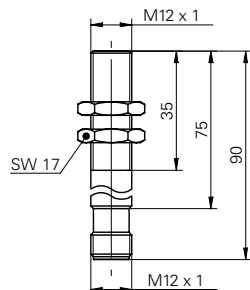


High precision analog sensors

IPRM 12I9505/S14

dimension drawing



general data

mounting type	quasi shielded
measuring speed	< 1 mm / ms
measuring distance Sd	0 ... 2 mm
resolution	< 0,0001 mm
linearity error	± 60 µm
repeat accuracy S = 0 ... 1 mm	< 1 µm
repeat accuracy S = 0 ... 2 mm	< 5 µm
temperature drift S = 0 ... 1 mm	± 10 µm
temperature drift S = 1 ... 2 mm	± 40 µm

electrical data

voltage supply range +Vs	12 ... 30 VDC
current consumption max.	20 mA
output circuit	current output
output signal	0 ... 20 mA
load resistance +Vs min.	< 100 Ohm
load resistance +Vs max.	< 330 Ohm
zero point offset	< 0,3 mA
voltage drop Vd	< 7 VDC
short circuit protection	yes
reverse polarity protection	yes

mechanical data

connection types	connector M12
type	cylindrical threaded
dimension	12 mm
housing length	90 mm
housing material	steel (9 SMn (Pb) 28/36)

ambient conditions

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

photo



connection diagram

