

Product Datasheet

Characteristic

9013FHG2J27

air compressor switch 9013FH - fixed differential - Off at 100 psi - low hp



Main

range of product	Square D Pumptrol
pressure sensor name	9013FH
pressure sensor size	100 psi
value of setting	off at 100 psi
electrical circuit type	power circuit
product specific application	control small electrically driven air compressors
quantity per set	1
type of packing	individual

Complementary

pressure sensor type	electromechanical pressure switch
controlled fluid	air (-22...257 °F)
adjustable range on rising pressure	40...100 psi
approximate adjustable differential	20 psi
destruction pressure	220 psi
pressure actuator	diaphragm
pressure switch type of operation	regulation between 2 thresholds
scale type	fixed differential
setting	internal
local display	without
contacts type and composition	2 NC, snap action, DPST-DB, Form YY
cable entry number	2 0.88 in cable entries with 0.84 in across flats 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 by 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 at 10 cyc/mn
mechanical durability	300000 cycles
terminal block type	4 terminals
operating rate	10 cyc/mn
[Ui] rated insulation voltage	575 V conforming to UL 508
product weight	1 lb(US)
repeat accuracy	+/- 3 %
terminals description ISO n°1	L1-T1 L2-T2
width	2.78 in
height	2.8 in
depth	3.76 in
factory modification	-

Environment

standards	CE UL 508
ambient air temperature for operation	-33...257 °F
ambient air temperature for storage	-33...257 °F
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

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1150 -
REACH	Reference contains SVHC above the threshold -
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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