

# Product data sheet

Specifications



Harmony XALD, XALK, Control station, plastic, yellow, 1 red mushroom head push button Ø40, emergency stop key release 1 NO + 1 NC, unmarked

XALK188E

## Main

|                             |   |
|-----------------------------|---|
| Range of product            | Harmony XALK  |
| Product or component type   | Complete control station  |
| Device short name           | XALK  |
| Product destination         | For XB5 Ø 22 mm control and signalling units                          |
| Control station application | Emergency switching off function<br>Emergency stop function           |
| Colour of base of enclosure | Light grey (RAL 7035)   |
| Colour of cover             | Yellow (RAL 1021)   |
| Material                    | Polycarbonate   |
| Operator profile            | 1 mushroom head push-button   |
| Operators description       | Red unmarked 1 NO + 1 NC  |
| Reset                       | Key release   |
| Control station composition | 1 mushroom head Ø 40 mm push-button, red 1 NO + 1 NC unmarked marking |
| Contact operation           | Slow-break  |

## Complementary

|                                    |  |
|------------------------------------|--|
| Cable entry                        | 1 knock-out for cable entry 0...14 mm<br>2 knock-outs for Pg 13 cable gland and ISO M20 0...12 mm  |
| Net weight                         | 0.188 kg   |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m  |
| Key number                         | 455  |
| Positive opening                   | With conforming to EN/IEC 60947-5-1 appendix K   |
| Operating travel                   | 1.5 mm (NC changing electrical state)<br>2.6 mm (NO changing electrical state)<br>4.3 mm (total travel)  |
| Operating force                    | 44 N NC + NO changing electrical state   |
| Mechanical durability              | 300000 cycles  |
| Connections - terminals            | Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end conforming to EN/IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end conforming to EN/IEC 60947-1 |
| Tightening torque                  | 0.8...1.2 N.m conforming to EN/IEC 60947-1   |
| Shape of screw head                | Cross compatible with Philips no 1 screwdriver   |

Cross compatible with pozidriv No 1 screwdriver  
 Slotted compatible with flat Ø 4 mm screwdriver  
 Slotted compatible with flat Ø 5.5 mm screwdriver

|   |   |
|---|---|
| <b>Contacts material</b>                                      | Silver alloy (Ag/Ni)  |
| <b>Short-circuit protection</b>                               | 10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1  |
| <b>[I<sub>th</sub>] conventional free air thermal current</b> | 10 A conforming to EN/IEC 60947-5-1   |
| <b>[U<sub>i</sub>] rated insulation voltage</b>               | 600 V (pollution degree 3) conforming to EN/IEC 60947-1   |
| <b>[U<sub>imp</sub>] rated impulse withstand voltage</b>      | 6 kV conforming to EN/IEC 60947-1   |
| <b>[I<sub>e</sub>] rated operational current</b>              | 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  |
| <b>Electrical durability</b>                                  | 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 |
| <b>Electrical reliability</b>                                 | $\Lambda < 10\text{exp}(-6)$ at 5 V, 1 mA conforming to EN/IEC 60947-5-4<br>$\Lambda < 10\text{exp}(-8)$ at 17 V, 5 mA conforming to EN/IEC 60947-5-4   |

## Environment

|  |  |
|--|--|
| <b>Protective treatment</b>                  | TH   |
| <b>Ambient air temperature for storage</b>   | -40...70 °C  |
| <b>Ambient air temperature for operation</b> | -40...70 °C  |
| <b>Overvoltage category</b>                  | Class II conforming to IEC 60536   |
| <b>IP degree of protection</b>               | IP66 conforming to IEC 60529<br>IP67<br>IP69<br>IP69K  |
| <b>NEMA degree of protection</b>             | NEMA 13<br>NEMA 4X   |
| <b>IK degree of protection</b>               | IK03 conforming to EN 50102  |
| <b>Standards</b>                             | UL 508<br>EN/IEC 60204-1<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>JIS C 4520<br>EN/IEC 60947-5-4<br>IEC 60364-5-53<br>EN/ISO 13850<br>EN/IEC 60947-1<br>EN/IEC 60947-5-5      |
| <b>Vibration resistance</b>                  | 5 gn (f= 12...500 Hz) conforming to IEC 60068-2-6  |
| <b>Shock resistance</b>                      | 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

|                                     |        |
|-------------------------------------|--------|
| <b>Unit Type of Package 1</b>       | PCE    |
| <b>Number of Units in Package 1</b> | 1      |
| <b>Package 1 Height</b>             | 9.7 cm |
| <b>Package 1 Width</b>              | 7.0 cm |
| <b>Package 1 Length</b>             | 7.0 cm |

|                              |          |
|------------------------------|----------|
| Package 1 Weight             | 195.0 g  |
| Unit Type of Package 2       | S03      |
| Number of Units in Package 2 | 40       |
| Package 2 Height             | 30.0 cm  |
| Package 2 Width              | 30.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 8.295 kg |

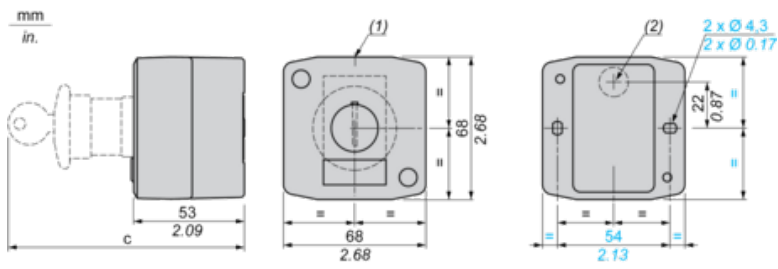
## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>   |
| 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   |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

## Contractual warranty

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

**Dimensions**



(1) 2 knock-outs for Pg 13.5 cable gland, maximum capacity 12 mm/0.47 in.

(2) Knock-out for cable entry, maximum capacity 14 mm/0.55 in.

| Control station fitted with:                              | c in mm | c in in. |
|---|---------|----------|
| Flush pushbutton  | 62      | 2.44     |
| Pilot light   | 64      | 2.52     |
| Illuminated pushbutton                                    | 65.5    | 2.58     |
| Projecting pushbutton                                     | 66      | 2.60     |
| Selector switch   | 80      | 3.15     |
| Mushroom head pushbutton                                  | 91.5    | 3.58     |
| Latching mushroom head Emergency stop pushbutton with key | 115     | 4.53     |
| Key switch  | 105.5   | 4.15     |

**Recommended replacement(s)**