IWRM 30U9502

Inductive distance measuring sensors

Article number: 10243233

overview

- 5 … 9 mm
- voltage output
- cable, 2 m
- 60 °C
- IP 67

Technical data

general data	
mounting type	flush
measuring distance Sd	5 … 9 mm
reference distance	6,7 … 7,3 mm
measuring speed	< 1,5 mm / ms
repeat accuracy	< 0,02 mm
linearity error	± 150 µm
temperature coefficient	1 µm / (K mm)
electrical data	
voltage supply range +Vs	15 … 30 VDC
current consumption max. (no load)	20 mA
output circuit	voltage output
output signal	1 ... 9 VDC
load resistance	> 1000 Ohm

electrical data	
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	30 mm
housing length	60 mm
connection types	cable, 2 m
tightening torque max.	200 Nm (Front: 140 Nm)
ambient conditions	
operating temperature	0 … +60 °C
protection class	IP 67

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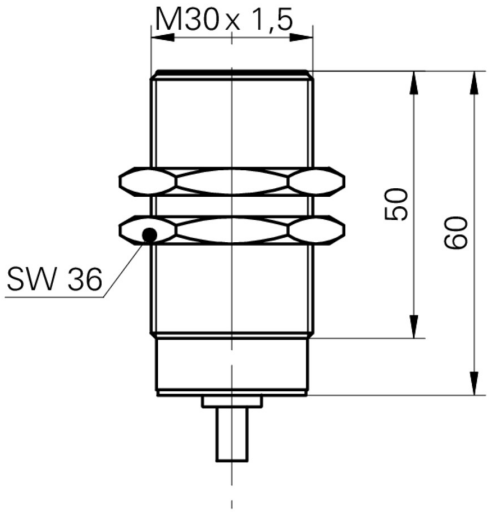
dimension drawing



connection diagram