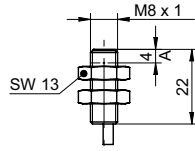


Inductive distance measuring sensors

IR08.D03S-11141036

dimension drawing



general data

| | |
|-----------------------|--|
| mounting type | quasi-flush |
| measuring distance Sd | 0 ... 3 mm |
| resolution | < 0,001 mm (stat.) < 0,01 mm (dynam.) |
| repeat accuracy | < 0,02 mm |
| linearity error | - 0 µm / + 270 µm (S = 0,2 ... 1,7 mm) - 150 µm / + 900 µm (S = 0 ... 3 mm) |
| temperature drift | ± 4 % (Full Scale; 0 ... +60 °C) ± 6 % (Full Scale; -25 ... +75 °C) |

electrical data

| | |
|--|----------------|
| response time (factory characteristic) | < 0,5 ms |
| voltage supply range +Vs | 12 ... 36 VDC |
| current consumption max. (no load) | 10 mA |
| output circuit | voltage output |
| output signal | 0 ... 10 VDC |
| load resistance | > 4000 Ohm |
| short circuit protection | yes |
| reverse polarity protection | yes |

mechanical data

| | |
|------------------------|----------------------|
| type | cylindrical threaded |
| housing material | stainless steel |
| dimension | 8 mm |
| housing length | 22 mm |
| connection types | cable, 2 m |
| tightening torque max. | 10 Nm (A: 7 Nm) |

ambient conditions

| | |
|-----------------------|----------------|
| operating temperature | -25 ... +75 °C |
| protection class | IP 67 |

photo



connection diagram

