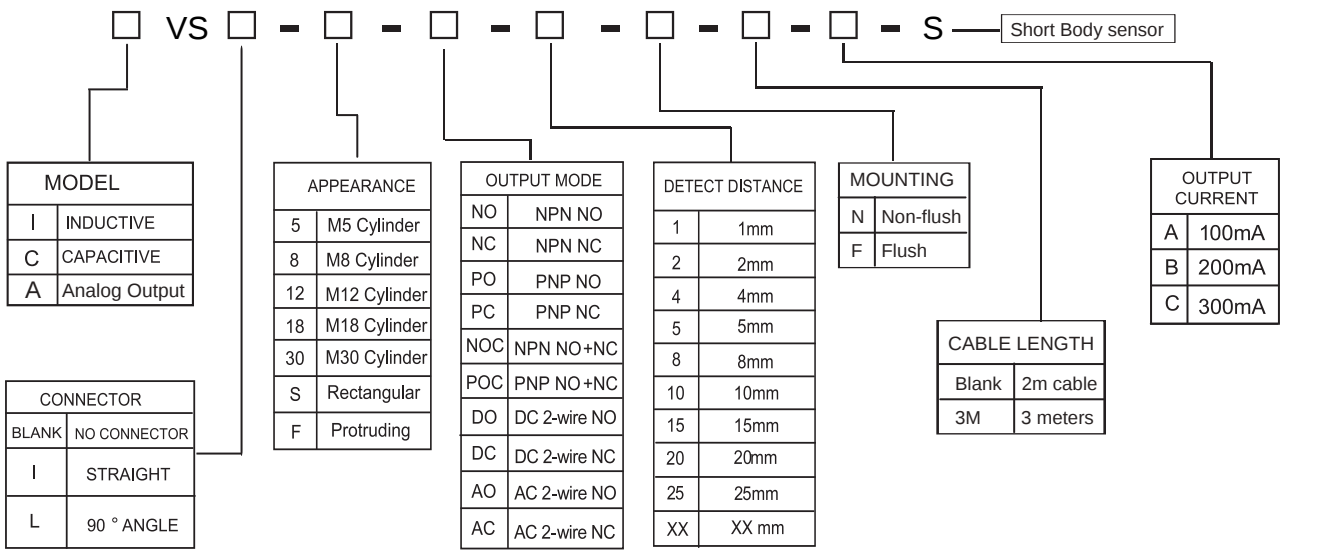


1.FEATURES (产品特点)

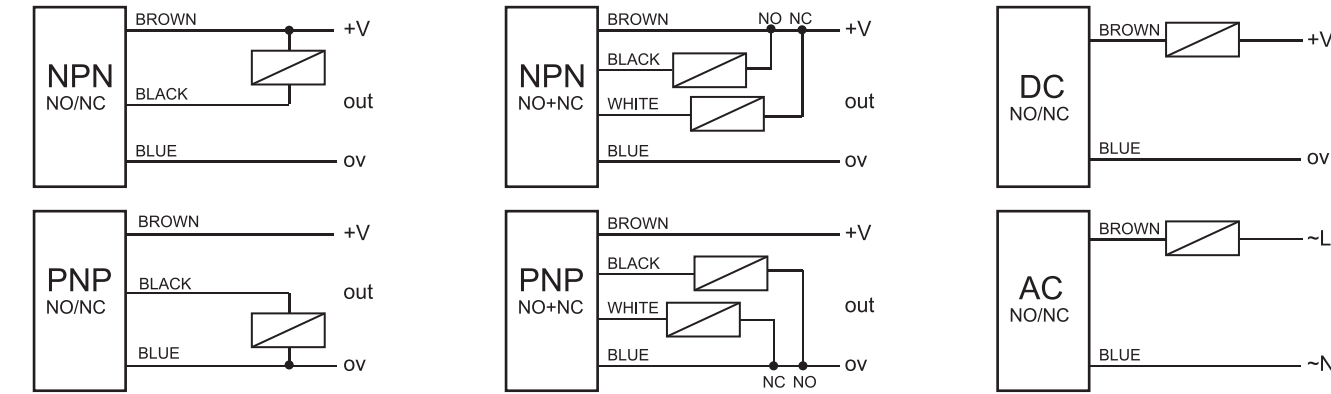
- Inductive and capacitive proximity sensor.
- Style: cylinder shape (M5, M8, M12, M18, M22, M30); various rectangular shape and protruding shape.
- Shielded or unshielded type.
- DC 2-wire (10-30V DC), DC 3-wire(10-30V DC), DC 4-wire(10-30V DC),AC 2-wire (90-250 AC / 24~250V AC) type .
- Connection mode: wires, M8 connector and M12 connector.
- With LED operation indicator, easily identifiable.
- Brass nickle plated, proof of oil, water acid, alkaline.
- Standard sensing object: inductive sensor: ferrous metals; capacitive sensor: metal or non-metal objects.
- Protection rate: IP67, water resistant.
- Over-load and short circuit protection; polarity reversal protection.
- Widely applied in measuring, Counting, Rpm measuring in mechanism, chemical, paper manufacture light industry, etc

2.ORDERING CODE (订货编码)



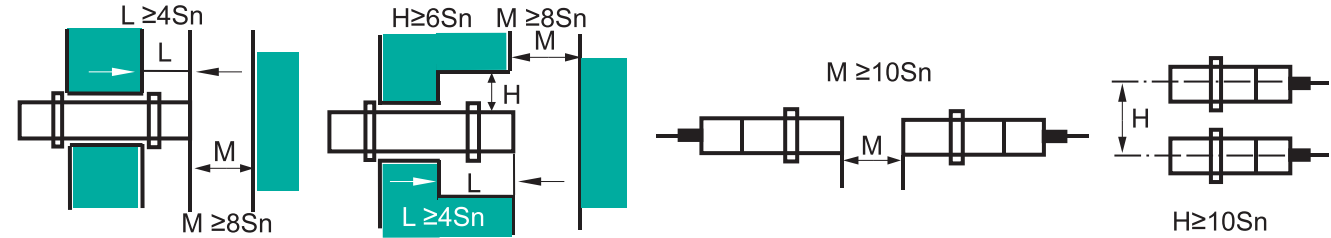
For special request of sensors (e.g. 24V AC, appearace,function), please indicate when order.

3.CONNECTION (产品接线图)



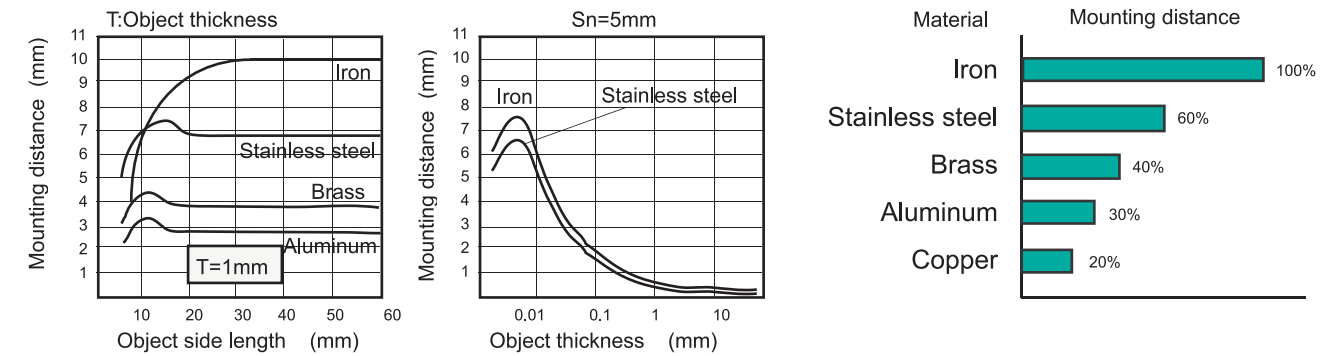
4.INSTALLATION DEMAND (安装要求)

When used in an area surrounded by metal or juxtaposed , Install the proximity Sensor as follows . (Sn Sensing distance)

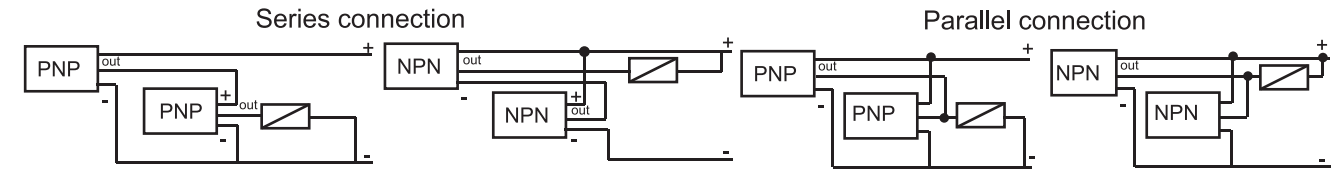


5. INDUCTIVE PROXIMITY APPLICATION DIRECTION (电感式传感器设定说明)

- a.Mounting distance should be set equal 80% SN.
- b.Set mounting distance equals 50%sn,when sensor applies in measuring mounting frequency or operating in high speed circumstance.
- c.Mounting distance varies with measuring object(iron, stainless steel ,brass, copper and aluminum) .

