Product data sheet
Characteristics

XALD213
dark grey station - green flush/red flush pushbuttons Ø22 spring return

Main

Commercial Status	Commercialised
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 pushbutton red 1 NC O marking 1 flush pushbutton 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 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 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) 2.6 mm (NO changing electrical state) 1.5 mm (NC changing electrical state)
Operating force	3.8 N (NO changing electrical state) 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 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 Slotted, flat Ø 4 mm Cross, pozidriv No 1 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 DC-13, Q600: Ue = 250 V Ie = 0.27 A conforming to EN/IEC 60947-5-1 DC-13, Q600: Ue = 125 V Ie = 0.55 A conforming to EN/IEC 60947-5-1 AC-15, A600: Ue = 600 V Ie = 1.2 A conforming to EN/IEC 60947-5-1 AC-15, A600: Ue = 240 V Ie = 3 A conforming to EN/IEC 60947-5-1 AC-15, A600: Ue = 120 V Ie = 6 A conforming to EN/IEC 60947-5-1

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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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 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 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 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 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	Λ < 10exp(-8) at 17 V, 5 mA conforming to EN/IEC 60947-5-4 Λ < 10exp(-6) at 5 V, 1 mA conforming to EN/IEC 60947-5-4

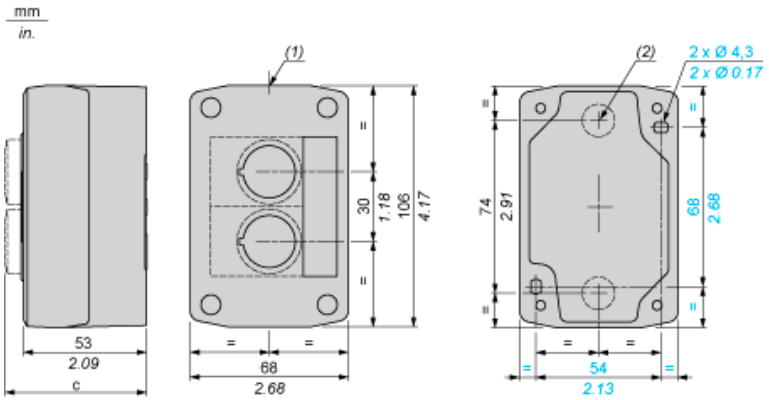
Environment

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	IP65 conforming to IEC 60529
NEMA degree of protection	NEMA 4X NEMA 13
IK degree of protection	IK03 conforming to EN 50102
Standards	CSA C22-2 No 14 EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-4 EN/IEC 60947-5-5 JIS C 4520 UL 508
Product certifications	CSA UL listed
Vibration resistance	5 gn (12...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27 30 gn for 18 ms half sine wave acceleration conforming to IEC 60068-2-27

Contractual 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 wit h key	115	4.53
Key switch	105.5	4.15