

Inductive proximity sensors
Inductive sensor, DC 3-wire

IM12-06BPS-NC1



Model Name > [IM12-06BPS-NC1](#)
Part No. > [6027572](#)



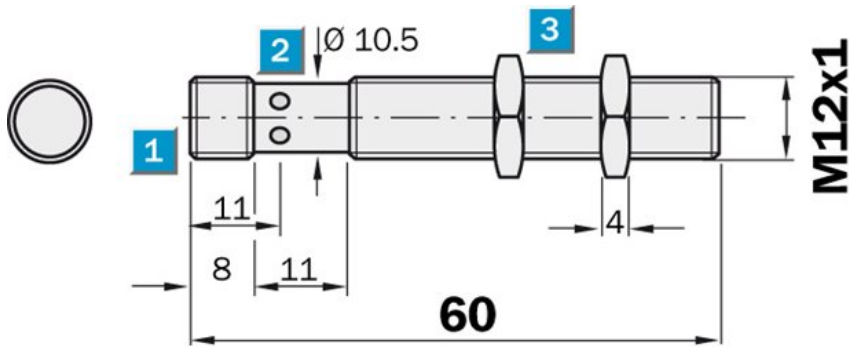
Technical data

Design:	Cylinder with thread
Thread size:	M12 x 1
Length:	60 mm
Supply voltage:	DC 10 ... 30 V
Ripple:	≤ 20 % (of U_b)
Power consumption:	≤ 12 mA
Continuous current:	≤ 200 mA
Hysteresis min ... max (of sr):	1 % ... 15 %
Reproducibility:	(U_b and T_a constant), ≤ 5 % (of sr) (U_b and T_a constant)
Temperature drift (of sr):	≤ 10 %
EMC:	according to EN 60947-5-2
Short-circuit protection (pulsed):	✓
Reverse polarity protection:	✓
Power-up pulse suppression:	✓
Enclosure rating:	IP68, IP 69K
Ambient temperature min ... max:	-25 °C ... +85 °C
Tightening torque:	10 Nm
Time delay before availability:	≤ 300 ms
Housing material:	Stainless steel V4A 1.4404, 316L
Voltage drop:	≤ 2 V (at I_a max)

Product features

Max. sensing range:	6 mm
Installation in metal:	Flush
Output function:	Normally open
Switching frequency:	400 Hz
Connection type:	Connector, M12, 4-pin
Switching output:	PNP

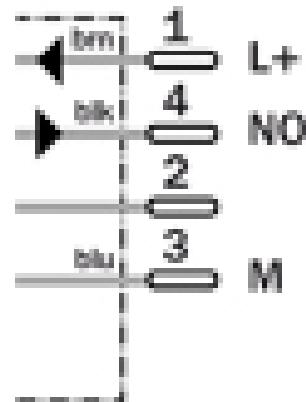
Dimensional drawing



Connection type



Connection diagram



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