

Product availability: Stock - Normally stocked in distribution facility



### Main

|                               |                                                                                                                                                                                                        |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB4                                                                                                                                                                                            |
| Product or component type     | Complete body/contact assembly                                                                                                                                                                         |
| Device short name             | ZB4                                                                                                                                                                                                    |
| Fixing collar material        | Zamak                                                                                                                                                                                                  |
| Sale per indivisible quantity | 1                                                                                                                                                                                                      |
| Head type                     | Standard                                                                                                                                                                                               |
| Contacts type and composition | 1 NC                                                                                                                                                                                                   |
| Contact operation             | Slow-break                                                                                                                                                                                             |
| Contact block type            | Single                                                                                                                                                                                                 |
| Device composition            | Fixing collar<br>Contact block                                                                                                                                                                         |
| 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 to EN 60947-1 |

### Complementary

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                                        | 1.18 in (30 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CAD overall height                                       | 1.85 in (47 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| CAD overall depth                                        | 1.46 in (37 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Terminals description ISO n°1                            | (11-12)NC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Product weight                                           | 0.14 lb(US) (0.064 kg)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Contacts usage                                           | Standard contacts                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Positive opening                                         | With positive opening conforming to EN/IEC 60947-5-1 appendix K                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Operating travel                                         | 0.06 in (1.5 mm) (NC changing electrical state)<br>0.1 in (2.6 mm) (NO changing electrical state)<br>0.17 in (4.3 mm) (total travel)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Operating torque                                         | 0.44 lbf.in (0.05 N.m) (NO changing electrical state)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Mechanical durability                                    | 5000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Contacts material                                        | Silver alloy (Ag/Ni)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Short-circuit protection                                 | 4 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               | 250 V (degree of pollution: 3) conforming to EN 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 4 kV conforming to EN 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| [I <sub>e</sub> ] rated operational current              | 3 A at 240 V, AC-15, A300 conforming to EN/IEC 60947-5-1<br>6 A at 120 V, AC-15, A300 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, 1 A at 230 V, operating rate: $\leq 3600 \text{ cyc/h}$ , load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 1.5 A at 120 V, operating rate: $\leq 3600 \text{ cyc/h}$ , load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 3 A at 24 V, operating rate: $\leq 3600 \text{ cyc/h}$ , load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.15 A at 110 V, operating rate: $\leq 3600 \text{ cyc/h}$ , load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.4 A at 24 V, operating rate: $\leq 3600 \text{ cyc/h}$ , load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C |

|                        |                                                                                                                                                                                                 |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical reliability | $\Lambda < 10\text{exp}(-6)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4<br>$\Lambda < 10\text{exp}(-8)$ at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4 |
| Customizable           | No                                                                                                                                                                                              |
| Compatibility code     | ZB4                                                                                                                                                                                             |

## Environment

|                                       |                                                                                                                                                                        |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                                                                     |
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C)                                                                                                                                             |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C)                                                                                                                                             |
| IP degree of protection               | IP20 conforming to IEC 60529                                                                                                                                           |
| Standards                             | CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-5<br>EN/IEC 60947-1<br>JIS C 4520<br>UL 508<br>EN/IEC 60947-5-4                                                  |
| Product certifications                | BV<br>CSA<br>UL<br>LROS (Lloyds register of shipping)<br>RINA<br>DNV<br>GL                                                                                             |
| Vibration resistance                  | 5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6                                                                                                                      |
| Shock resistance                      | 30 gn (duration = 18 ms) half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 |

## Ordering and shipping details

|                       |                                         |
|-----------------------|-----------------------------------------|
| Category              | 22469 - PUSHBUTTON,22MM ACCESSORIES-NEW |
| Discount Schedule     | CS2                                     |
| GTIN                  | 00785901282464                          |
| Nbr. of units in pkg. | 1                                       |
| Package weight(Lbs)   | 0.12                                    |
| Returnability         | Y                                       |
| Country of origin     | FR                                      |

## Offer Sustainability

|                                  |                                                                                                                                    |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                                                              |
| RoHS (date code: YYWW)           | Compliant - since 0627 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                                                                  |
| Product environmental profile    | Available                                                                                                                          |
| Product end of life instructions | Need no specific recycling operations                                                                                              |
| California proposition 65        | WARNING: This product can expose you to chemicals including:                                                                       |
| ----- Substance 1                | Nickel compounds, which is known to the State of California to cause cancer, and                                                   |
| ----- Substance 2                | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.         |
| ----- More information           | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                      |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

# Mouser Electronics

Authorized Distributor

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