Product data sheet
Characteristics

XR2AB03K6
Single stage heavy duty screw limit switch, XR and XF, XR2, Ithe = 10 A, 3 C/O, 150 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	Position control of moving parts of hoisting or materials handling equipment Liquid level control in pumping systems
Material	Sheet steel enclosure
Type of operator	Drive shaft, end fittings with sprocket key and washer
Maximum revolution speed	150 rpm input drive shaft
Theoretical number of turns	6 input drive shaft
Number of poles	1

Complementary

Mechanical durability	10000000 cycles
Maximum number of turns	6 threaded shaft
Threaded shaft screw pitch	0.16 in (4 mm)
Operating finger radius	1.57 in (40 mm)
Length of developed helical travel	0.16 in (4 mm)
Differential snap over angle	30 ° contact actuators measured at finger
Repeat accuracy	0.02 % on the tripping point
Actual number of turns	6 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 EN/IEC 60947-5-1 Q300, DC-13, Ue = 250 V, Ie = 0.27 A EN/IEC 60947-5-1
[Ithe] conventional enclosed thermal current	10 A
[Ui] rated insulation voltage	500 V EN/IEC 60947-1 600 V CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	6 kV 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 mm² with or without cable end Screw clamp terminals, 2 x 2.5 mm² without cable end

Electrical durability	10000000 Cycles AC-15 50/60 Hz inductive 12 V, 70 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles AC-15 50/60 Hz inductive 127 V, 270 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles AC-15 50/60 Hz inductive 220 V, 290 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles AC-15 50/60 Hz inductive 24 V, 120 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles AC-15 50/60 Hz inductive 380 V, 300 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles AC-15 50/60 Hz inductive 48 V, 180 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles AC-15 50/60 Hz inductive 500 V, 300 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles AC-15 50/60 Hz resistive 12 V, 45 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles AC-15 50/60 Hz resistive 127 V, 180 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles AC-15 50/60 Hz resistive 220 V, 200 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles AC-15 50/60 Hz resistive 24 V, 75 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles AC-15 50/60 Hz resistive 380 V, 200 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles AC-15 50/60 Hz resistive 48 V, 120 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles AC-15 50/60 Hz resistive 500 V, 200 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles AC-15 50/60 Hz inductive 12 V, 100 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles AC-15 50/60 Hz inductive 127 V, 1050 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles AC-15 50/60 Hz inductive 220 V, 1150 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles AC-15 50/60 Hz inductive 24 V, 220 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles AC-15 50/60 Hz inductive 380 V, 1150 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles AC-15 50/60 Hz inductive 48 V, 480 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles AC-15 50/60 Hz inductive 500 V, 1200 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles AC-15 50/60 Hz resistive 12 V, 100 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles AC-15 50/60 Hz resistive 127 V, 700 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles AC-15 50/60 Hz resistive 220 V, 750 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles AC-15 50/60 Hz resistive 24 V, 200 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles AC-15 50/60 Hz resistive 380 V, 800 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles AC-15 50/60 Hz resistive 48 V, 400 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles AC-15 50/60 Hz resistive 500 V, 800 VA 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles DC-13 inductive 110 V, 80 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles DC-13 inductive 12 V, 100 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles DC-13 inductive 220 V, 60 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles DC-13 inductive 24 V, 90 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles DC-13 inductive 440 V, 33 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles DC-13 inductive 48 V, 85 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles DC-13 resistive 110 V, 30 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles DC-13 resistive 12 V, 45 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles DC-13 resistive 220 V, 20 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles DC-13 resistive 24 V, 40 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles DC-13 resistive 440 V, 7.5 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 10000000 Cycles DC-13 resistive 48 V, 35 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles DC-13 inductive 110 V, 110 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles DC-13 inductive 12 V, 100 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles DC-13 inductive 220 V, 95 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles DC-13 inductive 24 V, 140 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles DC-13 inductive 440 V, 65 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles DC-13 inductive 48 V, 130 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles DC-13 resistive 110 V, 95 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles DC-13 resistive 12 V, 100 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles DC-13 resistive 220 V, 80 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles DC-13 resistive 24 V, 120 W 3600 cyc/h 0.5 EN/IEC 60947-5-1 3000000 Cycles DC-13 resistive 440 V, 45 W 3600 cyc/h 0.5 EN/IEC 60947-5-1

Cable entry	Removable gland plate

Environment

Standards	EN/IEC 60947-5-1
Protective treatment	TC
Ambient Air Temperature for Operation	-13…158 °F (-25…70 °C)
Ambient Air Temperature for Storage	-40…158 °F (-40…70 °C)
Shock resistance	50 gn 11 ms
Vibration resistance	> 5 gn 10…55 Hz)
IP degree of protection	IP54 EN/IEC 60529

Ordering and shipping details

Category	22449-LIMIT SWITCHES,ACCESSORIES
Discount Schedule	T
GTIN	3389110600636
Nbr. of units in pkg.	1
Package weight(Lbs)	24.28 lb(US) (11.015 kg)
Returnability	No
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	10.24 in (26 cm)
Package 1 width	13.78 in (35 cm)
Package 1 Length	16.93 in (43 cm)

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 www.P65Warnings.ca.gov
REACh Regulation	REACh Declaration
EU RoHS Directive	Not applicable, out of EU RoHS legal scope

Contractual warranty

Warranty	18 months