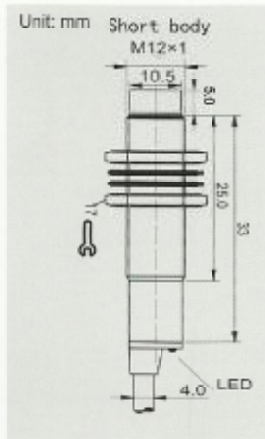
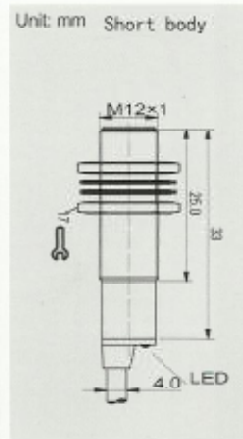
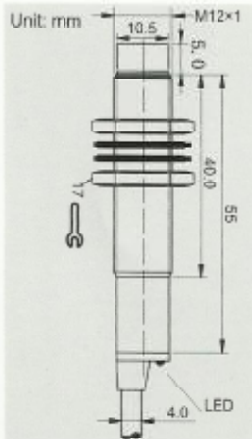
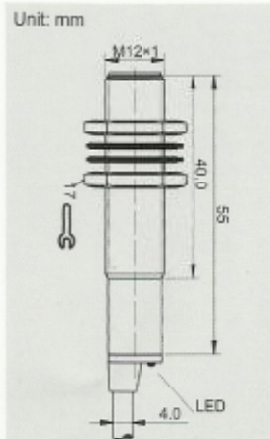


Diension	M12×1	M12×1	M12×1	M12×1
Installation	Flush (shielded)	Non-Flush (unshielded)	Flush (shielded)	Non-Flush (unshielded)
Mounting distance Sn	2.0mm	4.0mm	2.0mm	4.0mm
Detect distance Sa	0...1.8mm	0...3.6mm	0...1.8mm	0...3.6mm



PNP	DC 3 wires	NO	IPS-12PO2B	IPS-12PC4B	IPS-12PO2A-S	IPS-12PO4A-S
		NC	IPS-12PC2B	IPS-12PC4B	IPS-12PC2A-S	IPS-12PC4A-S
	DC 4 wires	NO+NC	IPS-12POC2B	IPS-12POC4B	IPS-12POC2A-S	IPS-12POC4A-S
NPN	DC 3 wires	NO	IPS-12NO2B	IPS-12NO4B	IPS-12NO2A-S	IPS-12NO4A-S
		NC	IPS-12NC2B	IPS-12NC4B	IPS-12NC2A-S	IPS-12NC4A-S
	DC 4 wires	NO+NC	IPS-12NOC2B	IPS-12NOC4B	IPS-12NOC2A-S	IPS-12NOC4A-S
	DC 2 wires	NO	IPS-12DO2B	IPS-12DC4B		
		NC	IPS-12DC2B	IPS-12DC4B		
	AC 2 wires	NO	IPS-12AO2C	IPS-12AO4C		
		NC	IPS-12AC2C	IPS-12AC4C		
Rated operational voltage(DC/AC)			24V DC/220V AC	24V DC/220V AC	24V DC	24V DC
Supply voltage(DC/AC)			10-30V DC/90-250V AC	10-30V DC/90-250V AC	10-30V DC	10-30V DC
Voltage drop			≤ 2 V	≤ 2 V	≤ 2 V	≤ 2 V
Rated insulation voltage			≥ 20M Ω	≥ 20M Ω	≥ 20M Ω	≥ 20M Ω
Load current capacity(DC/AC)			200mA/300mA	200mA/300mA	100mA	100mA
Off-state current (NPN/PNP)			≤ 11 mA	≤ 11 mA	≤ 11 mA	≤ 10 mA
Leak current			≤ 20 μA	≤ 20 μA	≤ 20 μA	≤ 20 μA
Against polarity reversal			YES	YES	YES	YES
Short circuit protected			3 wires :YES / 2 wires:NO	3 wires :YES / 2 wires:NO	YES	YES
Load capacity			≤ 0.5 μF	≤ 0.5 μF	≤ 0.5 μF	≤ 0.5 μF
Repeated accuracy			≤ 5%	≤ 5%	≤ 5%	≤ 5%
Ambient temperature range			-15...+60 °C	-15...+60 °C	-15...+60 °C	-15...+60 °C
Frequency (DC 3/2 wires/ AC 2 wires)			800Hz/400Hz/25Hz	800Hz/400Hz/25Hz	800Hz/400Hz	800Hz/400Hz/
Function indication			Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator
IP ratings			IP67	IP67	IP67	IP67
Housing material			Nickle plated brass	Nickle plated brass	Nickle plated brass	Nickle plated brass
Material of sensing face			ABS	ABS	ABS	ABS
Connection			Wires	Wires	Wires	Wires
No. of wires × gauge			12×0.15mm	12×0.15mm	12×0.15mm	12×0.15mm
Standard lenth of cable			2m	2m	2m	2m
Plug-in connector			/	/	/	/
Approvals			CE	CE	CE	CE

1.For connection drawing, please refer to instruction manual.

2.Cable and housing of sensor can be special ordered.

3. DC5V or AC 24~250V can be special ordered.