



Main

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|------------------------------|---|
| 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 | 300 rpm input drive shaft |
| Theoretical number of turns | 40 input drive shaft |
| Number of poles | 1 |

Complementary

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|---|---|
| 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 |
| Number of teeth | 16 pinion C) 26 pinion A) 49 pinion B) 59 pinion D) |
| Actual number of turns | 41.697 input drive shaft) |
| Contacts type and composition | 3 C/O |
| Contact operation | Snap action |
| [I _e] rated operational current | A300, AC-15, U _e = 240 V, I _e = 3 A EN/IEC 60947-5-1 Q300, DC-13, U _e = 250 V, I _e = 0.27 A EN/IEC 60947-5-1 |
| [I _{the}] conventional enclosed thermal current | 10 A |
| [U _i] rated insulation voltage | 500 V EN/IEC 60947-1 600 V CSA C22.2 No 14 |
| [U _{imp}] 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 mm ² with or without cable end Screw clamp terminals, 2 x 2.5 mm ² without cable end |

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

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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 | -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

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|-----------------------|----------------------------------|
| Category | 22449-LIMIT SWITCHES,ACCESSORIES |
| Discount Schedule | T |
| GTIN | 3389110600629 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 28.09 lb(US) (12.74 kg) |
| Returnability | No |
| Country of origin | FR |

Packing Units

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|------------------------|------------------|
| Unit Type of Package 1 | PCE |
| Package 1 Height | 10.63 in (27 cm) |
| Package 1 width | 13.39 in (34 cm) |
| Package 1 Length | 16.93 in (43 cm) |

Offer Sustainability

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|---------------------------|---|
| 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

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|----------|-----------|
| Warranty | 18 months |
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