-15, A600 conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                            |
| Electrical durability                                    | 1000000 Cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C |
| Electrical reliability                                   | $\Lambda < 10\exp(-6)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Environment

|                                       |                                                                                                                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                                                                                          |
| Ambient air temperature for storage   | -40...70 °C                                                                                                                                                                                 |
| Ambient air temperature for operation | -40...70 °C                                                                                                                                                                                 |
| Overvoltage category                  | Class II conforming to IEC 60536                                                                                                                                                            |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67<br>IP69<br>IP69K                                                                                                                                       |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                                                                                                                                          |
| IK degree of protection               | IK03 conforming to IEC 50102                                                                                                                                                                |
| Standards                             | UL 508<br>EN/IEC 60947-5-5<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-1<br>EN/ISO 13850<br>IEC 60364-5-53<br>CSA C22.2 No 14<br>JIS C8201-5-1<br>EN/IEC 60947-1<br>EN/IEC 60204-1<br>JIS C8201-1 |
| Product certifications                | CSA<br>GL<br>LROS (Lloyds register of shipping)<br>BV<br>UL listed<br>DNV                                                                                                                   |
| 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<br>50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27              |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 4.500 Cm  |
| Package 1 Width              | 5.400 Cm  |
| Package 1 Length             | 9.600 Cm  |
| Package 1 Weight             | 68.000 G  |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 80        |
| Package 2 Height             | 30.000 Cm |
| Package 2 Width              | 30.000 Cm |
| Package 2 Length             | 40.000 Cm |
| Package 2 Weight             | 5.940 Kg  |
| Unit Type of Package 3       | P06       |
| Number of Units in Package 3 | 640       |
| Package 3 Height             | 77.000 Cm |
| Package 3 Width              | 80.000 Cm |
| Package 3 Length             | 60.000 Cm |
| Package 3 Weight             | 57.084 Kg |

## Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                           |
| REACH free of SVHC         | Yes                                                                                                                         |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                              |
| Toxic heavy metal free     | Yes                                                                                                                         |
| Mercury free               | Yes                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                      |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                               |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                     |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
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Product Life Status : **Commercialised**