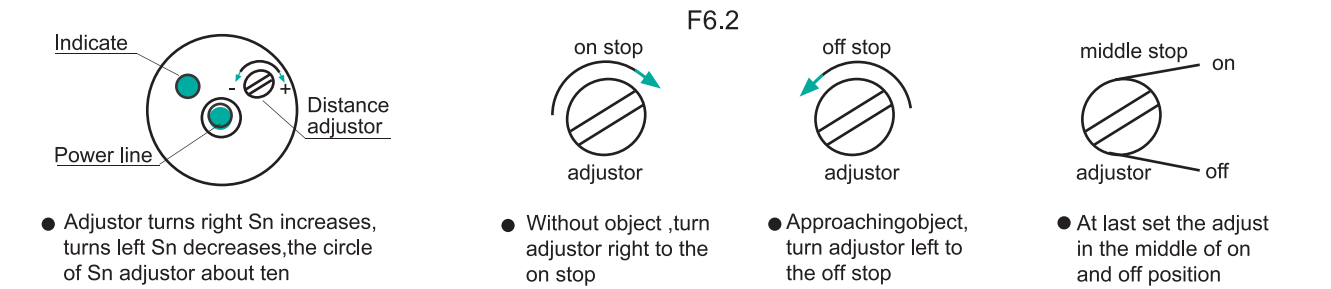


d.IVS series connection and parallel connection

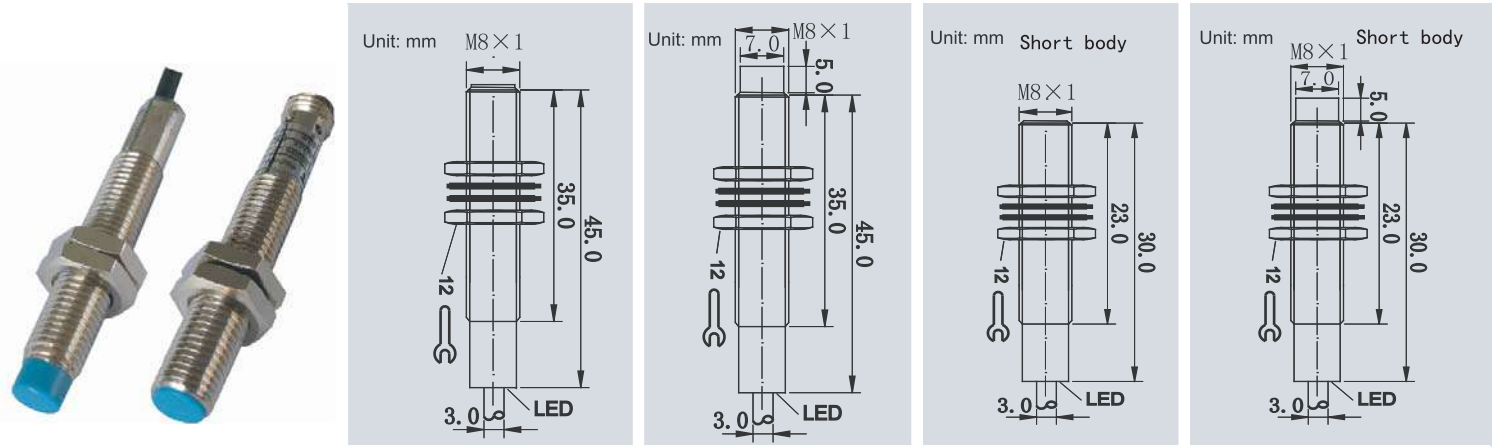


6. CAPACITIVE PROXIMITY SENSOR MOUNTING DISTANCE SETTING (电容式传感器安装距离设定)

- a.Capacitive proximity sensorn can measure both metal and non-metal objects, such as iron, water,oil, glass,plastic....etc. The mounting distance varies with different objects because of different object conductivity, permittivity and water absoption. If the metal connects with ground(GND), the max. Mounting distance can be obtained.
- b.Different objects, the mounting distance is different, refer to F6.1
- c.The mounting distance of Capacitive proximity sensorn can be adjusted, and the mounting distance must be adjusted before installing, instead of after. Adjustment please refer to F6.2
- d.When operating, the capacitive proximity sensorn should be far away from the high frequency electromagnetism circumstance, for example,supersonic wave emittor, high frequency.



Dimension	M8×1	M8×1	M8×1	M8×1
Installation	Flush (shielded)	Non-Flush (unshielded)	Flush (shielded)	Non-Flush (unshielded)
Mounting distance Sn	1.0mm	2.0mm	1.0mm	2.0mm
Detect distance Sa	0...0.9mm	0...1.8mm	0...0.9mm	0...1.8mm



DC 3 wires	NO	IVS-8PO1B	IVS-8PO2B	IVS-8PO1A-S	IVS-8PO2A-S
	NC	IVS-8PC1B	IVS-8PC2B	IVS-8PC1A-S	IVS-8PC2A-S
NPN DC 3 wires	NO	IVS-8NO1B	IVS-8NO2B	IVS-8NO1A-S	IVS-8NO2A-S
	NC	IVS-8NC1B	IVS-8NC2B	IVS-8NC1A-S	IVS-8NC2A-S

DC 2 wires	NO	IVS-8DO1B	IVS-8DO2B		
	NC	IVS-8DC1B	IVS-8DC2B		

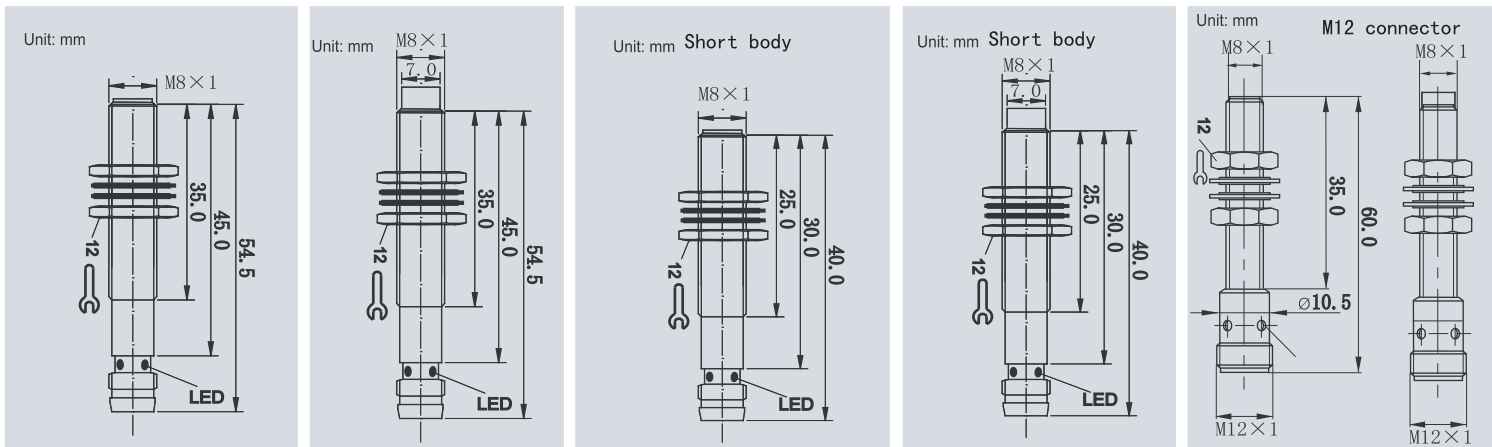
Rated operational voltage	24 V DC	24 V DC	24 V DC	24 V DC
Supply voltage	10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC
Voltage drop	≤2 V	≤ 2 V	≤ 2 V	≤ 2 V
Rated insulation voltage	≥20MΩ	≥20MΩ	≥20MΩ	≥20MΩ
Load current capacity	200 mA	200 mA	100 mA	100 mA
Off-state current (NPN/PNP)	≤ 11 mA	≤ 11 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	YES	YES	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℃	-15...+60℃	-15...+60℃	-15...+60℃
Operating frequency	1.5K~2K Hz	1.5K~2K Hz	1.5K~2K Hz	1.5K~2K Hz
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	9×0.15mm	9×0.15mm	9×0.15mm	9×0.15mm
Standard lenth of cable	2m	2m	2m	2m
Plug-in connector	/	/	/	/

- 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.

M8×1	M8×1	M8×1	M8×1	M8×1
Flush (shielded)	Non-Flush (unshielded)	Flush (shielded)	Non-Flush (unshielded)	Flush / Non- flush
1.0mm	2.0mm	1.0mm	2.0mm	1.0/2.0mm
0...0.9mm	0...1.8mm	0...0.9mm	0...1.8mm	0...0.9/1.8mm



IVSI/L-8PO1B	IVSI/L-8PO2B	IVSI/L-8PO1A-S	IVSI/L-8PO2A-S	IVSI/L-8PO1/2B-T
IVSI/L-8PC1B	IVSI/L-8PC2B	IVSI/L-8PC1A-S	IVSI/L-8PC2A-S	IVSI/L-8PC1/2B-T
IVSI/L-8NO1B	IVSI/L-8NO2B	IVSI/L-8NO1A-S	IVSI/L-8NO2A-S	IVSI/L-8NO1/2B-T
IVSI/L-8NC1B	IVSI/L-8NC2B	IVSI/L-8NC1A-S	IVSI/L-8NC2A-S	IVSI/L-8NC1/2B-T

IVSI/L-8DO1B	IVSI/L-8DO2B			IVSI/L-8DO1/2B-T
IVSI/L-8DC1B	IVSI/L-8DC2B			IVSI/L-8DC1/2B-T

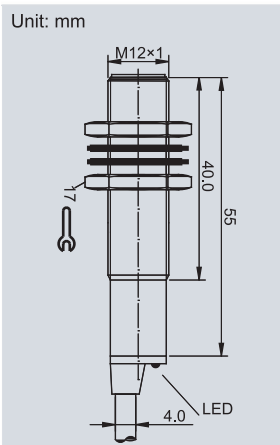
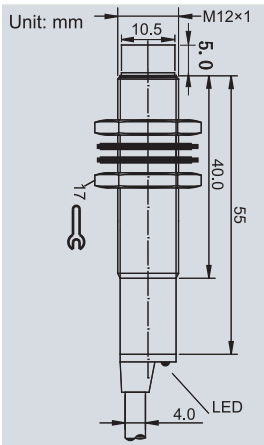
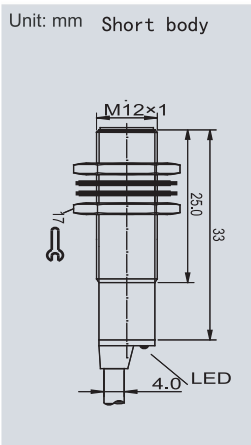
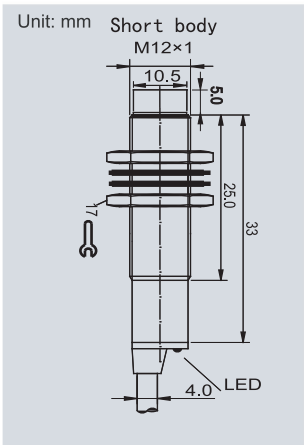
24 V DC	24 V DC	24 V DC	24 V DC	24 V DC
10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC	10...30 V DC
≤ 2V	≤ 2 V	≤ 2 V	≤ 2V	≤ 2 V
≥20MΩ	≥20MΩ	≥20MΩ	≥20MΩ	≥20MΩ
200 mA	200 mA	100 mA	100 mA	200 mA
≤ 10 mA	≤ 10 mA	≤ 15 mA	≤ 15 mA	≤ 15 mA
≤ 20 μA	≤ 20 μA	≤ 20 μA	≤ 20μA	≤ 20 μA
YES	YES	YES	YES	YES
YES	YES	YES	YES	YES
≤ 1 μF	≤ 1 μF	≤ 1 μF	≤ 1 μF	≤ 1 μF

