

## IWRM 18I9704/S14

Inductive distance measuring sensors

Article number: 10153222

### overview

- 0 ... 8 mm
- current output
- connector M12
- -10 ... 70 °C
- IP 67



### Technical data

#### general data

mounting type	quasi-flush
measuring distance Sd	0 ... 8 mm
resolution	< 0,005 mm (stat.) < 0,01 mm (dynam.)
repeat accuracy	< 0,015 mm
linearity error	± 400 µm
temperature drift	± 5 % (Full Scale)

#### electrical data

response time (factory characteristic)	< 2 ms
voltage supply range +Vs	15 ... 30 VDC
current consumption max. (no load)	20 mA
output circuit	current output
output signal	4 ... 20 mA

#### electrical data

load resistance +Vs min.	< 330 Ohm
load resistance +Vs max.	< 1000 Ohm
short circuit protection	yes
reverse polarity protection	yes

#### mechanical data

type	cylindrical threaded
housing material	brass nickel plated
dimension	18 mm
housing length	60 mm
connection types	connector M12
tightening torque max.	40 Nm (Front: 28 Nm)

#### ambient conditions

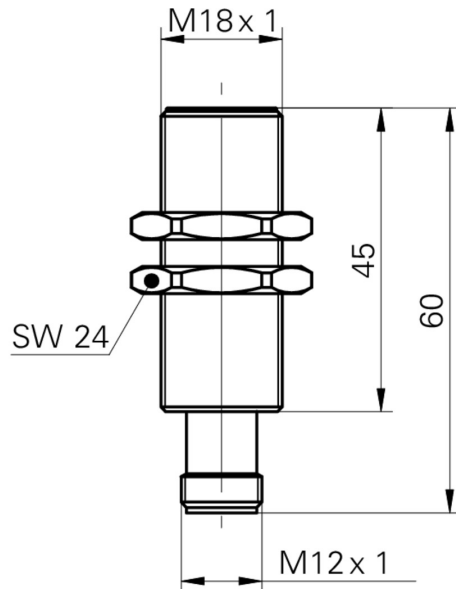
operating temperature	-10 ... +70 °C
protection class	IP 67

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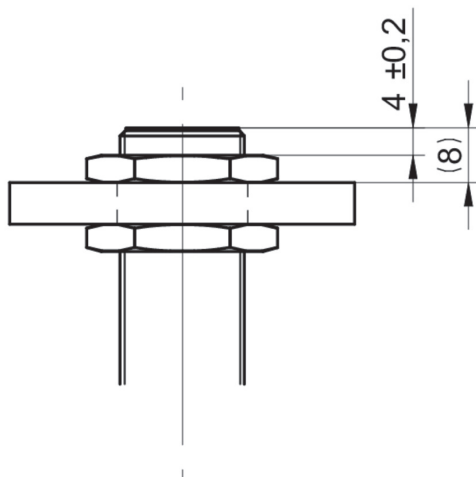
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### dimension drawing



### installation drawing



### connection diagram

