

IWRM 18I9511

Inductive distance measuring sensors

Article number: 10230046

overview

- 2 ... 5 mm
- current output
- cable, 2 m
- 60 °C
- IP 67



Technical data

general data

mounting type	flush
measuring distance Sd	2 ... 5 mm
reference distance	3,25 ... 3,75 mm
measuring speed	< 1 mm / ms
repeat accuracy	< 0,02 mm
linearity error	± 100 µm
temperature coefficient	1 µm / (K mm)

electrical data

voltage supply range +Vs	15 ... 30 VDC
current consumption max. (no load)	35 mA
output circuit	current output
output signal	4 ... 20 mA
load resistance +Vs min.	< 500 Ohm

electrical data

load resistance +Vs max.	< 1000 Ohm
residual output ripple	< 0,5 % Vs
short circuit protection	yes
reverse polarity protection	yes

mechanical data

type	cylindrical threaded
housing material	brass nickel plated
dimension	18 mm
housing length	31,5 mm
connection types	cable, 2 m
tightening torque max.	40 Nm (Front: 28 Nm)

ambient conditions

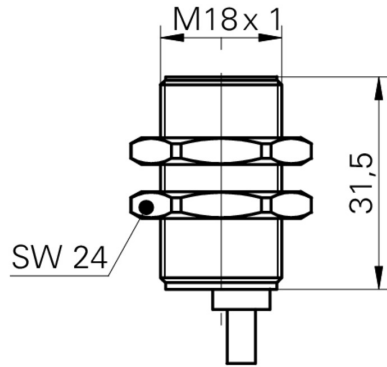
operating temperature	0 ... +60 °C
protection class	IP 67

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dimension drawing



connection diagram