≤ 5%	≤ 5%	≤ 5%	≤ 5%	≤ 5%
-15...+60℃	-15...+60℃	-15...+60℃	-15...+60℃	-15...+60℃
1.5K~2K Hz	1.5K~2K Hz	1.5K~2K Hz	1.5K~2K Hz	1.5K~2K Hz
Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator

IP67	IP67	IP67	IP67	IP67
Nickle plated brass	Nickle plated brass	Nickle plated brass	Nickle plated brass	Nickle plated brass
ABS	ABS	ABS	ABS	ABS
Connector	Connector	Connector	Connector	Connector
2m	2m	2m	2m	2m
C8-I/L-F-3-A	C8-I/L-F-3-A	C8-I/L-F-3-A	C8-I/L-F-3-A	C12-I/L-F-3-A/B

IVS SERIES

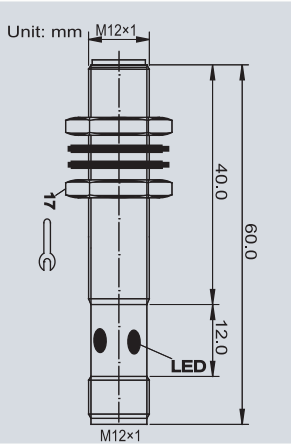
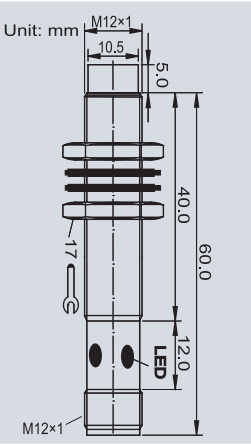
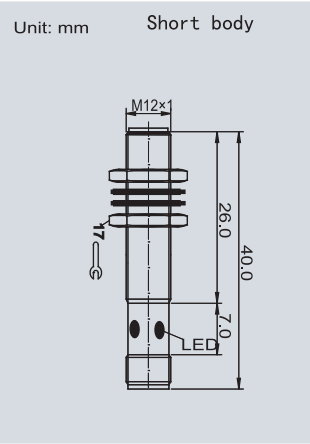
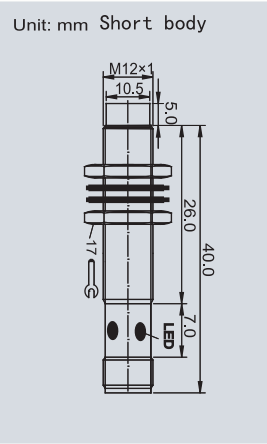
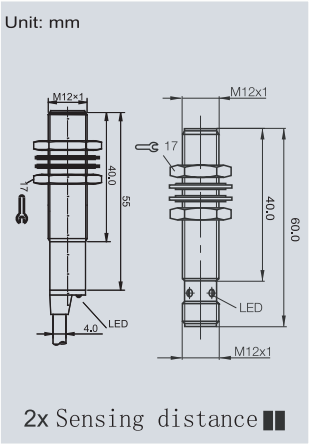
Proximity Sensor Inductive (电感式接近传感器)

Dimension	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	IVS-12PO2B	IVS-12PO4B	IVS-12PO2A-S	IVS-12PO4A-S
			NC	IVS-12PC2B	IVS-12PC4B	IVS-12PC2A-S	IVS-12PC4A-S
		DC 4 wires	NO+NC	IVS-12POC2B	IVS-12POC4B	IVS-12POC2A-S	IVS-12POC4A-S
NPN	DC 3 wires	NO	IVS-12NO2B	IVS-12NO4B	IVS-12NO2A-S	IVS-12NO4A-S	
		NC	IVS-12NC2B	IVS-12NC4B	IVS-12NC2A-S	IVS-12NC4A-S	
	DC 4 wires	NO+NC	IVS-12NOC2B	IVS-12NOC4B	IVS-12NOC2A-S	IVS-12NOC4A-S	
DC 2 wires	NO	IVS-12DO2B	IVS-12DO4B				
	NC	IVS-12DC2B	IVS-12DC4B				
AC 2 wires	NO	IVS-12AO2C	IVS-12AO4C				
	NC	IVS-12AC2C	IVS-12AC4C				
Rated operational voltage(DC/AC)	24V DC/220V AC		24V DC/220V AC		24V DC		
Supply voltage(DC/AC)	10-30V DC/90-250V AC		10-30V DC/90-250V AC		10-30V DC		
Voltage drop	≦2 V		≦2 V		≦2 V		
Rated insulation voltage	≧20MΩ		≧20MΩ		≧20MΩ		
Load current capacity(DC/AC)	200mA/300mA		200mA/300mA		100mA		
Off-state current (NPN/PNP)	≦11 mA		≦11 mA		≦10 mA		
Leak current	≦20 μA		≦20 μA		≦20 μA		
Against polarity reversal	YES		YES		YES		
Short circuit protected	3 wires :YES / 2 wires:NO		3 wires :YES / 2 wires:NO		YES		
Load capacity	≦0.5 μF		≦0.5 μF		≦0.5 μF		
Repeated accuracy	≦5%		≦5%		≦5%		
Ambient temperature range	-15...+60℃		-15...+60℃		-15...+60℃		
Frequency (DC 3/2 wires/ AC 2 wires)	800Hz/400Hz/25Hz		800Hz/400Hz/25Hz		800Hz/400Hz/		
Function indication	Red LED Indicator		Red LED Indicator		Red LED Indicator		
IP ratings	IP67		IP67		IP67		
Housing material	Nickle plated brass		Nickle plated brass		Nickle plated brass		
Material of sensing face	ABS		ABS		ABS		
Connection	Wires		Wires		Wires		
No. of wires × gauge	12×0.15mm		12×0.15mm		12×0.15mm		
Standard lenth of cable	2m		2m		2m		
Plug-in connector	/		/		/		

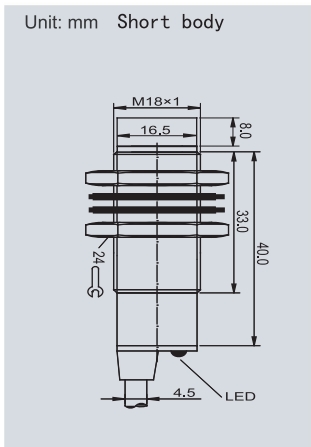
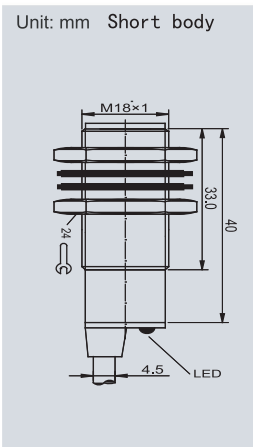
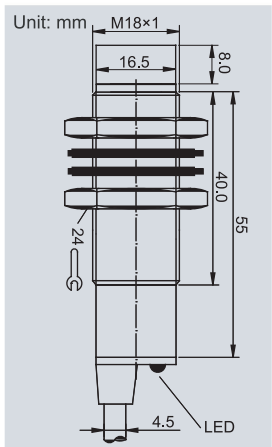
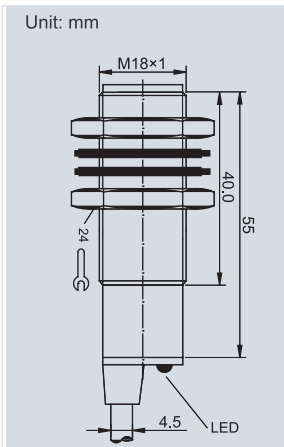
- 1.For connection drawing, please refer to instruction manual.
- 2.Cable and housing of sensor can be special ordered.
3. DC5V or AC 24~250V can be special ordered.

IVS SERIES

Proximity Sensor Inductive (电感式接近传感器)

