



Inductive proximity sensors
Inductive sensor, DC 3-wire

IM12-04BPS-ZR0



Model Name > [IM12-04BPS-ZR0](#)
Part No. > [6036807](#)



Product features

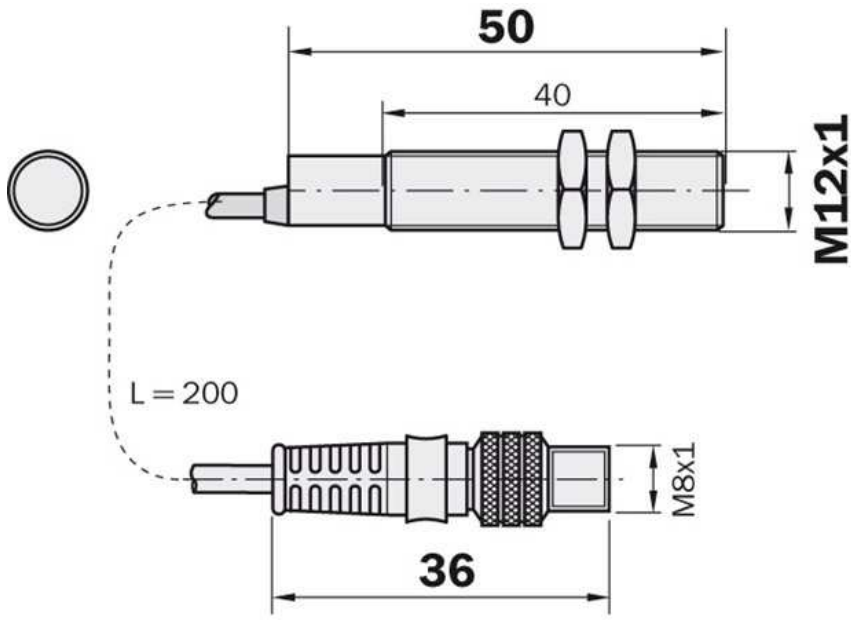
Series:	IM12
Max. sensing range:	4 mm
Installation in metal:	Flush
Output type:	PNP
Output function:	Normally open
Switching frequency:	1,000 Hz
Connection type:	Cable with plug, M8, 3-pin, w. knurled screws, 200 mm

Technical data

Design::	Cylinder with thread
Thread size:	M12 x 1
Length::	65 mm
Supply voltage::	DC 10 ... 30 V
Ripple:	$\leq 10\%$ ¹⁾
Voltage drop:	2 ²⁾
Power consumption:	≤ 10 mA
Continuous current::	200
Time delay before availability::	≤ 100 ms
Hysteresis min ... max (of sr)::	1 15
Repeatability:	$\leq 5\%$ (U_b and T_a constant) ³⁾
Temperature drift (of sr)::	$\pm 10\%$
EMC:	According to EN 60947-5-2
Short-circuit protection (pulsed)::	1
Reverse polarity protection:	1
Power-up pulse protection:	1
Ambient temperature min ... max::	-25 °C ... +70 °C
Housing material:	Brass nickel-plated, plastic
Max. tightening torque:	10 Nm
Enclosure rating::	IP 67 ⁴⁾

¹⁾ Of U_b ²⁾ At I_a max ³⁾ Of sr ⁴⁾ According to EN 60529

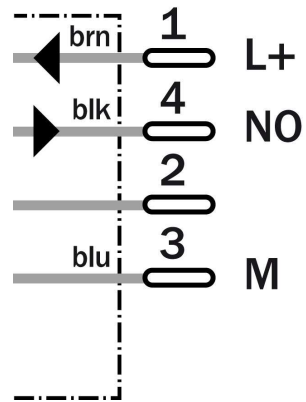
Dimensional drawing



Connection type



Connection diagram



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