



### 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<br>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 of input drive shaft                                                                                            |
| Theoretical number of turns  | 40 of input drive shaft                                                                                                 |
| Number of poles              | 1                                                                                                                       |

### Complementary

|                                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mechanical durability                        | 10000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Number of turns                              | <= 6 of 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)<br>26 (pinion A)<br>49 (pinion B)<br>59 (pinion D)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Actual number of turns                       | 41.697 (input drive shaft)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Contacts type and composition                | 6 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<br>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<br>600 V conforming to CSA C22.2 No 14                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| [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 1.5 mm <sup>2</sup> with or without cable end<br>Screw clamp terminals, connection capacity: 2 x 2.5 mm <sup>2</sup> without cable end                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Electrical durability                        | 10000000 cycles AC-15 50/60 Hz inductive at 12 V, 70 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1<br>10000000 cycles AC-15 50/60 Hz inductive at 127 V, 270 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1<br>10000000 cycles AC-15 50/60 Hz inductive at 220 V, 290 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1<br>10000000 cycles AC-15 50/60 Hz inductive at 24 V, 120 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1<br>10000000 cycles AC-15 50/60 Hz inductive at 380 V, 300 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1<br>10000000 cycles AC-15 50/60 Hz inductive at 48 V, 180 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1<br>10000000 cycles AC-15 50/60 Hz inductive at 500 V, 300 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1<br>10000000 cycles AC-15 50/60 Hz resistive at 12 V, 45 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1<br>10000000 cycles AC-15 50/60 Hz resistive at 127 V, 180 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1 |

The information provided in this documentation contains general descriptions and/or technical characteristics 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 Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

[illegible]

3000000 cycles DC-13 resistive at 24 V, 120 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1  
 3000000 cycles DC-13 resistive at 440 V, 45 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1  
 3000000 cycles DC-13 resistive at 48 V, 110 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1

|                |                       |
|----------------|-----------------------|
| Cable entry    | Removable gland plate |
| Product weight | 26.46 lb(US) (12 kg)  |

## 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 conforming to EN/IEC 60529 |

## Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Not Green Premium product                                                                                                  | Not Green Premium product                                                                                                  |
| Will be Compliant on 4Q2013                                                                                                | Will be Compliant on 4Q2013<br>Will be Compliant on 4Q2013                                                                 |
| WARNING: This product can expose you to chemicals including:                                                               | WARNING: This product can expose you to chemicals including:                                                               |
| Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and                                | 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. | 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 more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Contractual warranty

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



**Стандарт  
Электрон  
Связь**

Мы молодая и активно развивающаяся компания в области поставок электронных компонентов. Мы поставляем электронные компоненты отечественного и импортного производства напрямую от производителей и с крупнейших складов мира.

Благодаря сотрудничеству с мировыми поставщиками мы осуществляем комплексные и плановые поставки широчайшего спектра электронных компонентов.

Собственная эффективная логистика и склад в обеспечивает надежную поставку продукции в точно указанные сроки по всей России.

Мы осуществляем техническую поддержку нашим клиентам и предпродажную проверку качества продукции. На все поставляемые продукты мы предоставляем гарантию .

Осуществляем поставки продукции под контролем ВП МО РФ на предприятия военно-промышленного комплекса России , а также работаем в рамках 275 ФЗ с открытием отдельных счетов в уполномоченном банке. Система менеджмента качества компании соответствует требованиям ГОСТ ISO 9001.

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С нами вы становитесь еще успешнее!

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