# Product data sheet
## Characteristics

# XALD222
## dark grey station - white flush/black flush pushbuttons Ø22 spring return

### Main

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| 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 | Two functions |
| 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 | White 'up arrow' 1 NO - black 'down arrow' 1 NC |
| Control station composition | 1 flush pushbutton black 1 NC white down arrow marking<br>1 flush pushbutton white 1 NO black up arrow marking |
| Marking location | Marking on pushbutton |
| Contacts operation | Slow-break |

### Complementary

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| 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 |
| Colour of marking | Black marking when white caps<br>White marking when green, red or black caps |
| Positive opening | Without |
| Operating travel | 2.6 mm (NO changing electrical state)<br>4.3 mm (total travel) |
| Operating force | 3.8 N (NO changing electrical state) |
| Mechanical durability | 5000000 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, 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 |
| [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 | AC-15, A600: Ue = 120 V Ie = 6 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 = 600 V Ie = 1.2 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>DC-13, Q600: Ue = 250 V Ie = 0.27 A conforming to EN/IEC 60947-5-1<br>DC-13, Q600: Ue = 600 V Ie = 0.1 A conforming to EN/IEC 60947-5-1 |

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| 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 IEC 60947-5-4 | Λ < 10exp(-6) at 5 V, 1 mA conforming to EN/IEC 60947-5-4<br>Λ < 10exp(-8) at 17 V, 5 mA conforming to EN/IEC 60947-5-4 |

## Environment

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| 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 | IP65 conforming to IEC 60529 |
| 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 60947-1<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 |
| Product certifications | CSA<br>UL listed |
| Vibration resistance | 5 gn (12...500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 30 gn for 18 ms half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27 |