

## IWRM 30Z8704/S14C

Inductive distance measuring sensors - linearized

Article number: 10161182

### overview

- 0 ... 16 mm
- voltage output / PNP
- external Teach-in
- connector M12
- -10 ... 70 °C
- IP 67



### Technical data

#### general data

mounting type	quasi-flush
special type	2 adjust. switching points linearized
measuring distance Sd	0 ... 16 mm
resolution	< 0,01 mm (stat.) < 0,01 mm (dynam.)
repeat accuracy	< 0,015 mm
adjustment	external Teach-in
linearity error	± 160 µm
temperature drift	± 5 % (Full Scale; S = 0 ... 14 mm) ± 10 % (Full Scale; S = 0 ... 16 mm)
output indicator	LED red
Teach-Feedback	LED yellow

#### electrical data

response time (factory characteristic)	< 2,5 ms
response time (teach in characteristic)	< 3,1 ms
voltage supply range +Vs	15 ... 30 VDC

### remarks

- external Teach-in
- integrated analog- and switching output
- linear analog output

#### electrical data

current consumption max. (no load)	20 mA
output circuit	voltage output / PNP
output signal	0 ... 10 VDC
load resistance	> 1000 Ohm
output current	< 10 mA (PNP)
voltage drop Vd	< 5 VDC (PNP)
short circuit protection	yes
reverse polarity protection	yes

#### mechanical data

type	cylindrical threaded
housing material	brass nickel plated
dimension	30 mm
housing length	62 mm
connection types	connector M12

#### ambient conditions

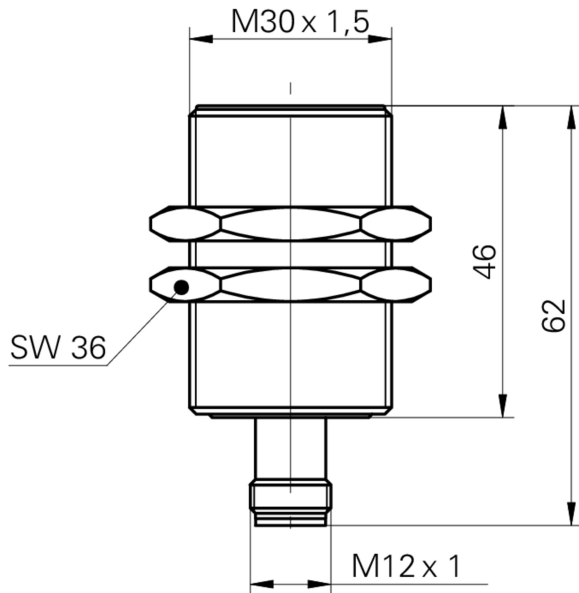
operating temperature	-10 ... +70 °C
protection class	IP 67

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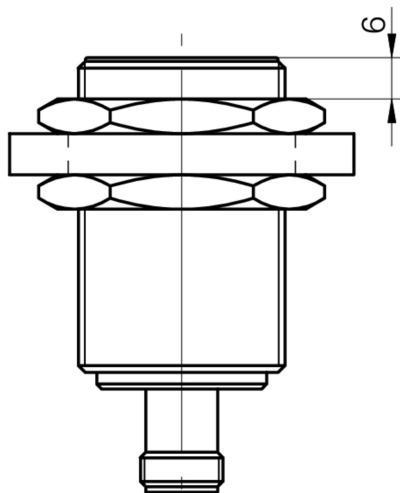
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### dimension drawing



### installation drawing



### connection diagram