M12×1	M12×1	M12×1	M12×1	M12×1
Flush (shielded)	Non-Flush (unshielded)	Flush (shielded)	Non-Flush (unshielded)	Flush (shielded)
2.0mm	4.0mm	2.0mm	4.0mm	4.0mm
0...1.8mm	0...3.6mm	0...1.8mm	0...3.6mm	0...3.6mm
Unit: mm  Unit: mm  Unit: mm Short body  Unit: mm Short body  Unit: mm 				
2x Sensing distance				
IVSI/L-12PO2B	IVSI/L-12PO4B	IVSI/L-12PO2A-S	IVSI/L-12PO4A-S	IVSI/L-12PO4B-D
IVSI/L-12PC2B	IVSI/L-12PC4B	IVSI/L-12PC2A-S	IVSI/L-12PC4A-S	IVSI/L-12PC4B-D
IVSI/L-12POC2B	IVSI/L-12POC4B	IVSI/L-12POC2A-S	IVSI/L-12POC4A-S	IVSI/L-12POC4B-D
IVSI/L-12NO2B	IVSI/L-12NO4B	IVSI/L-12NO2A-S	IVSI/L-12NO4A-S	IVSI/L-12NO4B-D
IVSI/L-12NC2B	IVSI/L-12NC4B	IVSI/L-12NC2A-S	IVSI/L-12NC4A-S	IVSI/L-12NC4B-D
IVSI/L-12NOC2B	IVSI/L-12NOC4B	IVSI/L-12NOC2A-S	IVSI/L-12NOC4A-S	IVSI/L-12NOC4B-D
IVSI/L-12DO2B	IVSI/L-12DO4B			
IVSI/L-12DC2B	IVSI/L-12DC4B			
IVSI/L-12AO2C	IVSI/L-12AO4C			
IVSI/L-12AC2C	IVSI/L-12AC4C			
24V DC/220V AC	24V DC/220V AC	24V DC	24V DC	24V DC
10-30V DC/90-250V AC	10-30V DC/90-250V AC	10-30V DC	10-30V DC	10-30V DC
≤2.0V	≤2.0 V	≤2.0 V	≤2.0 V	≤2.0 V
≥20M Ω	≥20M Ω	≥20M Ω	≥20M Ω	≥20M Ω
200mA/300mA	200mA/300mA	100mA	100mA	200mA
≤10 mA	≤10 mA	≤15 mA	≤15 mA	≤15 mA
≤20 μA	≤20 μA	≤20 μA	≤20μA	≤20 μA
YES	YES	YES	YES	YES
3 wires :YES / 2 wires:NO	3 wires :YES / 2 wires:NO	YES	YES	3 wires :YES / 2 wires:NO
≤1 μF	≤1 μF	≤1 μF	≤1 μF	≤1 μF
≤5%	≤5%	≤5%	≤5%	≤5%
-15...+60℃	-15...+60℃	-15...+60℃	-15...+60℃	-15...+60℃
800Hz/400Hz/25Hz	800Hz/400Hz/25Hz	800Hz/400Hz	800Hz/400Hz	800Hz/400Hz
Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator
IP67	IP67	IP67	IP67	IP67
Nickle plated brass	Nickle plated brass	Nickle plated brass	Nickle plated brass	Nickle plated brass
ABS	ABS	ABS	ABS	ABS
Connector	Connector	Connector	Connector	Connector
2m	2m	2m	2m	2m
C12-I/L-F-3/4-A/B	C12-I/L-F-3/4-A/B	C12-I/L-F-3/4-A/B	C12-I/L-F-3/4-A/B	C12-I/L-F-3/4-A/B

Dimension	M18×1	M18×1	M18×1	M18×1
Installation	Flush (shielded)	Non-Flush (unshielded)	Flush (shielded)	Non-Flush (unshielded)
Mounting distance Sn	5.0mm	8.0mm	5.0mm	8.0mm
Detect distance Sa	0...4.5mm	0...6.4mm	0...4.5mm	0...6.4mm



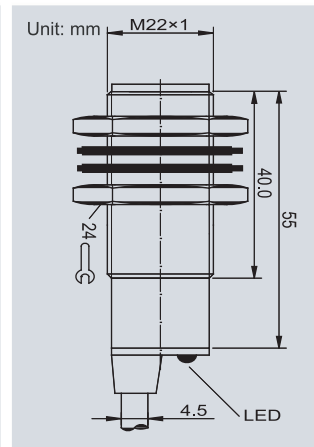
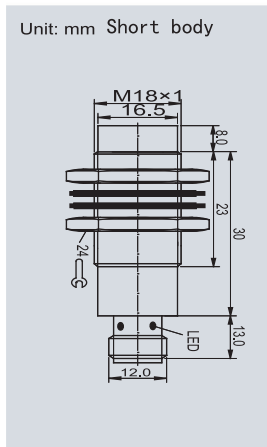
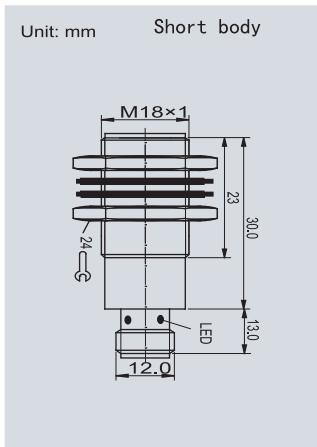
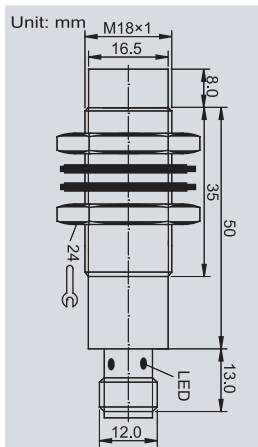
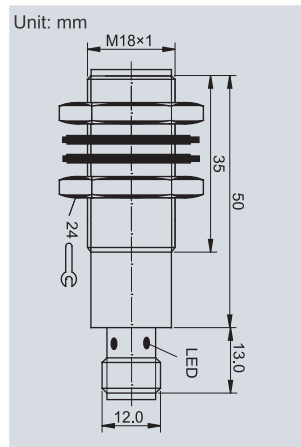
PNP	DC 3 wires	NO	IVS-18PO5B	IVS-18PO8B	IVS-18PO5B-S	IVS-18PO8B-S
		NC	IVS-18PC5B	IVS-18PC8B	IVS-18PC5B-S	IVS-18PC8B-S
	DC 4 wires	NO+NC	IVS-18POC5B	IVS-18POC8B	IVS-18POC5B-S	IVS-18POC8B-S
NPN	DC 3 wires	NO	IVS-18NO5B	IVS-18NO8B	IVS-18NO5B-S	IVS-18NO8B-S
		NC	IVS-18NC5B	IVS-18NC8B	IVS-18NC5B-S	IVS-18NC8B-S
	DC 4 wires	NO+NC	IVS-18NOC5B	IVS-18NOC8B	IVS-18NOC5B-S	IVS-18NOC8B-S
	DC 2 wires	NO	IVS-18DO5B	IVS-18DO8B		
		NC	IVS-18DC5B	IVS-18DC8B		
	AC 2 wires	NO	IVS-18AO5C	IVS-18AO8C		
		NC	IVS-18AC5C	IVS-18AC8C		

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	200mA	200mA
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	YES	YES	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)	700Hz/400Hz/25Hz	700Hz/400Hz/25Hz	700Hz/400Hz	700Hz/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	16×0.15mm	16×0.15mm	16×0.15mm	16×0.15mm
Standard lenth of cable	2m	2m	2m	2m
Plug-in connector	/	/	/	/

- 1.For connection drawing, please refer to instruction manual.
- 2.Cable and housing of proximity sensor can be special ordered.
- 3.AC 24~250V can be special ordered.

M18×1	M18×1	M18×1	M18×1	M22×1
Flush (shielded)	Non-Flush (unshielded)	Flush (shielded)	Non-Flush (unshielded)	Flush (unshielded)
5.0mm	8.0mm	5.0mm	8.0mm	10.0mm
0...4.0mm	0...6.4mm	0...4.0mm	0...6.4mm	0...9.0mm



IVSI/L-18PO5B	IVSI/L-18PO8B	IVSI/L-18PO5B-S	IVSI/L-18PO8B-S	IVS-22PO10B
IVSI/L-18PC5B	IVSI/L-18PC8B	IVSI/L-18PC5B-S	IVSI/L-18PC8B-S	IVS-22PC10B
IVSI/L-18POC5B	IVSI/L-18POC8B	IVSI/L-18POC5B-S	IVSI/L-18POC8B-S	IVS-22POC10B
IVSI/L-18NO5B	IVSI/L-18NO8B	IVSI/L-18NO5B-S	IVSI/L-18NO8B-S	IVS-22NO10B
IVSI/L-18NC5B	IVSI/L-18NC8B	IVSI/L-18NC5B-S	IVSI/L-18NC8B-S	IVS-22NC10B
IVSI/L-18NOC5B	IVSI/L-18NOC8B	IVSI/L-18NOC5B-S	IVSI/L-18NOC8B-S	IVS-22NOC10B
IVSI/L-18DO5B	IVSI/L-18DO8B			IVS-22DO10B
IVSI/L-18DC5B	IVSI/L-18DC8B			IVS-22DC10B
IVSI/L-18AO5C	IVSI/L-18AO8C			IVS-22AO10C
IVSI/L-18AC5C	IVSI/L-18AC8C			IVS-22AC10C

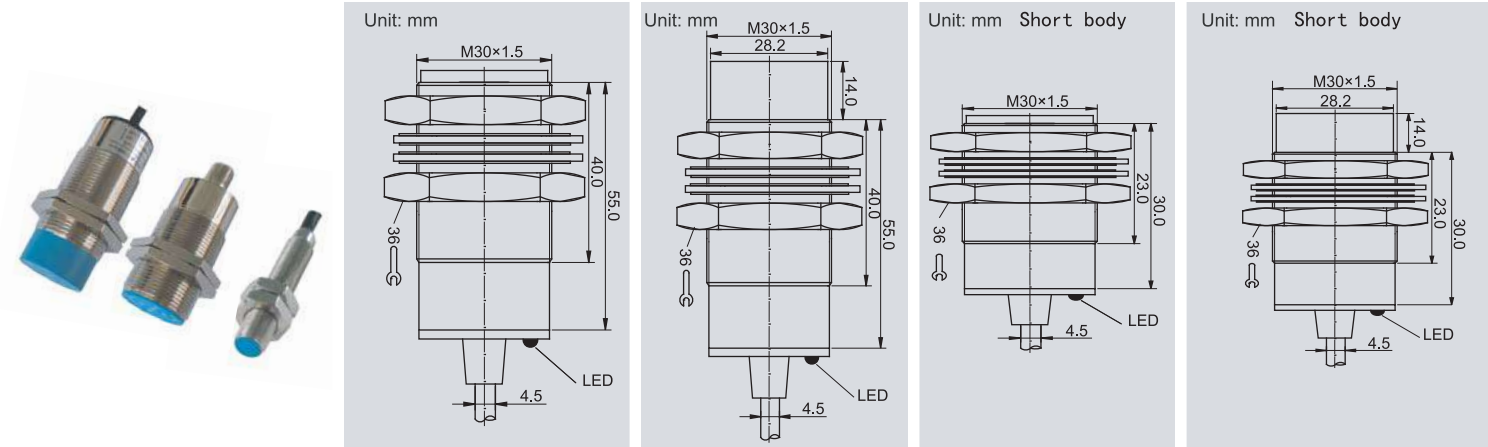
24V DC/220V AC	24V DC/220V AC	24V DC	24V DC	24V DC/220V AC
10-30V DC/90-250V AC	10-30V DC/90-250V AC	10-30V DC	10-30V DC	10-30V DC/90-250V AC
≤ 2.0V	≤ 2.0 V	≤ 2.0 V	≤ 2.0 V	≤ 2.0 V
≥ 20M Ω	≥ 20M Ω	≥ 20M Ω	≥ 20M Ω	≥ 20M Ω
200mA/300mA	200mA/300mA	200mA	200mA	200mA/300mA
≤ 10 mA	≤ 10 mA	≤ 15 mA	≤ 15 mA	≤ 15 mA
≤ 20 μA	≤ 20 μA	≤ 20 μA	≤ 20μA	20μ
YES	YES	YES	YES	YES
YES	YES	YES	YES	YES
≤ 1 μF	≤ 1 μF	≤ 1 μF	≤ 1 μF	≤ 1 μF
≤ 5%	≤ 5%	≤ 5%	≤ 5%	≤ 5%
-15...+60 °C	-15...+60 °C	-15...+60 °C	-15...+60 °C	-15...+60 °C
700Hz/400Hz/25Hz	700Hz/400Hz/25Hz	700Hz/400Hz	700Hz/400Hz	700Hz/400Hz/25Hz
Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator

