Multi-EPC

... electronic Pressure Switch

Available in standard and DESINA version with rotatable casing and digital pressure display. Optional with one or two independant programmable threshold switches and an analog output to illustrate the pressure course.

**Technical data**

- Measuring principle: piezo-resistive
- Pressure type: relative pressure
- Standard output signal: 4 ... 20 mA / 0 ... 20 mA (selectable)
- DESINA output signal: 4 ... 20 mA
- Electrical measuring connector: 5-pole device plug, M12 x 1
- Mechanical measuring connector: ISO 228 – G ¼ A
- Protection type (EN 60529 / IEC 529): IP 67 (only if connector is screwed)
- Switching outputs: 2 Mosfet high side switch PNP
- Contact function: opener / closer
- Switching voltage (VDC): Supply voltage minus 1.5 VDC
- Switching current: max. 0.7 A / switch
- Short-circuit current: 2.4 A / switch
- Material casing / membrane: GD-ZnAl4Cu1 / 1.4542
- Weight: ~ 350 g
- Supply voltage U₀: 15 ... 30 VDC, nominal 24 VDC (ripple < 5 % Vₚₚ of U₀)
- Current consumption: < 100 mA
- Error limit (of final value): ± 0.5 %
- Response time: ≥ 10 ms
- Medium temperature: -20 ... +85 °C
- Environmental temperature: -20 ... +85 °C
- Storage temperature: -30 ... +100 °C
- Mounting orientation: arbitrary

**Versions and order numbers**

<table>
<thead>
<tr>
<th>Measuring range</th>
<th>Order number</th>
</tr>
</thead>
<tbody>
<tr>
<td>bar</td>
<td>MPa</td>
</tr>
<tr>
<td>---</td>
<td>---</td>
</tr>
<tr>
<td>0 ... 25</td>
<td>0 ... 2.5</td>
</tr>
<tr>
<td>0 ... 100</td>
<td>0 ... 10</td>
</tr>
<tr>
<td>0 ... 250</td>
<td>0 ... 25</td>
</tr>
<tr>
<td>0 ... 400</td>
<td>0 ... 40</td>
</tr>
<tr>
<td>0 ... 700</td>
<td>0 ... 70</td>
</tr>
</tbody>
</table>