

# XALD213

dark grey station - green flush/red flush  
pushbuttons Ø22 spring return



## 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 pushbuttons                                                                |
| Operators description       | Green "I" 1 NO - red "O" 1 NC                                                      |
| Control station composition | 1 flush push-button red 1 NC O marking<br>1 flush push-button green 1 NO I marking |
| Marking location            | Marking on pushbutton                                                              |
| Contacts operation          | Slow-break                                                                         |

## Complementary

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                          |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Cable entry                                 | 2 knock-outs for Pg 13 cable gland and ISO M20, clamping capacity: ≤ 12 mm<br>2 knock-outs for cable entry, clamping capacity: ≤ 14 mm                                                                                                                                                                                                                                                                                   |
| Product weight                              | 0.233 kg                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Resistance to high pressure washer          | 7000000 Pa at 55 °C, distance: 0.1 m                                                                                                                                                                                                                                                                                                                                                                                     |
| Colour of marking                           | Black marking when white caps<br>White marking when green, red or black caps                                                                                                                                                                                                                                                                                                                                             |
| Positive opening                            | With conforming to EN/IEC 60947-5-1 appendix K                                                                                                                                                                                                                                                                                                                                                                           |
| Operating travel                            | 4.3 mm (total travel)<br>2.6 mm (NO changing electrical state)<br>1.5 mm (NC changing electrical state)                                                                                                                                                                                                                                                                                                                  |
| Operating force                             | 3.8 N (NO changing electrical state)<br>3.5 N (NC changing electrical state)                                                                                                                                                                                                                                                                                                                                             |
| Mechanical durability                       | 5000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                           |
| Connections - terminals                     | Screw clamp terminals : ≥ 1 x 0.22 mm² without cable end conforming to EN/IEC 60947-1<br>Screw clamp terminals : ≤ 2 x 1.5 mm² with 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                         | Slotted, flat Ø 5.5 mm<br>Slotted, flat Ø 4 mm<br>Cross, pozidriv No 1<br>Cross, Philips no 1                                                                                                                                                                                                                                                                                                                            |
| Contacts material                           | Silver alloy (Ag/Ni)                                                                                                                                                                                                                                                                                                                                                                                                     |
| Short circuit protection                    | 10 A by gG cartridge fuse conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                 |
| [Ith] conventional free air thermal current | 10 A conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                                      |
| [Ui] rated insulation voltage               | 600 V (degree of pollution: 3) conforming to EN/IEC 60947-1                                                                                                                                                                                                                                                                                                                                                              |
| [Uimp] rated impulse withstand voltage      | 6 kV conforming to EN/IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                        |
| [Ie] rated operational current              | DC-13, Q600: Ue = 600 V Ie = 0.1 A conforming to EN/IEC 60947-5-1<br>DC-13, Q600: Ue = 250 V Ie = 0.27 A conforming to EN/IEC 60947-5-1<br>DC-13, Q600: Ue = 125 V Ie = 0.55 A conforming to EN/IEC 60947-5-1<br>AC-15, A600: Ue = 600 V Ie = 1.2 A conforming to EN/IEC 60947-5-1<br>AC-15, A600: Ue = 240 V Ie = 3 A conforming to EN/IEC 60947-5-1<br>AC-15, A600: Ue = 120 V Ie = 6 A conforming to EN/IEC 60947-5-1 |

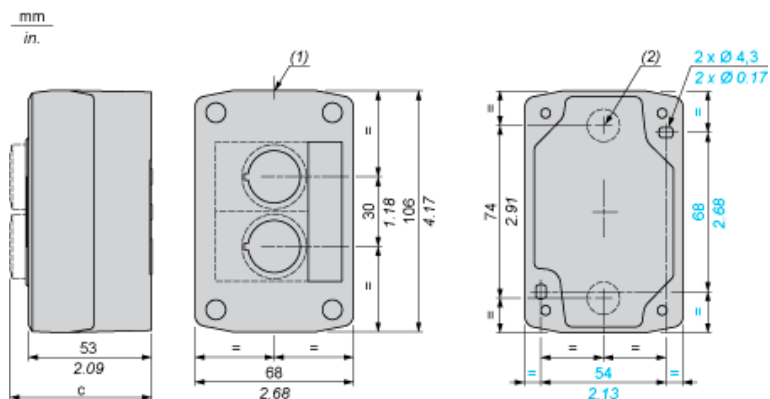
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|                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electrical durability                | 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<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 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 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, 2 A at 230 V, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C |
| Electrical reliability IEC 60947-5-4 | $\Lambda < 10\exp(-8)$ at 17 V, 5 mA conforming to EN/IEC 60947-5-4<br>$\Lambda < 10\exp(-6)$ at 5 V, 1 mA conforming to EN/IEC 60947-5-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## Environment

|                                            |                                                                                                                                                                                |
|--------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                       | TH                                                                                                                                                                             |
| Ambient air temperature for storage        | -40...70 °C                                                                                                                                                                    |
| Ambient air temperature for operation      | -25...70 °C                                                                                                                                                                    |
| Class of protection against electric shock | Class II conforming to IEC 60536                                                                                                                                               |
| IP degree of protection                    | IP66 conforming to IEC 60529                                                                                                                                                   |
| NEMA degree of protection                  | NEMA 4X<br>NEMA 13                                                                                                                                                             |
| IK degree of protection                    | IK03 conforming to EN 50102                                                                                                                                                    |
| Standards                                  | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-5<br>JIS C 4520<br>UL 508<br>CSA C22.2 No 14                                                          |
| Product certifications                     | CSA<br>UL listed                                                                                                                                                               |
| Vibration resistance                       | 5 gn (12...500 Hz) conforming to IEC 60068-2-6                                                                                                                                 |
| Shock resistance                           | 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

## 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     |