

IWRM 08I9501/S35

Inductive distance measuring sensors

Article number: 10145391

overview

- 0 ... 2 mm
- current output
- connector M8
- 10 ... 60 °C
- IP 67



Technical data

general data

mounting type	quasi-flush
measuring distance Sd	0 ... 2 mm
resolution	< 0,001 mm (stat.) < 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)	35 mA
output circuit	current output
output signal	0 ... 10 mA

electrical data

load resistance +Vs min.	< 910 Ohm
load resistance +Vs max.	< 2400 Ohm
short circuit protection	yes
reverse polarity protection	yes

mechanical data

type	cylindrical threaded
housing material	stainless steel
dimension	8 mm
housing length	46 mm
connection types	connector M8
tightening torque max.	10 Nm (Front: 7 Nm)

ambient conditions

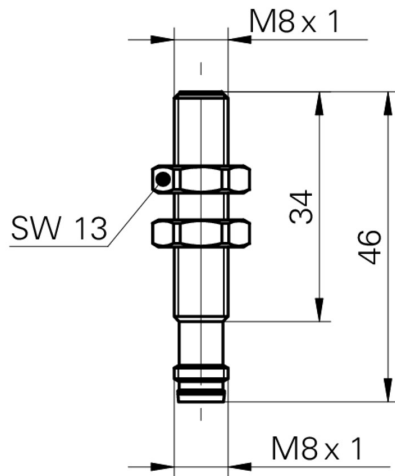
operating temperature	10 ... +60 °C
protection class	IP 67

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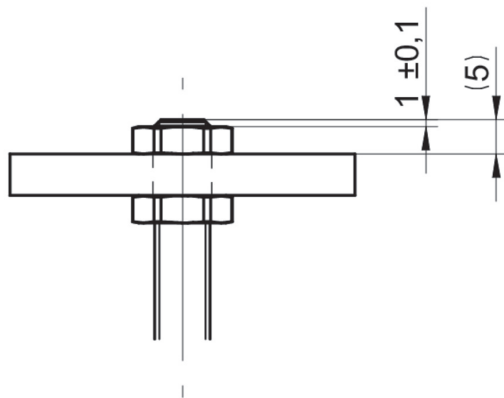
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dimension drawing



installation drawing



connection diagram

