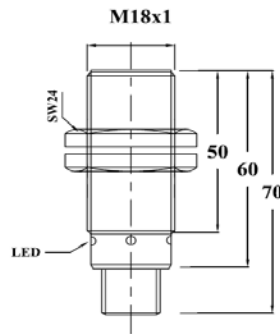
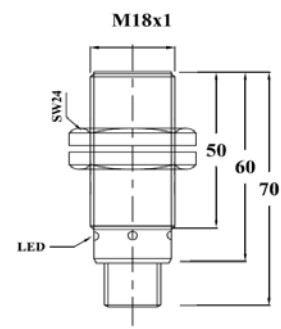




Dimensions



Dimensions



Technical Data

Model	IPS-A28-212L IPS-A28-212N	IPS-A28-222L IPS-A28-222N
General specifications		
Switching Output	PNP, N/O PNP, N/C	NPN, N/O NPN, N/C
Rated Operating Distance	S_n 5mm ± 10%	5mm ± 10%
Installation	Flush	Flush
Nominal Ratings		
Supply Voltage	U_e 10-30 Vdc	10-30 Vdc
Frequency of Operating cycle	f 500 Hz	500 HZ
Hysteresis/Differential travel	H ±10%	±10%
Rated operating current	I_e 200 mA	200 mA
No-load supply current	I_o < 15 mA	< 15 mA
Voltage drop	U_d < 2.2Vdc	< 2.2Vdc
OFF state current	I_r < 0.1mA	< 0.1mA
Rated insulation voltage	U_i 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
Ambient Conditions		
Operating temperature	-25° C to +70° C	-25° C to +70° C
Mechanical Specifications		
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
Degree of protection	IP67	IP67
Compliance with Standards and Directives		
Standards Conformity	EN 60947- 5-2	EN 60947- 5-2
Approval	CE	CE