

Product data sheet

Characteristics

9013FSG2J20B7PU2

Square D Pumptrol, water pump switch

9013FS, adjustable diff., 20 40 PSI



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	20...40 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	Slip-on connectors (line and load terminals)
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	0.52 kg
Repeat accuracy	+/- 3 %
Terminals description ISO n°1	L1-T1 L2-T2

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Width	70.61 mm
Height	71.12 mm
Depth	95.50 mm
Factory modification	Pulsation plug Supplied with 1 grommet

Environment

Standards	NSF ANSI 61 Annex G UL 508 CE
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	25.806 cm
Package 1 Width	10.16 cm
Package 1 Length	65.548 cm
Package 1 Weight	453.592 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
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months
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