

IB1109	
Inductive proximity sensor	
Metal thread M12 x 1.0	
M12 Socket	
Size 60mm	
Gold-plated contact	
Sensing range 4mm[f]	
Flush	

Electric design	DC 3 Wire
Output	PNP NO
Operating voltage [V]	10...36 DC
Current loading [mA]	100
Short-circuit protection	Yes
Reverse polarity protection	Yes
Overload protection	Yes
Voltage drop [V]	<2.5
Consumed current[mA]	<15
Real sensing range [mm]	4±10%
Operating range [mm]	0...3.2
Switch-point drift [%/Sr]	-10...10
Hysteresis [%/Sr]	3...20
Switching frequency [Hz]	1000

Adjustment factors	Low carbon steel=1 /Stainless steel approx 0.7 /Brass approx 0.5 / Alumium approx 0.4 / Copper approx 0.3
Operating temperature [°C]	-40...75 / -40...167
Ambient humidity	35...95
Protection classification	IP67

Dimension	
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Housing material	Stainless steel , Sensing face: PBT
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Switching state display LED	Red (90°)(90°)
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Connection	M12 Socket
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Wiring	
Core color	
BN +	
BU -	
BK Signal Line	

Accessory(Included)	Two fixed nuts
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