



## Main

|                               |                                                                                                                                                                            |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB5                                                                                                                                                                |
| Product or component type     | Complete body/contact assembly and light block                                                                                                                             |
| Device short name             | ZB5                                                                                                                                                                        |
| Fixing collar material        | Plastic                                                                                                                                                                    |
| Sale per indivisible quantity | 100                                                                                                                                                                        |
| Head type                     | Standard                                                                                                                                                                   |
| Contacts type and composition | 1 NO + 1 NC                                                                                                                                                                |
| Contact operation             | Slow-break                                                                                                                                                                 |
| Connections - terminals       | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end EN 60947-1<br>Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end EN 60947-1 |
| Light source                  | Incandescent                                                                                                                                                               |
| Bulb base                     | BA 9s                                                                                                                                                                      |
| Light block supply            | Via integral transformer 1.2 VA 6 V                                                                                                                                        |

## Complementary

|                                                          |                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                                        | 1.18 in (30 mm)                                                                                                                                                                                                                                                          |
| CAD overall height                                       | 1.65 in (42 mm)                                                                                                                                                                                                                                                          |
| CAD overall depth                                        | 3.11 in (79 mm)                                                                                                                                                                                                                                                          |
| Terminals description ISO n°1                            | (11-12)NC<br>(13-14)NO                                                                                                                                                                                                                                                   |
| Net Weight                                               | 0.26 lb(US) (0.119 kg)                                                                                                                                                                                                                                                   |
| Contacts usage                                           | Standard                                                                                                                                                                                                                                                                 |
| Positive opening                                         | With EN/IEC 60947-5-1 appendix K                                                                                                                                                                                                                                         |
| Operating travel                                         | 0.06 in (1.5 mm) NC changing electrical state<br>0.10 in (2.6 mm) NO changing electrical state<br>0.17 in (4.3 mm) total travel                                                                                                                                          |
| Operating force                                          | 2 N NC changing electrical state<br>2.3 N NO changing electrical state                                                                                                                                                                                                   |
| Operating torque                                         | 0.44 lbf.in (0.05 N.m) NO changing electrical state                                                                                                                                                                                                                      |
| Mechanical durability                                    | 5000000 cycles                                                                                                                                                                                                                                                           |
| Tightening torque                                        | 7.08...10.62 lbf.in (0.8...1.2 N.m) EN 60947-1                                                                                                                                                                                                                           |
| Shape of screw head                                      | Cross Philips no 1<br>Cross pozidriv No 1<br>Slotted flat Ø 4 mm<br>Slotted flat Ø 5.5 mm                                                                                                                                                                                |
| Contacts material                                        | Silver alloy (Ag/Ni)                                                                                                                                                                                                                                                     |
| Short-circuit protection                                 | 10 A cartridge fuse gG EN/IEC 60947-5-1                                                                                                                                                                                                                                  |
| [I <sub>th</sub> ] conventional free air thermal current | 10 A EN/IEC 60947-5-1                                                                                                                                                                                                                                                    |
| [U <sub>i</sub> ] rated insulation voltage               | 600 V 3)EN 60947-1                                                                                                                                                                                                                                                       |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 kV EN 60947-1                                                                                                                                                                                                                                                          |
| [I <sub>e</sub> ] rated operational current              | 3 A 240 V, AC-15, A600 EN/IEC 60947-5-1<br>6 A 120 V, AC-15, A600 EN/IEC 60947-5-1<br>0.1 A 600 V, DC-13, Q600 EN/IEC 60947-5-1<br>0.27 A 250 V, DC-13, Q600 EN/IEC 60947-5-1<br>0.55 A 125 V, DC-13, Q600 EN/IEC 60947-5-1<br>1.2 A 600 V, AC-15, A600 EN/IEC 60947-5-1 |

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|                           |                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical durability     | 1000000 Cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C |
| Electrical reliability    | $\Lambda < 10\exp(-6)$ 5 V 1 mA in clean environment EN/IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ 17 V 5 mA in clean environment EN/IEC 60947-5-4                                                                                                                                                                                                                                                           |
| Signalling type           | Steady                                                                                                                                                                                                                                                                                                                                                                                                    |
| [Us] rated supply voltage | 110...120 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                   |

## Environment

|                                       |                                                                                                                     |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                  |
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C)                                                                                          |
| Ambient air temperature for operation | -40...158 °F (-40...70 °C)                                                                                          |
| Electrical shock protection class     | Class II IEC 60536                                                                                                  |
| Standards                             | UL 508<br>JIS C8201-5-1<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>EN/IEC 60947-1<br>EN/IEC 60947-5-4<br>JIS C8201-1 |
| Product certifications                | CSA<br>GL<br>BV<br>UL Listed<br>LROS (Lloyds register of shipping)<br>DNV<br>RINA                                   |
| Vibration resistance                  | 5 gn 2...500 Hz)IEC 60068-2-6                                                                                       |
| Shock resistance                      | 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27<br>50 gn 11 ms) half sine wave acceleration IEC 60068-2-27  |

## Ordering and shipping details

|                       |                                         |
|-----------------------|-----------------------------------------|
| Category              | 22469 - PUSHBUTTON,22MM ACCESSORIES-NEW |
| Discount Schedule     | CS2                                     |
| GTIN                  | 03389119077729                          |
| Nbr. of units in pkg. | 100                                     |
| Package weight(Lbs)   | 0.26 lb(US) (0.12 kg)                   |
| Returnability         | No                                      |
| Country of origin     | FR                                      |

## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 3.54 in (9 cm)   |
| Package 1 width        | 1.26 in (3.2 cm) |
| Package 1 Length       | 1.97 in (5 cm)   |

## Offer Sustainability

|                            |                                                                                                |
|----------------------------|------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                          |
| REACH free of SVHC         | Yes                                                                                            |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                            |
| RoHS exemption information | <a href="#">Yes</a>                                                                            |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</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. |