

# XR2AB03K80

Single stage heavy duty screw limit switch, XR and XF, XR2, lthe = 10 A, 3 C/O, 350 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	350 rpm of input drive shaft
Theoretical number of turns	80 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 A) 16 (pinion C) 59 (pinion B) 59 (pinion D)
Actual number of turns	81.586 (input drive shaft)
Contacts type and composition	3 C/O
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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither TWSS Holding nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.



Cable entry	Removable gland plate
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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 (f= 10...55 Hz)
IP degree of protection	IP54 conforming to EN/IEC 60529

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	25.0 cm
Package 1 Width	34.0 cm
Package 1 Length	42.0 cm
Package 1 Weight	12.0 kg

## Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
For all Reach Rohs enquiries contact us at	<a href="mailto:sustainability@tesensors.com">sustainability@tesensors.com</a>

## Contractual warranty

Warranty	18 months
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