

Electronic pressure switch with display

09/2017

Applications

- Machine tools
- Hydraulics and pneumatics
- Pumps and compressors
- Special-purpose machine building

Special features

- Easily-readable, robust display
- Intuitive and fast setup
- Easy and flexible mounting configurations
- Flexible configurable and scalable output signals



Order numbers

| Process connection | | G 1/4 A DIN EN ISO 1179-2 (formerly DIN 3852-E) | |
|-----------------------|-----------------|---|---|
| Sealing | | NBR | |
| Power supply | | DC 15 ... 35 V | |
| Output signal | | two switching outputs (PNP/NPN) | two switching outputs (PNP/NPN) + 4 ... 20 mA |
| Electrical connection | | circular connector M12 x 1 (4-pin) | circular connector M12 x 1 (5-pin) |
| Pressure ranges | -1 ... +1.5 bar | 14240394 | 14240449 |
| | -1 ... +3 bar | 14240400 | 14240463 |
| | -1 ... +9 bar | 14240402 | 14240467 |
| | -1 ... 0 bar | 14240381 | 14240469 |
| | 0 ... 1 bar | 14217011 | 14240471 |
| | 0 ... 2.5 bar | 14240409 | 14240472 |
| | 0 ... 4 bar | 14240414 | 14240474 |
| | 0 ... 6 bar | 14240416 | 14240476 |
| | 0 ... 10 bar | 14240418 | 14240481 |
| | 0 ... 16 bar | 14240422 | 14240486 |
| | 0 ... 25 bar | 14240424 | 14240488 |
| | 0 ... 40 bar | 14240427 | 14240490 |
| | 0 ... 60 bar | 14240428 | 14240492 |
| | 0 ... 100 bar | 14240430 | 14240493 |
| | 0 ... 160 bar | 14240434 | 14240494 |
| | 0 ... 250 bar | 14240436 | 14240495 |
| 0 ... 400 bar | 14240440 | 14240496 | |
| 0 ... 600 bar | 14241998 | 14242000 | |

Legend: available from stock in Germany available after production -- not available

Accessories



Instrument mounting bracket for PSD-4, aluminium, wall mounting

11467887

Further information see
data sheet PE 81.86

Quick order code (you can find further possible variants in data sheet PE 81.86)

| Field no. | Code | Version |
|---------------------------------------|-----------------------|---|
| Output signal/switching output | | |
| ① | 9 | 2 switching outputs (PNP/NPN) D 2 switching outputs (PNP/NPN) + 0 ... 10 V |
| | A | 1 switching output (PNP/NPN) + 4 ... 20 mA E 1 switching output (PNP/NPN) + 4 ... 20 mA / 0 ... 10 V |
| | B | 1 switching output (PNP/NPN) + 0 ... 10 V F 2 switching outputs (PNP/NPN) + 4 ... 20 mA / 0 ... 10 V |
| | C | 2 switching outputs (PNP/NPN) + 4 ... 20 mA |
| IO-Link | | |
| ② | Z | without |
| | 1 | IO-Link 1.1 |
| Measuring range | | |
| ③ | BG240 | 0 ... 0.4 bar BV310 -1 ... 0 bar |
| | BG260 | 0 ... 0.6 bar BV316 -1 ... +0.6 bar |
| | BG310 | 0 ... 1 bar BV325 -1 ... +1.5 bar |
| | BG316 | 0 ... 1.6 bar BV340 -1 ... +3 bar |
| | BG325 | 0 ... 2.5 bar BV360 -1 ... +5 bar |
| | BG340 | 0 ... 4 bar BV410 -1 ... +9 bar |
| | BG360 | 0 ... 6 bar BV416 -1 ... +15 bar |
| | BG410 | 0 ... 10 bar BV425 -1 ... +24 bar |
| | BG416 | 0 ... 16 bar |
| | BG425 | 0 ... 25 bar |
| | BG440 | 0 ... 40 bar |
| | BG460 | 0 ... 60 bar |
| | BG510 | 0 ... 100 bar |
| | BG516 | 0 ... 160 bar |
| | BG525 | 0 ... 250 bar |
| | BG540 | 0 ... 400 bar |
| | BG560 | 0 ... 600 bar |
| | BG610 | 0 ... 1,000 bar |
| Process connection | | |
| ④ | GD | G ½ B EN 837 |
| | GT | G ½ A DIN EN ISO 1179-2 (formerly DIN 3852-E) |
| | GB | G ¼ B EN 837 |
| | HD | G ¼ A DIN EN ISO 1179-2 (formerly DIN 3852-E) |
| | TB | G ¼ female |
| | JS | G ¼ female (Ermeto compatible) |
| | ND | ½ NPT |
| | NB | ¼ NPT |
| | RE | R ¼ ISO 7 |
| | PE | PT ¼ |
| 86 | G ½ B flush diaphragm | |
| Sealing | | |
| ⑤ | 1 | NBR |
| | L | FPM/FKM |
| | C | Copper |
| | S | Stainless steel |
| | Z | without |

Order code: PSD-4 - - - Z-WW-ZZ