

Product data sheet

Specifications



Square D Pumptrol, water pump switch 9013FR, adjust diff., 50 30 PSI, reverse action

9013FRG2J35

Main

Range of product	Square D Pumptrol
Pressure sensor name	9013FR
Pressure sensor size	65 psi (448.16 kPa) 23...65 psi (158.58...448.16 kPa)
Value of setting	50...30 psi
Electrical circuit type	Power circuit
Product specific application	Control electrically driven water pumps
Quantity per set	1
Type of packing	Individual

Complementary

Pressure sensor type	Electromechanical pressure switch
Controlled fluid	Fresh water -22...257 °F (-30...125 °C)
Adjustable range on rising pressure	8...45 psi (55.16...310.26 kPa)
Approximate adjustable differential	15...30 psi (103.42...206.84 kPa)
Destruction pressure	220 psi (1516.85 kPa)
Pressure actuator	Diaphragm
Pressure switch type of operation	Regulation between 2 thresholds
Scale type	Adjustable differential
Setting	Internal
Local display	Without
Contacts type and composition	2 NO, snap action, DPST-DB, Form XX
Cable entry number	2 0.88 in (22.35 mm) cable entries with 0.84 in across flats UL 508
Electrical connection	Screw-clamp terminals 10 AWG Screw-clamp terminals 5.261 mm ²
Fluid connection type	0.25 inch NPSF internal UL 508
Short-circuit protection	20 A cartridge fuse gG
Materials in contact with fluid	Zinc plated steel or equivalent flange Nitrile (Buna-N) or equivalent rubber diaphragm
Material	Polypropylene cover

Noryl thermoplastic resin or equivalent cover

Operating position	Any position
Motor power kW	0.75 kW 1 hp)115 V AC, 1 phase 0.75 kW 1 hp)230 V AC, 1 phase 0.75 kW 1 hp)115 V AC, 3 phases 0.75 kW 1 hp)230 V AC, 3 phases 0.18 kW 0.25 hp)32 V DC 0.18 kW 0.25 hp)115 V DC 0.18 kW 0.25 hp)230 V DC
Electrical durability	100000 cycles 10 cyc/mn
Mechanical durability	300000 cycles
Terminal block type	4 terminals
Maximum operating rate	10 cyc/mn
[Ui] rated insulation voltage	575 V UL 508
Net weight	1 lb(US) (0.45 kg)
Repeat accuracy	+/- 3 %
Terminals description ISO n°1	L2-T2 L1-T1
Width	2.78 in (70.61 mm)
Height	2.8 in (71.12 mm)
Depth	3.76 in (95.50 mm)
Factory modification	-

Environment

Standards	NSF ANSI 61 Annex G UL 508 CE
Ambient air temperature for operation	-33...257 °F (-36...125 °C)
Ambient air temperature for storage	-33...257 °F (-36...125 °C)
Protective treatment	None
NEMA degree of protection	NEMA 1 UL 50
IP degree of protection	IP20 IEC 60529
Product certifications	CSA file LR25490 UL listed file E12158

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.91 in (7.4 cm)
Package 1 Width	4.02 in (10.2 cm)
Package 1 Length	4.02 in (10.2 cm)
Package 1 Weight	12.48 oz (353.8 g)

Offer Sustainability

EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile

Contractual warranty

Warranty 18 months

Recommended replacement(s)