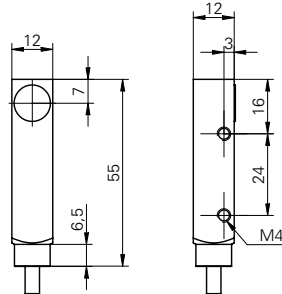


Inductive linear sensors

IWFM 12U9501/O1

dimension drawing



general data

mounting type	flush
measuring distance S_d	1 ... 2 mm
reference distance	1,35 ... 1,65 mm
measuring speed	< 0,5 mm / ms
repeat accuracy	< 0,02 mm
linearity error	$\pm 80 \mu\text{m}$
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
residual output ripple	< 0,5 % Vs
short circuit protection	yes
reverse polarity protection	yes

mechanical data

type	rectangular
housing material	brass nickel plated
dimension	12 mm
housing length	55 mm
connection types	cable, 2 m

ambient conditions

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

photo



connection diagram

