

Product data sheet

Specifications



Square D Pumptrol, water pump switch 9013FS, adjustable diff., 30 50 PSI

9013FSG2J21

Main

Range of product	Square D Pumptrol
Pressure sensor name	9013FS
Pressure sensor size	448.16 kPa (34.47...310.26 kPa)
Value of setting	30...50 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 (-30...125 °C)
Adjustable range on rising pressure	137.90...448.16 kPa
Approximate adjustable differential	103.42...206.84 kPa
Destruction pressure	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 NC, snap action, DPST-DB, Form YY
Cable entry number	2 22.35 mm cable entries with 0.84 in across flats conforming to UL 508
Electrical connection	Screw-clamp terminals, clamping capacity: 10 AWG Screw-clamp terminals, clamping capacity: 5.261 mm ²
Fluid connection type	0.25 inch NPSF internal conforming to UL 508
Short-circuit protection	20 A cartridge fuse, type 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	1.5 kW (2 hp) at 230 V AC, 1 phase 1.1 kW (1.5 hp) at 115 V AC, 1 phase 1.5 kW (2 hp) at 115 V AC, 3 phases 2.2 kW (3 hp) at 230 V AC, 3 phases 0.75 kW (1 hp) at 460 V AC, 3 phases 0.75 kW (1 hp) at 575 V AC, 3 phases
Electrical durability	100000 cycles, operating rate <10 cyc/mn
Mechanical durability	300000 cycles
Terminal block type	4 terminals
Maximum operating rate	10 cyc/mn
[Ui] rated insulation voltage	575 V conforming to UL 508
Net weight	0.45 kg
Repeat accuracy	+/- 3 %
Terminals description ISO n°1	L1-T1 L2-T2
Width	70.61 mm
Height	71.12 mm
Depth	95.50 mm
Factory modification	-

Environment

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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.37 cm
Package 1 Width	10.16 cm
Package 1 Length	10.16 cm
Package 1 Weight	358.34 g
Unit Type of Package 2	S04
Number of Units in Package 2	25
Package 2 Height	30 cm
Package 2 Width	40 cm
Package 2 Length	60 cm
Package 2 Weight	10.602 kg

Unit Type of Package 3	CAR
Number of Units in Package 3	50
Package 3 Height	22.606 cm
Package 3 Width	39.116 cm
Package 3 Length	53.086 cm
Package 3 Weight	19.391 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
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
Circularity Profile	End of Life Information
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

Contractual warranty

Warranty	18 months
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Recommended replacement(s)