

XR2AA02K20

single-stage heavy duty screw limit switch XR2
- Ithe = 10 A - 2 C/O - 250 rpm



Main

Range of product	XR and XF
Product or component type	Single-stage heavy duty screw limit switch
Device short name	XR2
Product specific application	Liquid level control in pumping systems Position control of moving parts of hoisting or materials handling equipment
Material	Plastic (cover) Aluminium alloy (body housing)
Type of operator	Drive shaft, end fittings with sprocket key and washer
Maximum revolution speed	250 rpm of input drive shaft
Theoretical number of turns	20 of input drive shaft
Number of poles	1

Complementary

Mechanical durability	10000000 cycles
Number of turns	<= 6 of threaded shaft
Threaded shaft screw pitch	4 mm
Operating finger radius	40 mm
Length of developed helical travel	4 mm
Differential snap over angle	30 ° contact actuators measured at finger
Repeat accuracy	0.02 % on the tripping point
Number of teeth	49 (pinion D) 49 (pinion B) 26 (pinion C) 26 (pinion A)
Actual number of turns	21.3 (input drive shaft)
Contacts operation	Snap action
[Ie] rated operational current	Q300, DC-13 (Ue = 250 V, Ie = 0.27 A) conforming to EN/IEC 60947-5-1 A300, AC-15 (Ue = 240 V, Ie = 3 A) conforming to EN/IEC 60947-5-1
[Ithe] conventional enclosed thermal current	10 A
[Ui] rated insulation voltage	600 V conforming to CSA C22.2 No 14 500 V conforming to EN/IEC 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
Resistance across terminals	<= 25 MOhm
Short circuit protection	10 A cartridge fuse type gG
Connections - terminals	Screw clamp terminals, connection capacity: 2 x 2.5 mm ² without cable end Screw clamp terminals, connection capacity: 2 x 1.5 mm ² with or without cable end

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[illegible]

Cable entry	2 entries tapped for Pg 13 cable gland, clamping capacity: 9...12 mm
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Environment

Standards	EN/IEC 60947-5-1
Protective treatment	TC
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C
Shock resistance	50 gn for 11 ms
Vibration resistance	> 5 gn (10...55 Hz)
IP degree of protection	IP54 conforming to EN/IEC 60529

Offer Sustainability

Sustainable offer status	Not Green Premium product
RoHS (date code: YYWW)	Will be Compliant on 4Q2013