

# Product data sheet

Specifications



Harmony, Control station, plastic, dark grey, 1 green flush/1 red projecting push buttons, Ø22, spring return, legend holder marked STOP/START

XALD211H29

## Main

|                             |                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------|
| Range of product            | Harmony XALD                                                                                |
| Product or component type   | Complete control station                                                                    |
| Device short name           | XALD                                                                                        |
| Product destination         | For XB5 Ø 22 mm control and signalling units                                                |
| Control station application | Start-Stop function                                                                         |
| Colour of base of enclosure | Light grey (RAL 7035)                                                                       |
| Colour of cover             | Dark grey (RAL 7016)                                                                        |
| Material                    | Polycarbonate                                                                               |
| Operator profile            | 2 flush push-buttons                                                                        |
| Operators description       | Green "START" 1 NO - red "STOP" 1 NC                                                        |
| Control station composition | 1 flush push-button, green 1 NO START marking<br>1 flush push-button, red 1 NC STOP marking |
| Marking location            | Marking on legend holder                                                                    |
| Contact operation           | Slow-break                                                                                  |

## Complementary

|                                    |                                                                                                                                                                            |
|------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable entry                        | 2 knock-outs for cable entry, clamping capacity: 14 mm<br>2 knock-outs for Pg 13 cable gland and ISO M20, clamping capacity: 12 mm                                         |
| Product weight                     | 0.233 kg                                                                                                                                                                   |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m                                                                                                                                      |
| 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                    | 3.5 N NC changing electrical state<br>3.8 N NO changing electrical state                                                                                                   |
| Mechanical durability              | 10000000 cycles                                                                                                                                                            |
| Connections - terminals            | Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm² 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<br>Cross compatible with pozidriv No 1 screwdriver<br>Slotted compatible with flat Ø 4 mm screwdriver                       |

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                          | 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/IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 kV conforming to EN/IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| [I <sub>e</sub> ] rated operational current              | 6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1<br>3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1/<br>1.2 A at 600 V, AC-15, A600 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>0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 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 conforming to EN/IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ at 17 V, 5 mA conforming to EN/IEC 60947-5-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Environment</b>                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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 EN 50102                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Standards                                                | CSA C22.2 No 14<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-1<br>UL 508<br>JIS C8201-5-1<br>EN/IEC 60947-1<br>EN/IEC 60947-5-5<br>JIS C8201-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Vibration resistance                                     | 5 gn (f= 12...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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Packing Units</b>                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Unit Type of Package 1                                   | PCE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Number of Units in Package 1                             | 1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Package 1 Weight                                         | 225.0 g                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Package 1 Height                                         | 7 cm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Package 1 width                                          | 9.5 cm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Package 1 Length                                         | 11 cm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 2       | P06       |
| Number of Units in Package 2 | 200       |
| Package 2 Weight             | 56.176 kg |
| Package 2 Height             | 75 cm     |
| Package 2 width              | 80 cm     |
| Package 2 Length             | 60 cm     |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 25        |
| Package 3 Weight             | 6.022 kg  |
| Package 3 Height             | 30 cm     |
| Package 3 width              | 30 cm     |
| Package 3 Length             | 40 cm     |

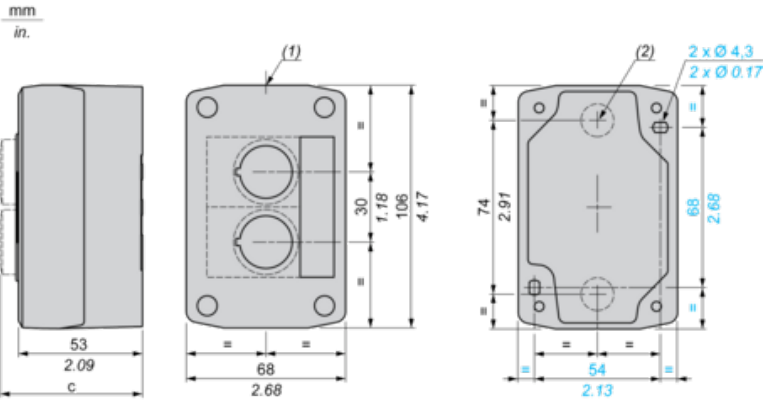
Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 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)<br><a href="#">EU RoHS Declaration</a>                           |
| Toxic heavy metal free     | Yes                                                                                                                         |
| 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 |

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 wit h key | 115     | 4.53     |
| Key switch                                                 | 105.5   | 4.15     |