

Adjustable diaphragm/piston pressure switch with adjusting screw

FT-P24SP

Sub-miniature pressure switches with push-on electric connection 6,3x0,8, IP00 protection degree (without cap) or IP54 (with cap FT-KT-011). Body in carbon steel

Carbon steel 48Vdc

NO or NC

IP54 PUSH-ON

Diaphragm / Piston



Technical information

Technical description

The pressure switches of the series FT-P24 can be supplied with particular customized configuration according to a specific technical demand of our esteemed customers. We can realize solutions with protection degree up to IP67, pressure switch setting in factory, filling with epoxy resin and electrical connection by a connecting cable (of the desired length), which can be free or wired with connector, also of automotive type, between the most common and used on the market (ex. AMP-DEUTSCH-DELPHI-METRIPACK) and according to customers specification. Other solutions that foresee the connector perfectly integrated in the protection caps can be evaluated.

Materials

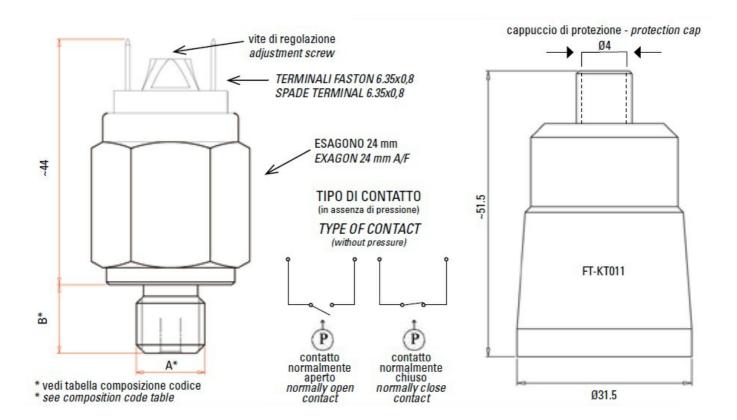
| CORPO / BODY | Acciaio Zincato / Zinc Plated Steel |
|--|--|
| MEMBRANA-GUARNIZIONE / DIAPHRAGM-GASKET | Di serie NBR / Standard NBR |
| CONTATTI ELETTRICI / ELECTRICAL CONNECTION | NA o NC Argentati / NO or NC Silver Plated |

Technical data

| TENSIONE MAX | SWITCHING RATING |
|---|---|
| 48V dc | 48V dc |
| CARICO ELETTRICO RESISTIVO | RESISTIVE ELECTRICAL LOAD |
| 0,5Amp | 0,5Amp |
| MASSIMA PRESSIONE | MAX STATIC PRESSURE |
| 300 Bar | 300 Bar |
| TEMPERATURA DI UTILIZZO | TEMPERATURE RANGE |
| -20 ÷ + 90 °C | -20 ÷ + 90 °C |
| GRADO DI PROTEZIONE | PROTECTION DEGREE |
| IP54 con cappuccio FT-KT011 | IP54 with protection cap FT-KT011 |
| A richiesta IP65 con cappuccio FT-KT012 | On demand IP65 with protection cap FT-KT012 |
| FREQUENZA MAX DI LAVORO | MAX WORKING FEREQUENCY |
| 30 cicli/min-10^5 interventi | 30 cycles/min-10^5 operating time |
| ISTERESI | HYSTERESIS |
| 3 ÷ 5% valore di taratura | 3 ÷ 5% of setting point |



Dimensional tables and drawings



Adjusting range (BAR)

| CAMPO DI REGOLAZIONE (Bar) / ADJUSTING RANGE (Bar) | TOLLERANZA A 20° (Bar) / TOLERANCE AT 20° (Bar)* |
|--|---|
| 0,2 ÷ 1 | ± 0,15% |
| 0,5 ÷ 2 | ± 0,2% |
| 1 ÷ 10 | ± 0,6% |
| 10 ÷ 20 | ± 1,5% |
| 20 ÷ 50 | ± 2% |
| 50 ÷ 200** | ± 5% |

^{*} Le tolleranze di intervento indicate sono riferite alle tarature effettuate in fabbrica

^{*} The toletances of set-point are referred to the settings made in factory

^{**} Azionamento con pistone in acciaio +guarnizione NBR

^{**} Steel piston+NBR gasket execution