



## Adjustable diaphragm/piston pressure switch

### FT-PR7SP

Miniature pressure switches with push-on electrical connection, IP65 protection degree ( with FT-KT-012 ). Zinc-plated body, SPDT contact.

**Carbon steel**

**220Vac**

**SPDT**

**IP65**

**PUSH-ON**

**Diaphragm / Piston**



## Technical information

### Technical description

Pressure switches of series FT-PR7 are the " cheaper " version of series FT-P27. They are equipped with the same solution with micro-switch but with push-on electric connection. They can be supplied with IP65 protection cap ( FT-KT-012 )

### Materials

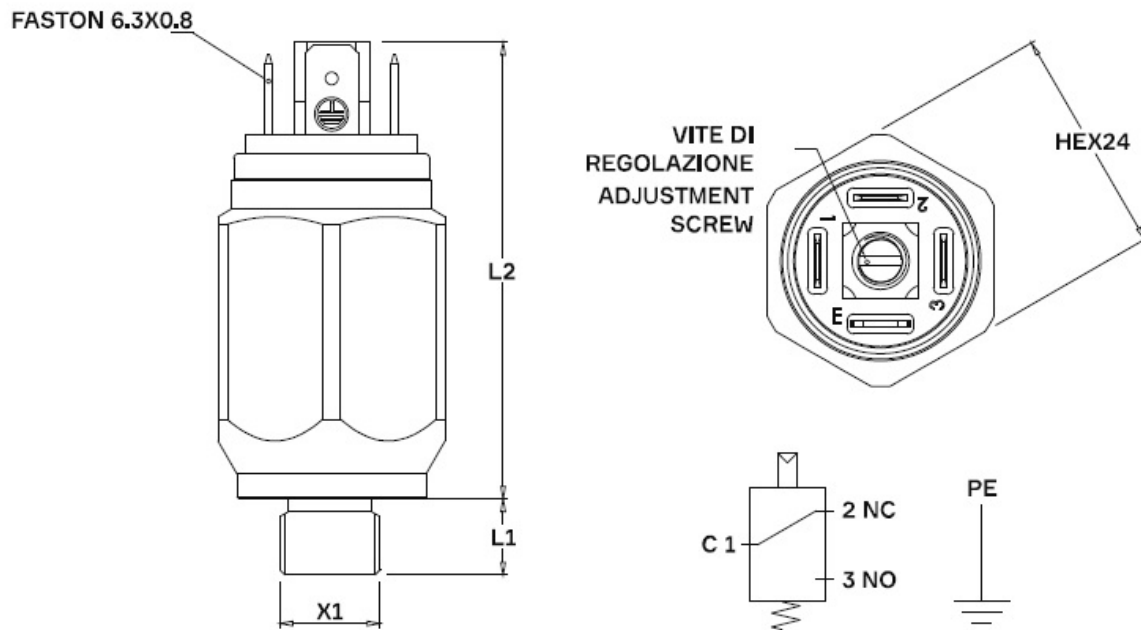
|   |  |
|---|--|
| <b>CORPO / BODY</b>                               | <b>Acciaio Zincato / Zinc Plated Steel</b> |
| <b>MEMBRANA-GUARNIZIONE / DIAPHRAGM-GASKET</b>    | <b>Di serie NBR / Standard NBR</b>         |
| <b>CONTATTI ELETTRICI / ELECTRICAL CONNECTION</b> | <b>SPDT Argentati / SPDT Silver Plated</b> |

### Technical data

|   |  |
|---|--|
| <b>TENSIONE MAX</b>                     | <b>SWITCHING RATING</b>                      |
| 250V dc                                 | 250V dc                                      |
| <b>CARICO ELETTRICO RESISTIVO</b>       | <b>RESISTIVE ELECTRICAL LOAD</b>             |
| 0,5Amp                                  | 0,5Amp                                       |
| <b>MASSIMA PRESSIONE</b>                | <b>MAX STATIC PRESSURE</b>                   |
| 180 Bar                                 | 180 Bar                                      |
| <b>TEMPERATURA DI UTILIZZO</b>          | <b>TEMPERATURE RANGE</b>                     |
| -20 ÷ + 90 °C                           | -20 ÷ + 90 °C                                |
| <b>VITA MECCANICA</b>                   | <b>MECHANICAL LIFE</b>                       |
| 10 <sup>6</sup> cicli                   | 10 <sup>6</sup> cycles                       |
| <b>VITA ELETTRICA</b>                   | <b>ELECTRICAL LIFE</b>                       |
| 10 <sup>5</sup> cicli                   | 10 <sup>5</sup> cycles                       |
| <b>GRADO DI PROTEZIONE</b>              | <b>PROTECTION DEGREE</b>                     |
| 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  |
| <b>FREQUENZA MAX DI LAVORO</b>          | <b>MAX WORKING FREQUENCY</b>                 |
| 30 cicli/min-10 <sup>5</sup> interventi | 30 cycles/min-10 <sup>5</sup> operating time |
| <b>ISTERESI</b>                         | <b>HYSTERESIS</b>                            |
| 10% valore di fondo scala               | 10% of full scale value                      |



## Dimensional tables and drawings



## Adjusting range (BAR)

| CAMPO DI REGOLAZIONE (Bar) /<br>ADJUSTING RANGE (Bar)                                     | TOLLERANZA A 20° (Bar) /<br>TOLERANCE AT 20° (Bar)* |
|---|---|
| 0,2 ÷ 1   | ± 0,15%   |
| 0,5 ÷ 2   | ± 0,2%  |
| 1,5 ÷ 10  | ± 0,6%  |
| 9 ÷ 20  | ± 1,5%  |
| 15 ÷ 50   | ± 2%  |
| 50 ÷ 100  | ± 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                |   |