

# XALD164H29H7

dark grey station - 1 red mushroom head pushbutton  
Ø40 spring return 1NC "STOP"



## 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 | Stop function   |
| Colour of base of enclosure | Light grey RAL 7035                                       |
| Colour of cover             | Dark grey RAL 7016  |
| Material                    | Polycarbonate   |
| Operator profile            | 1 mushroom head push-button                               |
| Operators description       | Red "STOP" 1 NC   |
| Control station composition | 1 mushroom head Ø 40 mm push-button red 1 NC STOP marking |
| Marking location            | Marking on legend holder                                  |
| Contacts operation          | Slow-break  |

## Complementary

|  |  |
|--|--|
| Cable entry  | 1 knock-out 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   | 0.182 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>4.3 mm (total travel)   |
| Operating force  | 3.5 N (NC changing electrical state)   |
| Mechanical durability                                    | 5000000 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, 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 by gG cartridge fuse 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 (degree of pollution: 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              | AC-15, A600: U <sub>e</sub> = 120 V I <sub>e</sub> = 6 A conforming to EN/IEC 60947-5-1<br>AC-15, A600: U <sub>e</sub> = 240 V I <sub>e</sub> = 3 A conforming to EN/IEC 60947-5-1<br>AC-15, A600: U <sub>e</sub> = 600 V I <sub>e</sub> = 1.2 A conforming to EN/IEC 60947-5-1<br>DC-13, Q600: U <sub>e</sub> = 125 V I <sub>e</sub> = 0.55 A conforming to EN/IEC 60947-5-1<br>DC-13, Q600: U <sub>e</sub> = 250 V I <sub>e</sub> = 0.27 A conforming to EN/IEC 60947-5-1<br>DC-13, Q600: U <sub>e</sub> = 600 V I <sub>e</sub> = 0.1 A 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 |

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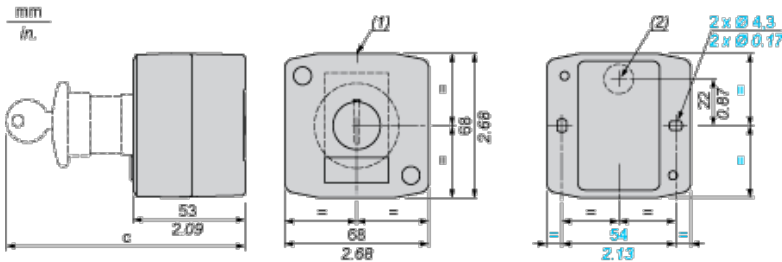
## Environment

|                                       |   |
|---------------------------------------|---|
| 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>IP69K<br>IP69   |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X  |
| 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                      | 10 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27                                 |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 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     |