

Inductive V3 Proximity Sensor																		
	PNP Normally Open	IPO-002-VSF-LF																
	NPN Normally Open		INO-002-VSF-LF															
	Common Data																	
Mounting	Shielded	Shielded																
Rated Operating Distance Sn	2mm	2mm																
Assured Operating Distance Sn	0...1.6	0...1.6																
Repeatability	<= 5	<= 5																
Hysteresis	<= 15	<= 15																
Function Indication	Yes	Yes																
Ambient Tempreture Range	-25...+70	-25...+70																
Polution Degree	3	3																
IEC-Code	I1D10AP1	I1D10AN1																
Time delay before availability	<= 50	<= 50																
Mechanical Data																		
Housing Size	mm	mm																
Measurements BxHxT or DxT	mm	mm																
Housing Material	PBTP 20%GV	PBTP 20%GV																
Material Sensing Face	PBTP 20%GV	PBTP 20%GV																
Degree of Protection	IP65	IP65																
Connection	Cable	Cable																
Cable Type	LiYY-O	LiYY-O																
Electrical Data																		
Current Type	DC	DC																
Wiring	3-Wire	3-Wire																
Switching Function	Normally-Open	Normally-Open																
Output Signal	PNP	NPN																
Rated Operational Voltage	V	V																
Rated Operational Current	mA	mA																
Supply Voltage	V	V																
Ripple	%	%																
Rated Supply Frequency	Hz	Hz																
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Minimum Operational Current	mA	mA																
No-Load Supply Current	mA	mA																
Off-State Current	μA	μA																
Voltage Drop	V	V																
Short Circuit Protection	Yes	Yes																
Reverse Polarity Protection	Yes	Yes																
Connection	3m 3w PVC cable	3m 3w PVC Cable																
EMV - ESD/RFI/Burst/IVW																		
Sensing Factors	<table><tr><td>Material</td><td>Factor</td></tr><tr><td>steel</td><td>1.0</td></tr><tr><td>copper</td><td>0.25...0.45</td></tr><tr><td>brass</td><td>0.35...0.50</td></tr><tr><td>aluminum</td><td>0.30...0.45</td></tr><tr><td>stainless steel</td><td>0.60...1.00</td></tr><tr><td>nickel</td><td>0.65...0.75</td></tr><tr><td>cast iron</td><td>0.93...1.05</td></tr></table>		Material	Factor	steel	1.0	copper	0.25...0.45	brass	0.35...0.50	aluminum	0.30...0.45	stainless steel	0.60...1.00	nickel	0.65...0.75	cast iron	0.93...1.05
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