

MPDF Series

OEM Integrated Pressure Switch



Technical data

Clogging indicators

OEM Integrated Pressure Switch

One of the smallest switches in the market offering an integrated Deutsch receptacle. Plug in a mating DT04-2P plug for an instant solution to the constant water spray present in mobile applications.

Standard Features

- Silver Nickel alloy contacts
- Direct blade contact
- Diaphragm/Piston combination
- Integrated Deutsch receptacle
- Gold contact available

Applications

- Mobile equipment
- Street sweepers
- Cement trucks
- Aerial booms

Materials

Diaphragm: standard Nitrile (optional Viton, EPDM, HNBR)
Housing: Steel, Zinc-plated

Specification

Electrical: 100 VA - 42 VDC
Switch type: blade contact
Protection: IP67
Electrical connector: DT04-P2
Mechanical range: 1,000,000 cycles at 1000 PSI (69 bar)

Pressure range

From 1.5 to 2175 PSI (from 0.1 to 150 bar)
Maximum overpressure: 9000 PSI (600 bar)

Temperature range

From -20°F to +180 °F (from -29 °C to +82 °C) Nitrile

Weight

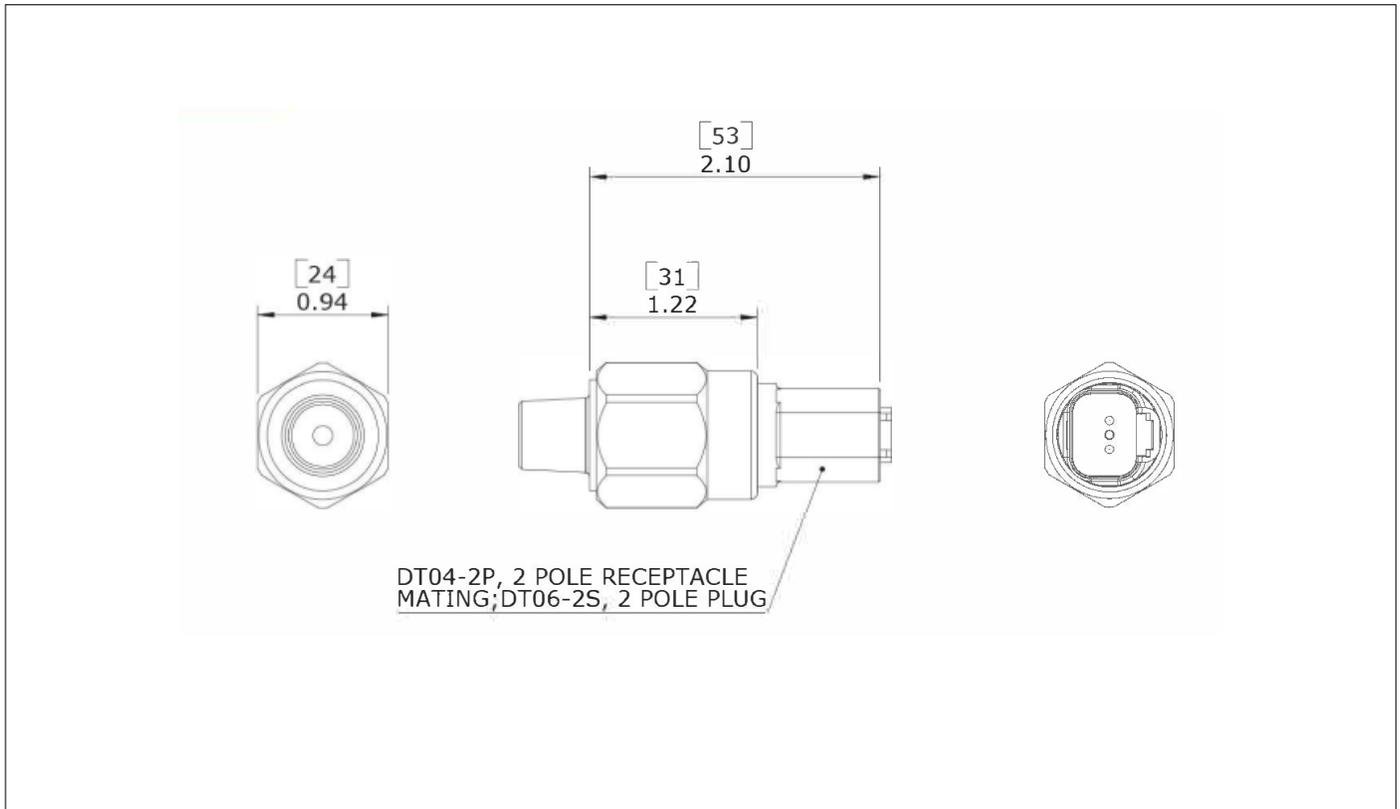
0.15 lbs (0.06 kg)

Available settings

22 psi ± 10%
35 psi ± 10%
40 psi ± 10%

*Other settings on Request, MOQ may apply

Dimensions



MPDF		
Series		
MPDF	OEM integrated pressure switch	
Pressure selection		
Adjustable range:	psi range	bar range
1	1.5 - 14.5	0.1 - 1.0
2	14.5 - 145	1.0 - 10
3	50 - 350	3.4 - 24
4	250 - 1000	17 - 69
5	500 - 2175	34 - 150
Thread option		
2M	1/8" NPT male	
4M	1/4" NPT male	
2G	1/8" BSPP male - G1/8	
4G	1/4" BSPP male - G1/4	
4S	7/16" - 20 SAE male with O-ring seal	
6S	9/16" - 18 SAE male with O-ring seal	
Circuit		
A	SPST (normally open)	
B	SPST (normally closed)	
Electrical termination		
DR	Integrated Deutsch Receptacle - Mates with DT06-2S	
Options		
1	FPM Diaphragm	
2	EPDM Diaphragm	
4	HNBR Diaphragm	
7	Gold contact 0.4 VA - 30 VDC	
20	Seal adjustment screw	

Configuration example 1:	MPDF	3	2M	A	DR	1
Configuration example 2:	MPDF	35R	M10	B	DR	2

Set point	Direction	bar range
xxx	R	PSI Rising pressure
xxx	F	PSI Falling pressure
xxx	BR	BAR Rising pressure
xxx	BF	BAR Falling pressure

Wiring code	
Contact	Deutsch receptacle
Common	PIN A
Normally closed	PIN B
Normally open	PIN B