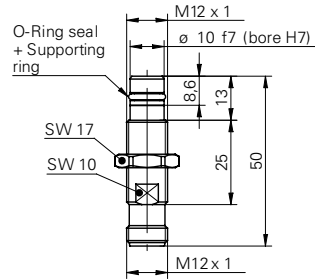


Inductive sensors special versions

IFRP 12P1501/S14

dimension drawing



general data

| | |
|--------------------------------|---------------------|
| mounting type | flush |
| special type | high pressure |
| nominal sensing distance S_n | 2 mm |
| hysteresis | 2 ... 20 % of S_r |

electrical data

| | |
|------------------------------------|------------------------|
| switching frequency | < 5 kHz |
| voltage supply range +Vs | 10 ... 30 VDC |
| current consumption max. (no load) | 12 mA |
| output circuit | PNP make function (NO) |
| voltage drop V_d | < 2 VDC |
| output current | < 200 mA |
| short circuit protection | yes |
| reverse polarity protection | yes |

mechanical data

| | |
|----------------------------|----------------------|
| type | cylindrical threaded |
| material (sensing face) | ceramic |
| housing material | stainless steel |
| peak pressure | 1000 bar |
| operating pressure static | < 500 bar |
| operating pressure dynamic | < 350 bar |
| dimension | 12 mm |
| housing length | 50 mm |
| connection types | connector M12 |

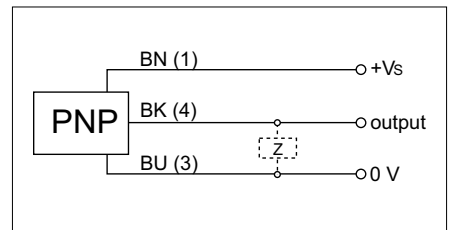
ambient conditions

| | |
|-----------------------|--------------------------------|
| operating temperature | -25 ... +80 °C |
| protection class | IP 68/67 (sensing face/sensor) |

photo



connection diagram



installation drawing

