



Electro-hydraulic pressure switches for hydraulic and pneumatic applications

FT-Q30

Miniature pressure switches with DIN 43650/A electric connection, IP65 protection degree (included). Zinc-plated steel + anodized aluminium body, SPDT contact

Carbon Steel / Aluminium

220Vac

SPDT

IP65

DIN 43650/A

Diaphragm / Piston



Technical information

Technical description

The new pressure switches of series FT-Q30.. consist of a flange with 1/8" or 1/4" male threaded connection (taper or parallel) in zinc plated steel, an anodized aluminum central body that houses a micro-switch of 250Vac/5A with SPDT contact, a DIN 43650/A connector with IP65 protection degree and regulation screw protected by a sealing plug. The new series FT-Q30 permits, thanks to the mechanical structure, the pressure switch setting when it is electrically connected to the implant (without necessarily disconnect the electrical connector to access to the screw regulation). The high strength, together with the modern and compact design, make this pressure switch suitable also for the application in small places, ensuring high reliability standards and endurance with heavy application. The pressure switch actuation by a diaphragm or a piston (depending on the regulation field) guarantees a wide adjustment range from 100mbar to 300Bar in relation to the chosen model.

Materials

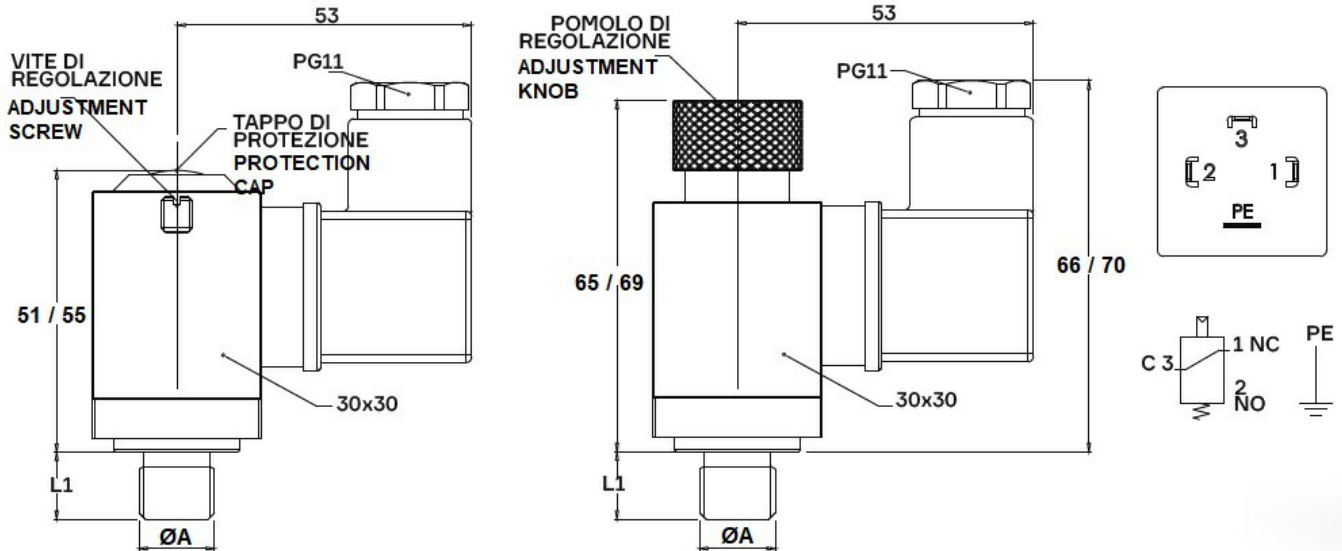
CORPO / BODY	Alluminio Anodizzato Nero / Black Anodized Aluminium
ATTACCO AL PROCESSO / THREADED FLANGE	Acciaio Zincato Trivalente / Zinc Plated
CONTATTI ELETTRICI / ELECTRICAL CONNECTION	Argentati / Silver Plated
	Dorato 48Vdc/100mA a richiesta / on demand

Technical data

TENSIONE MAX	SWITCHING RATING
250V ac	250V ac
CARICO ELETTRICO	MAX CURRENT
5A (standard)	5A (standard)
10A (a richiesta)	10A (on demand)
MASSIMA PRESSIONE	MAX STATIC PRESSURE
300 Bar (Membrana)	300 Bar (Diaphragm)
600 Bar (Pistone)	600 Bar (Piston)
TEMPERATURA DI UTILIZZO	TEMPERATURE RANGE
-20 ÷ + 110 °C	-20 ÷ + 110 °C
differenti a richiesta	other on demand
GRADO DI PROTEZIONE	PROTECTION DEGREE
IP65 - DIN 40050	IP65 - DIN 40050
ISTERESI	HYSTERESIS
< 25% valore di intervento	< 25% of 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	30 ÷ 250	± 10
PISTONE / PISTON	40 ÷ 300	± 15