

IWRM 08U9501

Inductive distance measuring sensors

Article number: 10146516

overview

- 0 ... 2 mm
- voltage output
- cable, 2 m
- 10 ... 60 °C
- IP 67



Technical data

general data

|                       |                                           |
|-----------------------|-------------------------------------------|
| mounting type         | quasi-flush                               |
| measuring distance Sd | 0 ... 2 mm                                |
| resolution            | < 0,001 mm (stat.)<br>< 0,005 mm (dynam.) |
| repeat accuracy       | < 0,02 mm                                 |
| linearity error       | ± 100 µm                                  |
| temperature drift     | ± 5 % (Full Scale)                        |

electrical data

|                                        |                |
|----------------------------------------|----------------|
| response time (factory characteristic) | < 0,5 ms       |
| voltage supply range +Vs               | 15 ... 30 VDC  |
| current consumption max. (no load)     | 25 mA          |
| output circuit                         | voltage output |

electrical data

|                             |              |
|-----------------------------|--------------|
| output signal               | 0 ... 10 VDC |
| load resistance             | > 1000 Ohm   |
| short circuit protection    | yes          |
| reverse polarity protection | yes          |

mechanical data

|                        |                      |
|------------------------|----------------------|
| type                   | cylindrical threaded |
| housing material       | stainless steel      |
| dimension              | 8 mm                 |
| housing length         | 40 mm                |
| connection types       | cable, 2 m           |
| tightening torque max. | 10 Nm (Front: 7 Nm)  |

ambient conditions

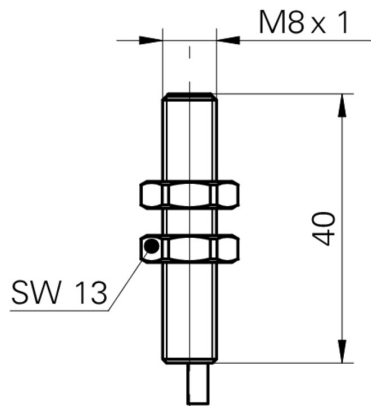
|                       |               |
|-----------------------|---------------|
| operating temperature | 10 ... +60 °C |
| protection class      | IP 67         |

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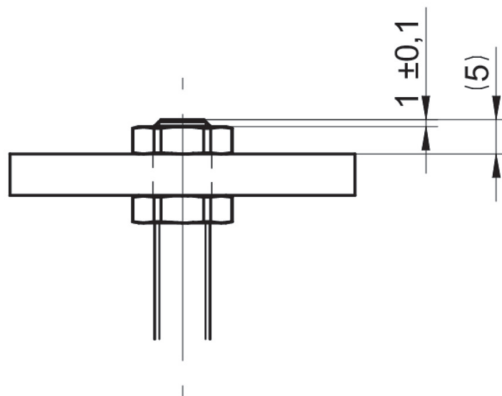
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### dimension drawing



### installation drawing



### connection diagram