IP67	IP67	IP67	IP67	IP67
Nickle plated brass	Nickle plated brass	Nickle plated brass	Nickle plated brass	Nickle plated brass
ABS	ABS	ABS	ABS	ABS
Connector	Connector	Connector	Connector	Wires
				12×0.16mm
2m	2m	2m	2m	2m
C12-I/L-F-3/4-A/B	C12-I/L-F-3/4-A/B	C12-I/L-F-3/4-A/B	C12-I/L-F-3/4-A/B	/

IVS SERIES

Proximity Sensor Inductive (电感式接近传感器)

Dimension	M30×1.5	M30×1.5	M30×1.5	M30×1.5
Installation	Flush (shielded)	Non-Flush (unshielded)	Flush (shielded)	Non-Flush (unshielded)
Mounting distance Sn	10.0mm	15.0mm	10.0mm	15.0mm
Detect distance Sa	0...9.0mm	0...13.5mm	0...9.0mm	0...13.5mm



PNP	DC 3 wires	NO	IVS-30PO10B	IVS-30PO15B	IVS-30PO10B-S	IVS-30PO15B-S
		NC	IVS-30PC10B	IVS-30PC15B	IVS-30PC10B-S	IVS-30PC15B-S
	DC 4 wires	NO+NC	IVS-30POC10B	IVS-30POC15B	IVS-30POC10B-S	IVS-30POC15B-S
NPN	DC 3 wires	NO	IVS-30NO10B	IVS-30NO15B	IVS-30NO10B-S	IVS-30NO15B-S
		NC	IVS-30NC10B	IVS-30NC15B	IVS-30NC10B-S	IVS-30NC15B-S
	DC 4 wires	NO+NC	IVS-30NOC10B	IVS-30NOC15B	IVS-30NOC10B-S	IVS-30NOC15B-S
	DC 2 wires	NO	IVS-30DO10B	IVS-30DO15B		
		NC	IVS-30DC10B	IVS-30DC15B		
	AC 2 wires	NO	IVS-30AO10C	IVS-30AO15C		
		NC	IVS-30AC10C	IVS-30AC15C		

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	200mA	200mA
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℃	-15...+60℃	-15...+60℃	-15...+60℃
Frequency (DC 3/2 wires/ AC 2 wires)	500Hz/400Hz/25Hz	500Hz/400Hz/25Hz	500Hz/400Hz	500Hz/400Hz
Function indication	Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator

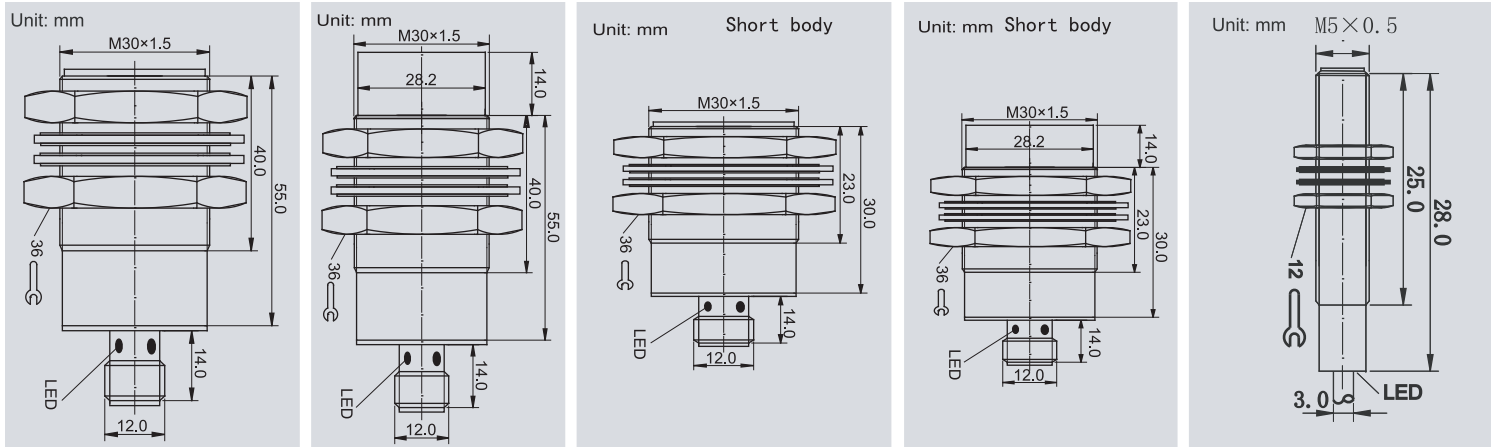
IP ratings	IP67	IP67	IP67	IP67
Housing material	Nickle plated brass	Nickle plated brass	Nickle plated brass	Nickle plated brass
Material of sensing face	ABS	ABS	ABS	ABS
Connection	Wires	Wires	Wires	Wires
No. of wires × gauge	16×0.15mm	16×0.15mm	16×0.15mm	16×0.15mm
Standard lenth of cable	2m	2m	2m	2m
Plug-in connector	/	/	/	/

- 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.

IVS SERIES

Proximity Sensor Inductive (电感式接近传感器)

M30×1.5	M30×1.5	M30×1.5	M30×1.5	M5×0.5
Flush (shielded)	Non-Flush (unshielded)	Flush (shielded)	Non-Flush (unshielded)	Flush (shielded)
10.0mm	15.0mm	10.0mm	15.0mm	1.0mm
0...9.0mm	0...13.5mm	0...9.0mm	0...13.5mm	0...0.8mm



IVSI/L-30PO10B	IVSI/L-30PO15B	IVSI/L-30PO10B-S	IVSI/L-30PO15B-S	IVS-5PO1A
IVSI/L-30PC10B	IVSI/L-30PC15B	IVSI/L-30PC10B-S	IVSI/L-30PO15B-S	IVS-5PC1A
IVSI/L-30POC10B	IVSI/L-30POC15B	IVSI/L-30POC10B-S	IVSI/L-30POC15B-S	
IVSI/L-30NO10B	IVSI/L-30NO15B	IVSI/L-30NO10B-S	IVSI/L-30NO15B-S	IVS-5NO1A
IVSI/L-30NC10B	IVSI/L-30NC15B	IVSI/L-30NC10B-S	IVSI/L-30NC15B-S	IVS-5NC1A
IVSI/L-30NOC10B	IVSI/L-30NOC15B	IVSI/L-30NOC10B-S	IVSI/L-30NOC15B-S	
IVSI/L-30DO10B	IVSI/L-30DO15B			
IVSI/L-30DC10B	IVSI/L-30DC15B			
IVSI/L-30AO10C	IVSI/L-30AO15C			
IVSI/L-30AC10C	IVSI/L-30AC15C			

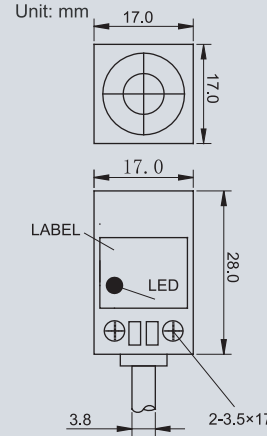
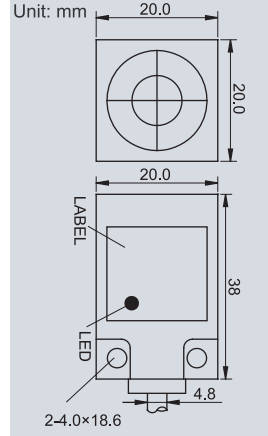
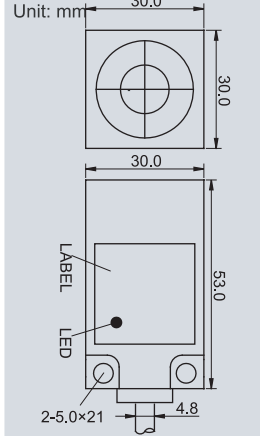
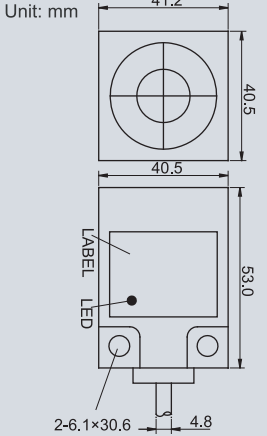
24V DC/220V AC	24V DC/220V AC	24V DC	24V DC	24V DC
10-30V DC/90-250V AC	10-30V DC/90-250V AC	10-30V DC	10-30V DC	10-30V DC
≤2.0V	≤2.0 V	≤2.0 V	≤2.0 V	≤2.0 V
≥20M Ω	≥20M Ω	≥20M Ω	≥20M Ω	≥20M Ω
200mA/300mA	200mA/300mA	200mA	200mA	100mA
≤10 mA	≤10 mA	≤15 mA	≤15 mA	≤15 mA
≤20 μA	≤20 μA	≤20 μA	≤20μA	≤20 μA
YES	YES	YES	YES	YES
3 wires :YES / 2 wires:NO	3 wires :YES / 2 wires:NO	YES	YES	YES
≤1 μF	≤1 μF	≤1 μF	≤1 μF	≤1 μF

