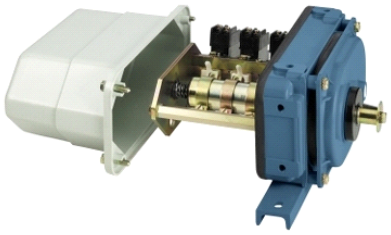
Product datasheet
Characteristics

XR2AA03K04



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	Aluminium alloy (body housing) Plastic (cover)
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
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 B) 16 (pinion D) 59 (pinion A) 59 (pinion C)
Actual number of turns	0.441 (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
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 mm² with or without cable end Screw clamp terminals, connection capacity: 2 x 2.5 mm² 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 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 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 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 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 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 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 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 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
10000000 cycles AC-15 50/60 Hz resistive at 220 V, 200 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles AC-15 50/60 Hz resistive at 24 V, 75 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles AC-15 50/60 Hz resistive at 380 V, 200 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles AC-15 50/60 Hz resistive at 48 V, 120 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles AC-15 50/60 Hz resistive at 500 V, 200 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles DC-13 inductive at 110 V, 80 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles DC-13 inductive at 12 V, 100 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles DC-13 inductive at 220 V, 60 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles DC-13 inductive at 24 V, 90 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles DC-13 inductive at 440 V, 33 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles DC-13 inductive at 48 V, 85 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles DC-13 resistive at 110 V, 30 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles DC-13 resistive at 12 V, 45 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles DC-13 resistive at 220 V, 20 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles DC-13 resistive at 24 V, 40 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles DC-13 resistive at 440 V, 7.5 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
10000000 cycles DC-13 resistive at 48 V, 35 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles AC-15 50/60 Hz inductive at 12 V, 100 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles AC-15 50/60 Hz inductive at 127 V, 1050 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles AC-15 50/60 Hz inductive at 220 V, 1150 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles AC-15 50/60 Hz inductive at 24 V, 220 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles AC-15 50/60 Hz inductive at 380 V, 1150 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles AC-15 50/60 Hz inductive at 48 V, 480 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles AC-15 50/60 Hz inductive at 500 V, 1200 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles AC-15 50/60 Hz resistive at 12 V, 100 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles AC-15 50/60 Hz resistive at 127 V, 700 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles AC-15 50/60 Hz resistive at 220 V, 750 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles AC-15 50/60 Hz resistive at 24 V, 200 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles AC-15 50/60 Hz resistive at 380 V, 800 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles AC-15 50/60 Hz resistive at 48 V, 400 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles AC-15 50/60 Hz resistive at 500 V, 800 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles DC-13 inductive at 110 V, 110 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles DC-13 inductive at 12 V, 100 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles DC-13 inductive at 220 V, 95 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles DC-13 inductive at 24 V, 140 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles DC-13 inductive at 440 V, 65 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles DC-13 inductive at 48 V, 130 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles DC-13 resistive at 110 V, 95 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles DC-13 resistive at 12 V, 100 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
3000000 cycles DC-13 resistive at 220 V, 80 W, operating rate 3600 cyc/h, load factor

	0.5 EN/IEC 60947-5-1 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	2 entries tapped for Pg 13 cable gland, clamping capacity: 0.35...0.47 in (9...12 mm)
Product weight	13.23 lb(US) (6 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 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 www.p65warnings.ca.gov	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months

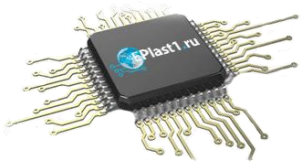
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

Телефон: 8 (812) 309 58 32 (многоканальный)
Факс: 8 (812) 320-02-42
Электронная почта: org@eplast1.ru
Адрес: 198099, г. Санкт-Петербург, ул. Калинина, дом 2, корпус 4, литера А.