Product data sheet Characteristics

XALD144

dark grey station - 1 selector switch Ø22 key switch 1NO



Main Range of product Harmony XALD Product or component Complete control station type Device short name XALD Product destination For XB5 Ø 22 mm control and signalling units Start-Stop function Control station applica-Colour of base of en-Light grey RAL 7035 closure Colour of cover Dark grey RAL 7016 Material Polycarbonate Operator profile 1 key selector switch Key switch "O-I" 1 NO Operators description Control station compo-1 key selector switch 1 NO O-I marking sition

Marking on legend holder

Slow-break

Complementary

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	0.187 kg	
Resistance to high pressure washer	7000000 Pa at 55 °C, distance: 0.1 m	
Operator position information	2 positions	
Key number	455	
Key withdrawal position	Left-hand	
Positive opening	Without	
Operating travel	4.3 mm (total travel)	
Operating torque	0.14 N.m (NO changing electrical state)	
Mechanical durability	1000000 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	0.81.2 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	
[lth] 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	
[le] 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	

Marking location

Contacts operation

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

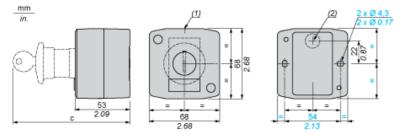
Protective treatment	TH		
Ambient air temperature for storage	-4070 °C		
Ambient air temperature for operation	-2570 °C		
Class of protection against electric shock	Class II conforming to IEC 60536		
IP degree of protection	IP66 conforming to IEC 60529		
NEMA degree of protection	NEMA 4X NEMA 13		
IK degree of protection	IK03 conforming to EN 50102		
Standards	EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-4 EN/IEC 60947-5-5 JIS C 4520 UL 508 CSA C22.2 No 14		
Product certifications	CSA UL listed		
Vibration resistance	5 gn (12500 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 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27		



Product data sheet **Dimensions Drawings**

XALD144

Dimensions



- 2 knock-outs for Pg 13.5 cable gland, maximum capacity 12 mm/0.47 in. 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