≤5%	≤5%	≤5%	≤5%	≤5%
-15...+60℃	-15...+60℃	-15...+60℃	-15...+60℃	-10...+50℃
500Hz/400Hz/25Hz	500Hz/400Hz/25Hz	500Hz/400Hz	500Hz/400Hz	2000Hz
Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator

IP67	IP67	IP67	IP67	IP67
Nickle plated brass	Nickle plated brass	Nickle plated brass	Nickle plated brass	Nickle plated brass
ABS	ABS	ABS	ABS	ABS
Connector	Connector	Connector	Connector	Wires
				9×0.12mm
2m	2m	2m	2m	2m
C12-I/L-F-3/4-A/B	C12-I/L-F-3/4-A/B	C12-I/L-F-3/4-A/B	C12-I/L-F-3/4-A/B	

IVS SERIES

Proximity Sensor Inductive (电感式接近传感器)

Dimension	S17	S20	S30	S41
Installation	Flush (shielded)	Flush (shielded)	Flush (shielded)	Flush (shielded)
Mounting distance Sn	5.0mm	8.0mm	15mm	20mm
Detect distance Sa	0...4.5mm	0...7.2mm	0...13.5mm	0...18mm
	Unit: mm 	Unit: mm 	Unit: mm 	Unit: mm 
	IVS-S17PO5B IVS-S17PC5B IVS-S17POC5B	IVS-S20PO8B IVS-S20PC8B IVS-S20POC8B	IVS-S30PO15B IVS-S30PC15B IVS-S30POC15B	IVS-S41PO20B IVS-S41PC20B IVS-S41POC20B
	DC 3 wires NO NC	DC 3 wires NO NC	DC 3 wires NO NC	DC 3 wires NO NC
	DC 4 wires NO+NC	DC 4 wires NO+NC	DC 4 wires NO+NC	DC 4 wires NO+NC
	IVS-S17NO5B IVS-S17NC5B IVS-S17NOC5B	IVS-S20NO8B IVS-S20NC8B IVS-S20NOC8B	IVS-S30NO15B IVS-S30NC15B IVS-S30NOC15B	IVS-S41NO20B IVS-S41NC20B IVS-S41NOC20B
DC 2 wires NO NC	IVS-S17DO5B IVS-S17NC5B	IVS-S20DO8B IVS-S20DC8B	IVS-S30DO15B IVS-S30DC15B	IVS-S41DO20B IVS-S41DC20B
AC 2 wires NO NC	IVS-S17AO5C IVS-S17AC5C	IVS-S20AO8C IVS-S20AC8C	IVS-S30AO15C IVS-S30AC15C	IVS-S41AO20C IVS-S41AC20C
Rated operational voltage(DC/AC)	24V DC/220V AC	24V DC/220V AC	24V DC/220V AC	24V DC/220V AC
Supply voltage(DC/AC)	10-30V DC/90-250V AC	10-30V DC/90-250V AC	10-30V DC/90-250V AC	10-30V DC/90-250V AC
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	200mA/300mA	200mA/300mA
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	YES	YES	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)	500Hz/250Hz/25Hz	500Hz/250Hz/25Hz	300Hz/150Hz/25Hz	150Hz/75Hz/20Hz
Function indication	Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator
IP ratings	IP67	IP67	IP67	IP67
Housing material	ABS	ABS	ABS	ABS
Material of sensing face	ABS	ABS	ABS	ABS
Connection	Wires	Wires	Wires	Wires
No. of wires × gauge	12×0.15mm	12×0.15mm	16×0.15mm	16×0.15mm
Standard lenth of cable	2m	2m	2m	2m
Plug-in connector	/	/	/	/

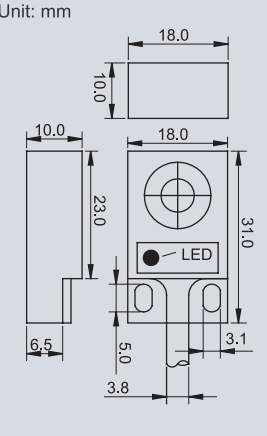
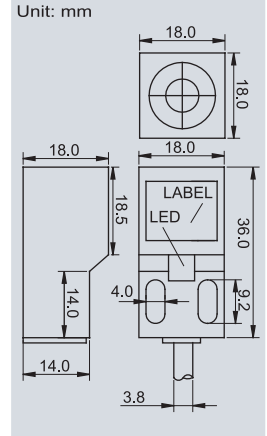
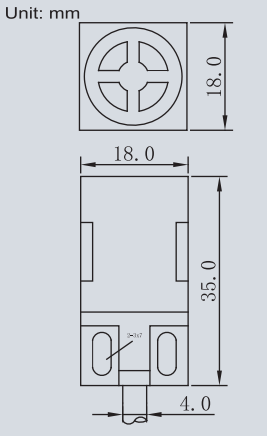
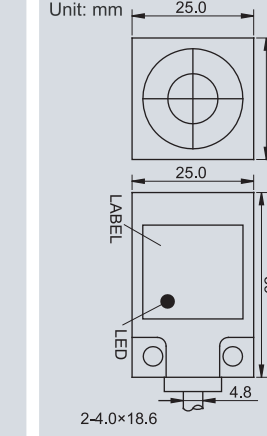
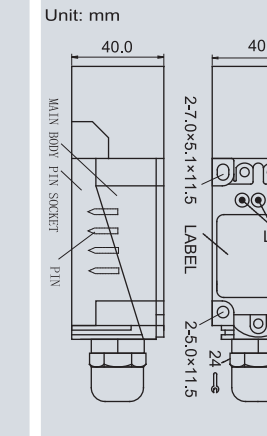
1.For connection drawing, please refer to instruction manual.

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

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

IVS SERIES

Proximity Sensor Inductive (电感式接近传感器)

S18	S18A	S17A	S25	S40
Flush (shielded)	Flush (shielded)	Non-Flush (unshielded)	Flush (shielded)	Flush (shielded)
5.0mm	5.0mm	5mm	8mm	25mm
0...4.5mm	0...4.5mm	0...4.5mm	0...7.2mm	0...22.5mm
Unit: mm 	Unit: mm 	Unit: mm 	Unit: mm 	Unit: mm 
IVS-S18PO5B IVS-S18PC5B	IVS-S18APO5B IVS-S18APC5B	IVS-S17APO5B IVS-S17APC5B	IVS-S25PO8B IVS-S25PC8B IVS-S25POC8B	IVS-S40PO25B IVS-S40PC25B IVS-S40POC25B
DC 3 wires NO NC	DC 3 wires NO NC	DC 3 wires NO NC	DC 3 wires NO NC	DC 3 wires NO NC
DC 4 wires NO+NC	DC 4 wires NO+NC	DC 4 wires NO+NC	DC 4 wires NO+NC	DC 4 wires NO+NC
IVS-S18NO5B IVS-S18NC5B	IVS-S18ANO5B IVS-S18ANC5B	IVS-S17ANO5B IVS-S17ANC5B	IVS-S25NO8B IVS-S25NC8B IVS-S25NOC8B	IVS-S40NO25B IVS-S40NC25B IVS-S40NOC25B
DC 2 wires NO NC	DC 2 wires NO NC	DC 2 wires NO NC	DC 2 wires NO NC	DC 2 wires NO NC
IVS-S18DO5B IVS-S18DC5B	IVS-S18ADO5B IVS-S18ADC5B	IVS-S17ADO5B IVS-S17ADC5B	IVS-S25DO8B IVS-S25DC8B	IVS-S40DO25B IVS-S40DC25B
AC 2 wires NO NC	AC 2 wires NO NC	AC 2 wires NO NC	AC 2 wires NO NC	AC 2 wires NO NC
IVS-S18AO5C IVS-S18AC5C	IVS-S18AO5C IVS-S18AC5C	IVS-S17AO5C IVS-S17AC5C	IVS-S25AO8C IVS-S25AC8C	IVS-S40AO25C IVS-S40AC25C
Rated operational voltage(DC/AC)	24V DC	24V DC	24V DC	24V DC/220V AC
Supply voltage(DC/AC)	10-30V DC	10-30V DC	10-30V DC	10-30V DC/90-250V AC
Voltage drop	≤ 2.0V	≤ 2.0 V	≤ 2.0 V	≤ 2.0 V
Rated insulation voltage	≥ 20M Ω	≥ 20M Ω	≥ 20M Ω	≥ 20M Ω
Load current capacity(DC/AC)	200mA	200mA	200mA	200mA/300mA
Off-state current (NPN/PNP)	≤ 10 mA	≤ 10 mA	≤ 15 mA	≤ 15 mA
Leak current	≤ 20 μA	≤ 20 μA	≤ 20 μA	≤ 20 μA
Against polarity reversal	YES	YES	YES	YES
Short circuit protected	YES	YES	3 wires :YES	YES
Load capacity	≤ 1 μF	≤ 1 μF	≤ 1 μF	≤ 1 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)	500Hz/250Hz	500Hz/250Hz	500Hz/250Hz	80Hz/40Hz/20Hz
Function indication	Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator
IP ratings	IP67	IP67	IP67	IP67
Housing material	ABS	ABS	ABS	ABS
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	16×0.15mm
Standard lenth of cable	2m	2m	2m	/
Plug-in connector	/	/	/	/

Proximity Sensor Inductive (电感式接近传感器)

Unit: mm

Unit: mm

Unit: mm

Unit: mm

Rated operational voltage(DC/AC)	24V DC	24V DC/220V AC	24V DC/220V AC	24V DC/220V AC
Supply voltage(DC/AC)	10-30V DC	10-30V DC/90-250V AC	10-30V DC/90-250V AC	10-30V DC/90-250V AC
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	200mA/300mA	200mA/300mA	200mA/300mA
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	3 wires :YES / 2 wires:NO	3 wires :YES / 2 wires:NO
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 ℃	-15...+60 ℃	-15...+60 ℃	-15...+60 ℃
Load current capacity(DC/AC)	200Hz/100Hz	150Hz/75Hz/20Hz	100Hz/50Hz/20Hz	100Hz/50Hz/20Hz
Function indication	Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator

- 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.

