

IB1120	
Inductive proximity sensor	
Metal thread M12 x 1.0	
Cable	
Size 55mm	
Sensing range 6mm[f]	
Non-Flush	

Electric design	DC 2 Wire
Output	NC
Operating voltage [V]	10...36 DC
Current loading [mA]	100
Short-circuit protection	Yes
Reverse polarity protection	Yes
Overload protection	Yes
Voltage drop [V]	<4
Consumed current[mA]	<0.6
Real sensing range [mm]	6±10%
Operating range [mm]	0...4.8
Switch-point drift [%/Sr]	-10...10
Hysteresis [%/Sr]	3...20
Switching frequency [Hz]	700

Adjustment factors	Low carbon steel=1 /Stainless steel approx 0.7 /Brass approx 0.5 / Alumium approx 0.4 / Copper approx 0.3
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Operating temperature [°C]	-25...75
Ambient humidity	35...95

Protection classification	IP67
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Dimension	
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Housing material	Stainless steel , Sensing face: PBT
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Switching state display LED	Red (90°)
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Connection	PVC-Cable /2m;3x0.14mm <sup>2</sup>
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Wiring	
Core color	
BN +	
BU -	
BK Signal Line	

Accessory(Included)	Two fixed nuts
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