

Product data sheet

Specifications

SQUARE D



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

9013FHG22J27PX

! Discontinued on: 23 January 2021

! Discontinued

Main

Range of Product	Square D Pumptrol
Pressure sensor name	9013FH
Pressure sensor size	100 psi (689.48 kPa)
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 (-30...125 °C))
Adjustable range on rising pressure	40...100 psi (275.79...689.48 kPa)
Approximate fixed differential	20 psi (137.90 kPa)
Destruction pressure	220 psi (1516.85 kPa)
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 (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	1.5 kW 2 hp)115 V AC, 1 phase 2.2 kW 3 hp)115 V AC, 3 phase 2.2 kW 3 hp)230 V AC, 1 phase 3.7 kW 5 hp)230 V AC, 3 phase
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	3.71 in (94.23 mm)
Depth	3.76 in (95.50 mm)
Factory modification	2-way pressure release valve Pulsation plug

Environment

Standards	CE UL 508
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 conforming to IEC 60529
Product Certifications	CSA file LR25490 UL listed file E12158

Ordering and shipping details

Category	21533-9013 FHG (INDIVIDUAL-DISCOUNT CP7I)
Discount Schedule	CP7I
GTIN	00785901702788
Returnability	No
Country of origin	MX

Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
EU RoHS Directive	Not applicable, out of EU RoHS legal scope
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Contractual warranty

Warranty

18 months

Recommended replacement(s)

9013FHG22J27PX is replaced by the following product range:



Pressure Switches - Square D™ NEMA,

A comprehensive range of Pressure switches, Vacuum switches and Float switches, compliant with US and international standards

Products: 642