Proximity Sensor Inductive (电感式接近传感器)

Technical drawings of three types of pressure sensors, showing top and side views with dimensions in mm.

Type 1 (80x80mm): Top view shows a square with 80mm sides and four M5 holes. Side view shows a height of 40.0mm.

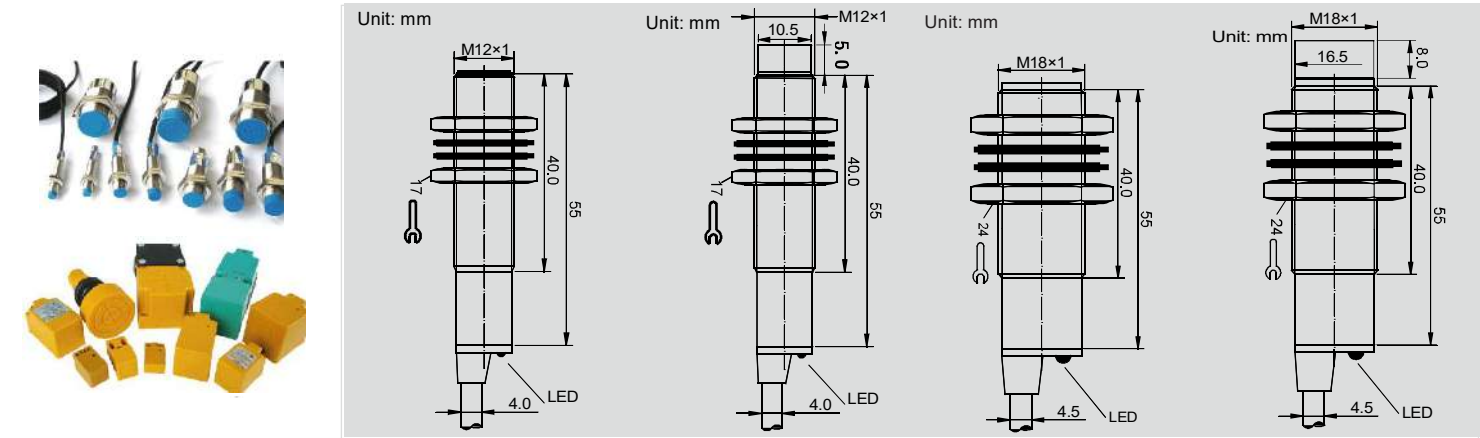
Type 2 (100x100mm): Top view shows a square with 100mm sides and four M7 holes. Side view shows a height of 50.0mm.

Type 3 (120x120mm): Top view shows a square with 120mm sides and four M7 holes. Side view shows a height of 55.0mm.

Detail View (Common): Shows the sensor body (48.0mm x 7.0mm) and pin socket (50.0mm x 12.0mm) with dimensions for the pins (16.0mm, 25.5mm, 6.0mm, 21.5mm, 12.0mm).

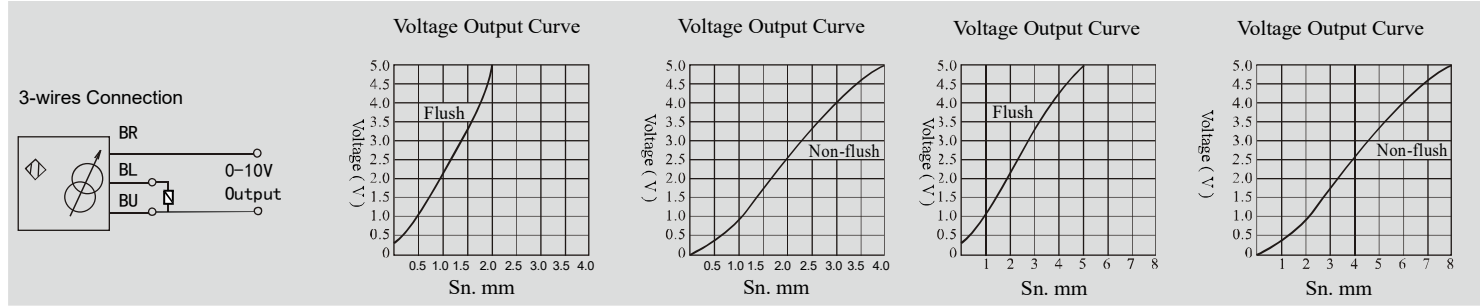
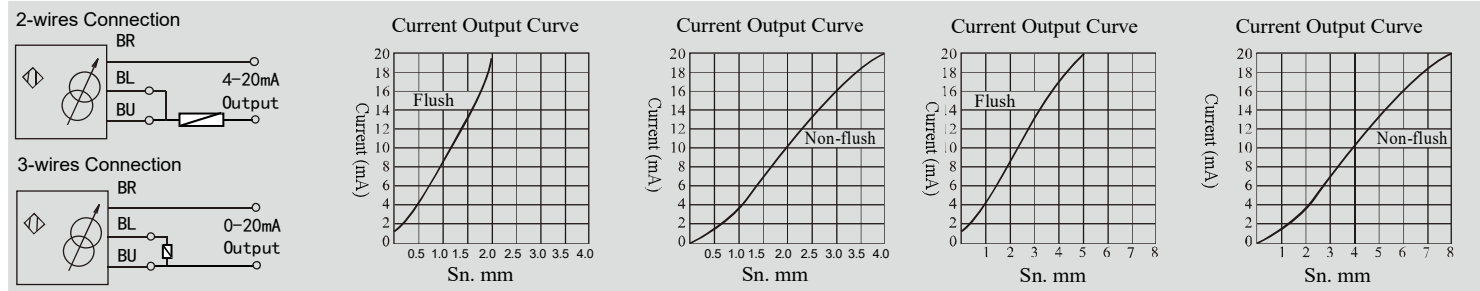
24V DC/220V AC	24V DC/220V AC	24V DC/220V AC	24V DC/220V AC	24V DC/220V AC
10-30V DC/90-250V AC	10-30V DC/90-250V AC	10-30V DC/90-250V AC	10-30V DC/90-250V AC	10-30V DC/90-250V AC
≤ 2.0V	≤ 2.0 V	≤ 2.0 V	≤ 2.0 V	≤ 2.0 V
≥ 20M Ω	≥ 20M Ω	≥ 20M Ω	≥ 20M Ω	≥ 20M Ω
200mA/300mA	200mA/300mA	200mA/300mA	200mA/300mA	200mA/300mA
≤ 10 mA	≤ 10 mA	≤ 15 mA	≤ 15 mA	≤ 15 mA
≤ 20 μA	≤ 20 μA	≤ 20 μA	≤ 20μA	≤ 20 μA
YES	YES	YES	YES	YES
3 wires :YES / 2 wires:NO	3 wires :YES / 2 wires:NO	3 wires :YES / 2 wires:NO	3 wires :YES / 2 wires:NO	3 wires :YES / 2 wires:NO
≤ 1 μF	≤ 1 μF	≤ 1 μF	≤ 1 μF	≤ 1 μF
≤ 5%	≤ 5%	≤ 5%	≤ 5%	≤ 5%
-15...+60 °C	-15...+60 °C	-15...+60 °C	-15...+60 °C	-15...+60 °C
100Hz/50Hz/20Hz	50Hz/25Hz/15Hz	50Hz/25Hz/15Hz	100Hz/50Hz/20Hz	60Hz/30Hz/15Hz
Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator

Dimension	M12×1	M12×1	M18×1	M18×1
Installation	Flush (shielded)	Non-Flush (unshielded)	Flush (shielded)	Non-Flush (unshielded)
Mounting distance Sn	2.0mm	4.0mm	5.0mm	8.0mm
Detect distance Sa	0.2...2mm	0.4...4mm	0.5...5mm	0.8...8mm



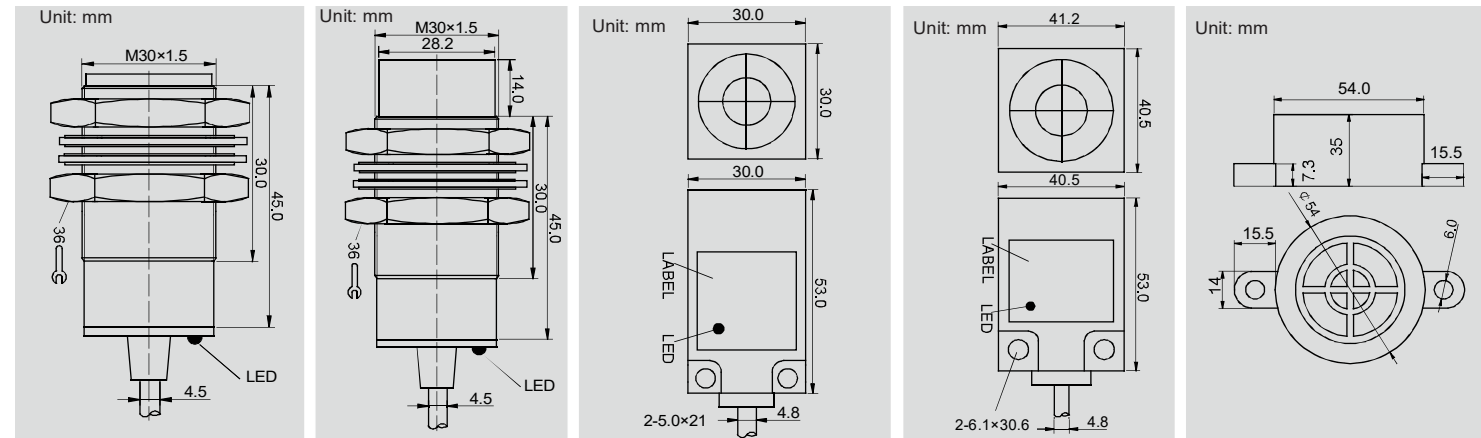
Model	4-20mA Output	AVS-12PO2B-I	AVS-12PO4B-I	AVS-18PO5B-I	AVS-18PO8B-I
	0-10V Output	AVS-12PO2B-V	AVS-12PO4B-V	AVS-18PO5B-V	AVS-18PO8B-V
	4-20mA +0-10V Dual Output	AVS-12PO2B-IV	AVS-12PO4B-IV	AVS-18PO5B-IV	AVS-18PO8B-IV

