



Main

Range of product	XR and XF
Product or component type	Standard duty screw limit switch
Device short name	XRBA
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) Aluminium alloy (cover) Stainless steel (input drive shaft)
Type of operator	Bare drive shaft
Operating position	Right-hand side
Maximum revolution speed	1000 rpm of input drive shaft
Number of poles	1
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
Product compatibility	XRZ900

Complementary

Reduction ratio	274:1
Operating torque	5 N.m at 20 °C
Mechanical durability	15000000 cycles
Contacts type and composition	4 C/O
[Ithe] conventional enclosed thermal current	10 A
[Ui] rated insulation voltage	250 V conforming to EN/IEC 60947-1
[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	Captive screw clamp terminals, connection capacity: 2 x 1.5 mm ² with cable end
Electrical durability	500000 cycles AC-15 50/60 Hz inductive at 12 V, 65 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1 500000 cycles AC-15 50/60 Hz inductive at 127 V, 450 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1

Disclaimer: 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

500000 cycles AC-15 50/60 Hz inductive at 220 V, 530 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles AC-15 50/60 Hz inductive at 24 V, 108 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles AC-15 50/60 Hz inductive at 48 V, 216 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles AC-15 50/60 Hz resistive at 12 V, 18 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles AC-15 50/60 Hz resistive at 127 V, 165 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles AC-15 50/60 Hz resistive at 220 V, 220 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles AC-15 50/60 Hz resistive at 24 V, 35 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles AC-15 50/60 Hz resistive at 48 V, 700 VA, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles DC-13 inductive at 110 V, 130 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles DC-13 inductive at 12 V, 55 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles DC-13 inductive at 220 V, 135 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles DC-13 inductive at 24 V, 84 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles DC-13 inductive at 48 V, 110 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles DC-13 resistive at 110 V, 65 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles DC-13 resistive at 12 V, 27 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles DC-13 resistive at 220 V, 67 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles DC-13 resistive at 24 V, 39 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1
 500000 cycles DC-13 resistive at 48 V, 50 W, operating rate 3600 cyc/h, load factor 0.5 EN/IEC 60947-5-1

Adaptation for potentiometer	With, ratio 2 (1.933)
Cable entry	1 entry tapped for Pg 16 cable gland, clamping capacity: 10...14 mm 1 entry tapped for Pg 9 cable gland, clamping capacity: 5...8 mm
Product weight	1.5 kg

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	80 gn for 11 ms
Vibration resistance	> 5 gn (10...60 Hz)
IP degree of protection	IP55 conforming to EN/IEC 60529 IP557 conforming to NF C 20-010

Offer Sustainability

RoHS (date code: YYWW)	Will be compliant on 4Q2014 Will be compliant on 4Q2014
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Contractual warranty

Warranty period	18 months
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