

Adjustable diaphragm / piston pressure switch.

FT-PD4

Adjustable diaphragm / piston pressure switch with integrated DT04-2P connector. NO or NC contacts

MP - IN BRASS SP - ZINC-PLATED STEEL HP - ZINC-PLATED STEEL

250Vac

NO or NC

IP67

DT04-2P CONNECTOR

Diaphragm / Piston



Technical information

Technical description

The pressure switches of series FT-PD4 are ideal in mobile applications (agricultural machinery, earth moving machines, automotive etc...) as, thanks to the integrated connector DT04-2P, allow a secure and easy connection on-board machine ensuring a high general protection degree (IP67). They can be set in factory to the desired value or directly by the customer thanks to the possibility of having access to the regulation screw located in the center of the connector.

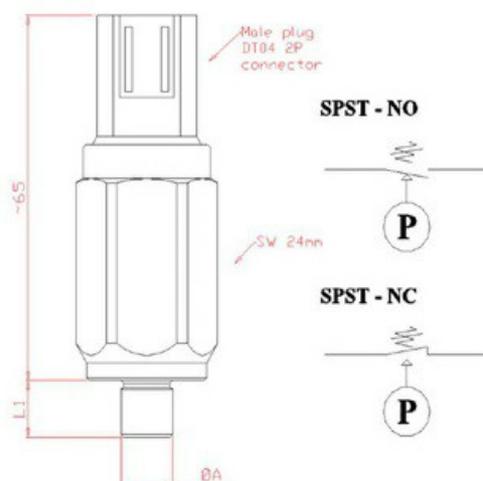
Materials

CORPO / BODY	Ottone/Brass (FT-PD4MP)
	Acciaio/Steel (FT-PD4SP/HP)
MEMBRANA / DIAPHRAGM	Di serie NBR /Standard NBR
PISTONE / PISTON	Acciaio + Guarnizione NBR / Steel + NBR gasket
CONTATTI ELETTRICI / ELECTRICAL CONTACTS	Argentati (dorati a richiesta) / Silver Plated (gold on request)

Technical data

CARICO ELETTRICO RESISTIVO	RESISTIVE ELECTRICAL LOAD
250Vac / 0,5A (standard)	250Vac / 0,5A (standard)
250Vac / 6A (a richiesta)	250Vac / 6A (on request)
48V / 100mA (con contatto dorato)	48V / 100mA (with gold contact)
MASSIMA PRESSIONE	MAX STATIC PRESSURE
80 Bar corpo in Ottone FT-PD4MP	80 Bar with brass body FT-PD4MP
300 Bar corpo in Acciaio/Membrana FT-PD4SP	300 Bar with steel body/diaphragm FT-PD4SP
600 Bar corpo in Acciaio/Pistone FT-PD4HP	300 Bar with steel body/piston FT-PD4HP
TEMPERATURA DI UTILIZZO	TEMPERATURE RANGE
-20 ÷ + 90 °C (con NBR standard)	-20 ÷ + 90 °C (with standard NBR)
VITA MECCANICA	MECHANICAL LIFE
10 ⁶ cicli	10 ⁶ cycles
GRADO DI PROTEZIONE	PROTECTION DEGREE
IP67	IP67
ISTERESI	HYSTERESIS
~15% del valore max di regolazione	~15% of max setting point

Dimensional tables and drawings



Adjusting range (BAR)

TIPO DI AZIONAMENTO / ACTUATION TYPE	CAMPO DI REGOLAZIONE (Bar) / ADJUSTING RANGE (Bar)	TOLLERANZA A 20° (Bar) / TOLERANCE AT 20° (Bar)
MEMBRANA / DIAPHRAGM	0,1 ÷ 1	± 0,08
MEMBRANA / DIAPHRAGM	0,2 ÷ 2	± 0,15
MEMBRANA / DIAPHRAGM	1,5 ÷ 10	± 0,8
MEMBRANA / DIAPHRAGM	9 ÷ 20	± 1
MEMBRANA / DIAPHRAGM	15 ÷ 50	± 2
MEMBRANA / DIAPHRAGM	40 ÷ 80	± 2,5
MEMBRANA / DIAPHRAGM	50 ÷ 100	± 5
PISTONE / PISTON	50 ÷ 150	± 8
PISTONE / PISTON	100 ÷ 250	± 10
PISTONE / PISTON	40 ÷ 300	± 15