

<p>IA1009 Inductive proximity sensor Metal thread M8 x 1.0 Socket Size 50.4mm Sensing range 1.5mm[nf] Non-flush</p>	
Electric design	DC PNP
Output	
Operating voltage [V]	10...36 DC
Current loading [mA]	100
Short-circuit protection	Yes
Reverse polarity protection	Yes
Overload protection	Yes
Voltage drop [V]	< 1
Leakage current[mA]	< 0.8(24VDC)
Real sensing range [mm]	1.5±10%
Operating range [mm]	0...1.2
Switch-point drift [%/Sr]	-10...10
Hysteresis [%/Sr]	1...15
Switching frequency [Hz]	1500
ESD[KV]	6kV III
EFT[KV]	2kV III
Walkie talkie experiment[mm]	<1
Adjustment factors	Low carbon steel=1 /Stainless steel approx 0.7 /Brass approx 0.4 / Alumium approx 0.3 / Copper approx 0.2
Operating temperature [°C]	-25°C...80°C
Protection classification	IP67
Notes	The safety function of products must be checked after suffering short-circuit
Dimension	
Housing material	Stainless steel; Sensing face: PBT+GF
Switching state display LED	Red (90°)
Connection	M8 Socket
Wiring Core color BN + BU - BK Signal Line	
Accessory(Included)	Two fixed nuts