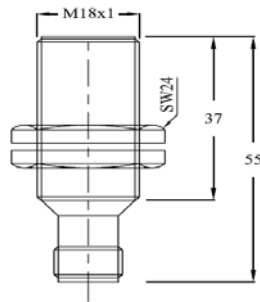


# Inductive Proximity Sensors

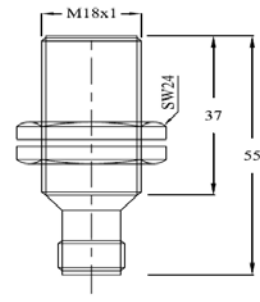
DC Standard



## Dimensions



## Dimensions



## Technical Data

	Model	IPS-C28-212L IPS-C28-212N	IPS-C28-222L IPS-C28-222N
<b>General specifications</b>			
Switching output		PNP, N/O PNP, N/C	NPN, N/O NPN, N/C
Rated Operating Distance	Sn	5mm ± 10%	5mm ± 10%
Installation		Flush	Flush
<b>Nominal Ratings</b>			
Supply Voltage	Ue	10-30 Vdc	10-30 Vdc
Frequency of Operating cycle	f	500 Hz	500 Hz
Hysteresis/Differential travel	H	<10%	<10%
Rated operating current	Ie	200 mA	200 mA
No-load supply current	Io	< 15 mA	< 15 mA
Voltage drop	Ud	< 2.2Vdc	< 2.2Vdc
OFF state current	Ir	< 0.1mA	< 0.1mA
Rated insulation voltage	Ui	75 Vdc	75 Vdc
Utilization category		DC-13	DC-13
Repeatability/ Repeat accuracy	R	0.2 mm	0.2 mm
Protection Circuit		Short circuit & Polarity reversal	Short circuit & Polarity reversal
Function Indication		LED	LED
<b>Ambient Conditions</b>			
Operating temperature		-25° C to +70° C	-25° C to +70° C
<b>Mechanical Specifications</b>			
Connection Type		4 pin Connection M12	4 pin Connection M12
Housing material		CuZn-Nickel Plated	CuZn-Nickel Plated
Sensing face		Plastic ABS-Grey Color	Plastic ABS-Green Color
Back cap		PC-Translucent	PC-Translucent
Degree of protection		IP67	IP67
<b>Compliance with Standards and Directives</b>			
Standards Conformity		EN 60947- 5-2	EN 60947- 5-2
Approval		CE	CE