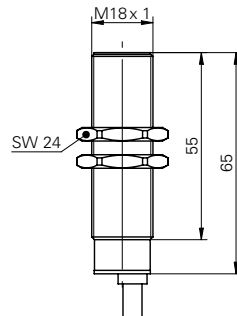


Inductive linear sensors

IWRM 18I9501

dimension drawing



general data

mounting type	flush
measuring distance S_d	2 ... 5 mm
reference distance	3,25 ... 3,75 mm
measuring speed	< 1 mm / ms
repeat accuracy	< 0,02 mm
linearity error	$\pm 100 \mu\text{m}$
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
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	65 mm
connection types	cable, 2 m

ambient conditions

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

photo



connection diagram

