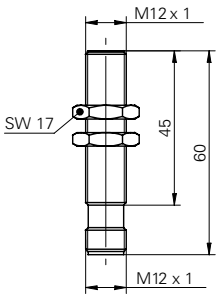
# Inductive linear sensors

# IWRM 12Z8704/S14C/IO

## dimension drawing




| general data | |
|---|---|
| mounting type | quasi shielded |
| special type | 2 adjust. switching points |
| measuring distance Sd | 0 ... 4 mm |
| resolution | < 0,005 mm (stat.)<br>< 0,005 mm (dynam.) |
| repeat accuracy | < 0,01 mm |
| adjustment | external Teach-in and IO-Link |
| linearity error | ± 16 µm |
| temperature drift | ± 5 % (Full Scale) |

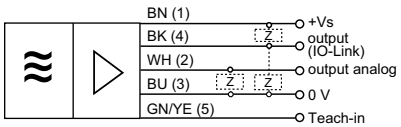
| electrical data | |
|---|---|
| response time (factory characteristic) | < 2,5 ms |
| response time (teach in characteristic) | < 3,1 ms |
| voltage supply range +Vs | 18 ... 30 VDC |
| current consumption max. | 2,4E-005 mA |
| output circuit | voltage output / PNP |
| output signal | 0 ... 10 VDC |
| load resistance | > 1000 Ohm |
| output current | < 200 mA (PNP) |
| voltage drop Vd | < 2 VDC (PNP) |
| short circuit protection | yes |
| reverse polarity protection | yes |
| baud rate | 38400 |

| mechanical data | |
|---|---|
| type | cylindrical threaded |
| housing material | brass nickel plated |
| housing length | 60 mm |
| connection types | connector M12 |

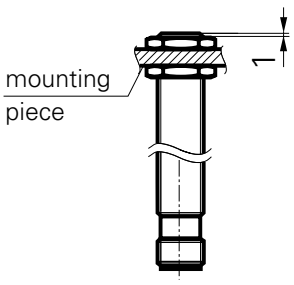
| ambient conditions | |
|---|---|
| operating temperature | -10 ... +70 °C |
| protection class | IP 67 |

## photo

## connection diagram




## installation drawing




IO-Link

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- external Teach-in
- Integrated Analog- and switching output
- Linear analog output
- IO-Link: Measuring range, switching window, absolute/relative teach-in, service status, object presence, temperature compensation on/off