

# XR2AB02K04

single-stage heavy duty screw limit switch XR2  
- Ithe = 10 A - 2 C/O - 12 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	Sheet steel: enclosure
Type of operator	Drive shaft, end fittings with sprocket key and washer
Maximum revolution speed	12 rpm of input drive shaft
Theoretical number of turns	0.4 of input drive shaft
Number of poles	1

## Complementary

Mechanical durability	10000000 cycles
Maximum 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	16 (pinion B) 16 (pinion D) 59 (pinion A) 59 (pinion C)
Actual number of turns	0.441 (input drive shaft)
Contact operation	Snap action
[Ie] rated operational current	A300, AC-15, Ue = 240 V, Ie = 3 A conforming to EN/IEC 60947-5-1 Q300, DC-13, Ue = 250 V, Ie = 0.27 A conforming to EN/IEC 60947-5-1
[Ithe] conventional enclosed thermal current	10 A
[Ui] rated insulation voltage	500 V conforming to EN/IEC 60947-1 600 V conforming to CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
Maximum resistance across terminals	25 MOhm
Short-circuit protection	10 A cartridge fuse gG
Connections - terminals	Screw clamp terminals, 2 x 1.5 mm <sup>2</sup> with or without cable end Screw clamp terminals, 2 x 2.5 mm <sup>2</sup> without cable end

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Cable entry	Removable gland plate
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## Environment

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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 (f= 10...55 Hz)
IP degree of protection	IP54 conforming to EN/IEC 60529

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## Packing Units

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Unit Type of Package 1	PCE
Number of Units in Package 1	1

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## Contractual warranty

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Warranty	18 months
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