

# Electro-hydraulic pressure switches for hydraulic and pneumatic applications

### **FT-Q30**

Miniature pressure switches wih 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**

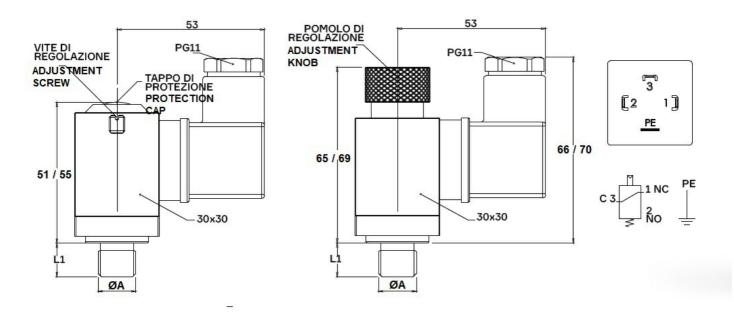
CORPO / BODY	Alluminio Anodizzato Nero / Black Anodized Aluminium	
ATTACCO AL PROCESSO / THREADED FLANGE	Acciaio Zincato Trivalente / Zinc Plated	
CONTATTI ELETTRICI / ELECTRICAL CONNECTION	Argentati / Silver Plated	
	Dorato 48Vdc/100mA a richiesta / on demand	

#### **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