Detect Object(Q235 steel) mm	18×18×1t	18×18×1t	27×27×1t	27×27×1t
Supply Voltage	DC 10~30V	DC 10~30V	DC 10~30V	DC 10~30V
Current Consumption	≤ 20mA	≤ 20mA	≤ 20mA	≤ 20mA
Output Current (I)	0(4)~20mA	0(4)~20mA	0(4)~20mA	0(4)~20mA
Output Voltage (V)	0~10V	0~10V	0~10V	0~10V
Load Resistance (Current/Voltage)	300Ω/1K	300Ω/1K	300Ω/1K	300Ω/1K
Max.Fluctuant Voltage	≤ 5%	≤ 5%	≤ 5%	≤ 5%
Ambient Temperature	-10...+60℃	-10...+60℃	-10...+60℃	-10...+60℃
Detect Status	Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator
IP Rating (IEC60529)	IP67	IP67	IP67	IP67
Housing Material	Nickle plated brass	Nickle plated brass	Nickle plated brass	Nickle plated brass



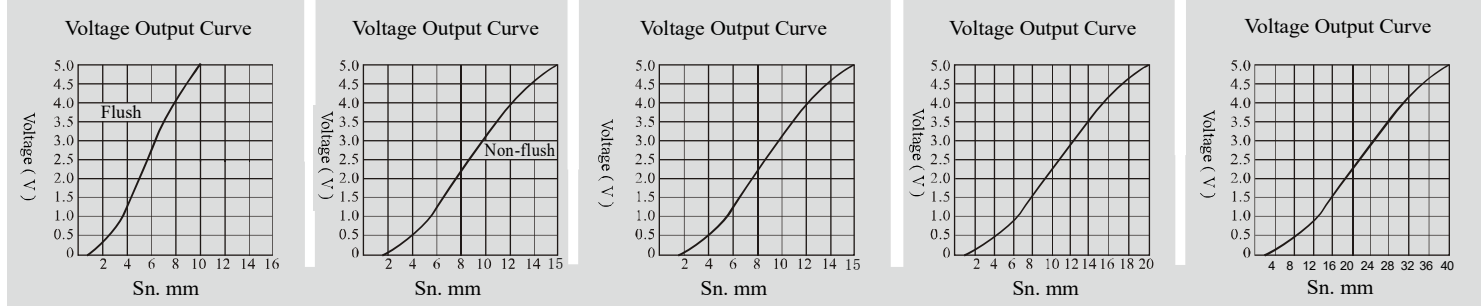
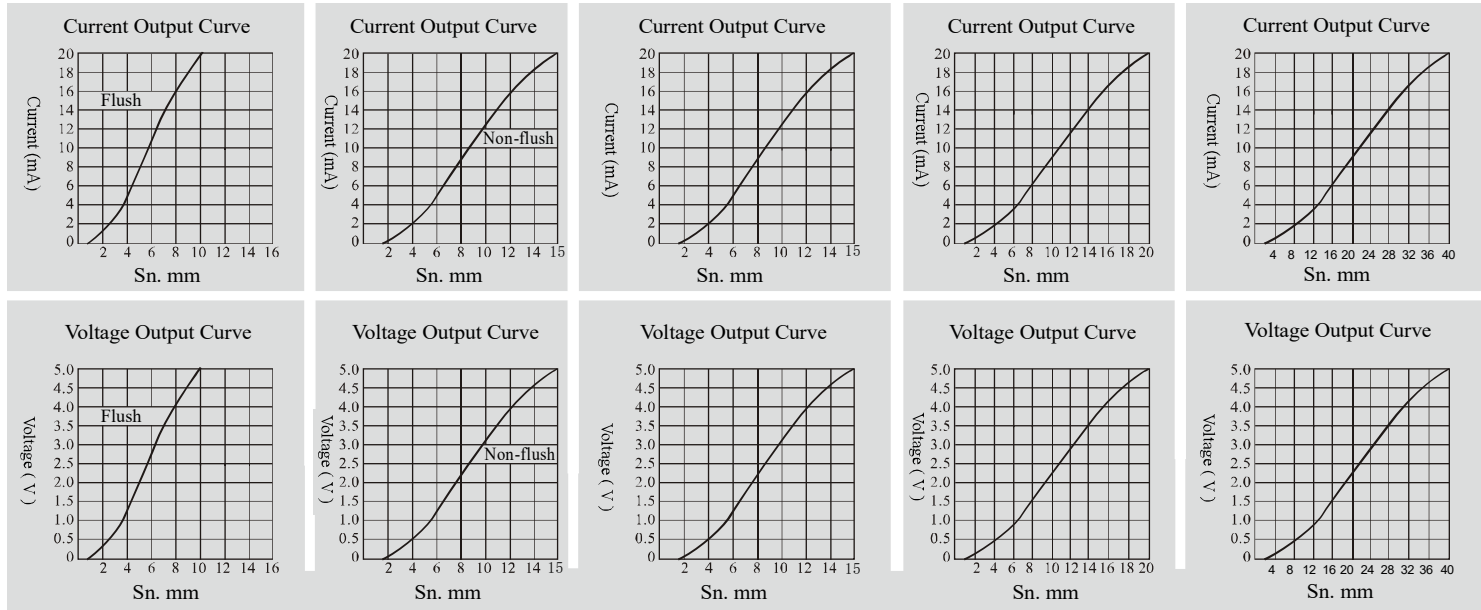
1.For connection drawing, please refer to instruction manual.
2.Cable and housing of sensor can be special ordered.

M30×1.5	M30×1.5	S30	S41	F54
Flush (shielded)	Non-Flush (unshielded)	Flush (shielded)	Flush (shielded)	Non-Flush (unshielded)
10.0mm	15mm	15mm	20mm	25mm
1...10mm	1.5...15mm	0.1...15mm	0.1...20mm	0.1...25mm

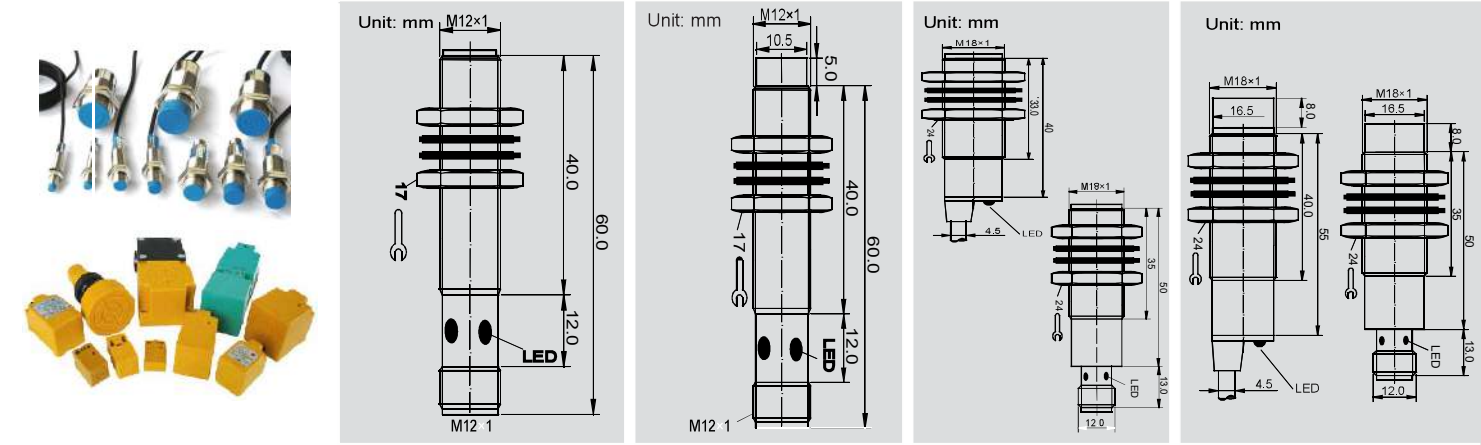


AVS-30PO10B-I	AVS-30PO15B-I	AVS-S30PO15B-I	AVS-S41PO20B-I	AVS-F54PO25B-I
AVS-30PO10B-V	AVS-30PO15B-V	AVS-S30PO15B-V	AVS-S41PO20B-V	AVS-F54PO25B-V
AVS-30PO10B-IV	AVS-30PO15B-IV	AVS-S30PO15B-IV	AVS-S41PO20B-IV	AVS-F54PO25B-IV

45×45×1t	45×45×1t	45×45×1t	50×50×1t	60×60×1t
DC 10~30V	DC 10~30V	DC 10~30V	DC 10~30V	DC 10~30V
≤ 20mA	≤ 20mA	≤ 20mA	≤ 20mA	≤ 20mA
0(4)~20mA	0(4)~20mA	0(4)~20mA	0(4)~20mA	0(4)~20mA
0~10V	0~10V	0~10V	0~10V	0~10V
300Ω/1K	300Ω/1K	300Ω/1K	300Ω/1K	300Ω/1K
≤ 5%	≤ 5%	≤ 5%	≤ 5%	≤ 5%
-10...+60℃	-10...+60℃	-10...+60℃	-10...+60℃	-10...+60℃
Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator
IP67	IP67	IP67	IP67	IP67
Nickle plated brass	Nickle plated brass	ABS	ABS	ABS



Dimension	M12×1	M12×1	M18×1	M18×1
Installation	Flush (shielded)	Nonflush (unshielded)	Flush (shielded)	Nonflush (unshielded)
Mounting distance Sn	2.0mm	4.0mm	5.0mm	8.0mm
Detect distance Sa	0...1.6mm	0...3.2mm	0...4.0mm	0...6.4mm



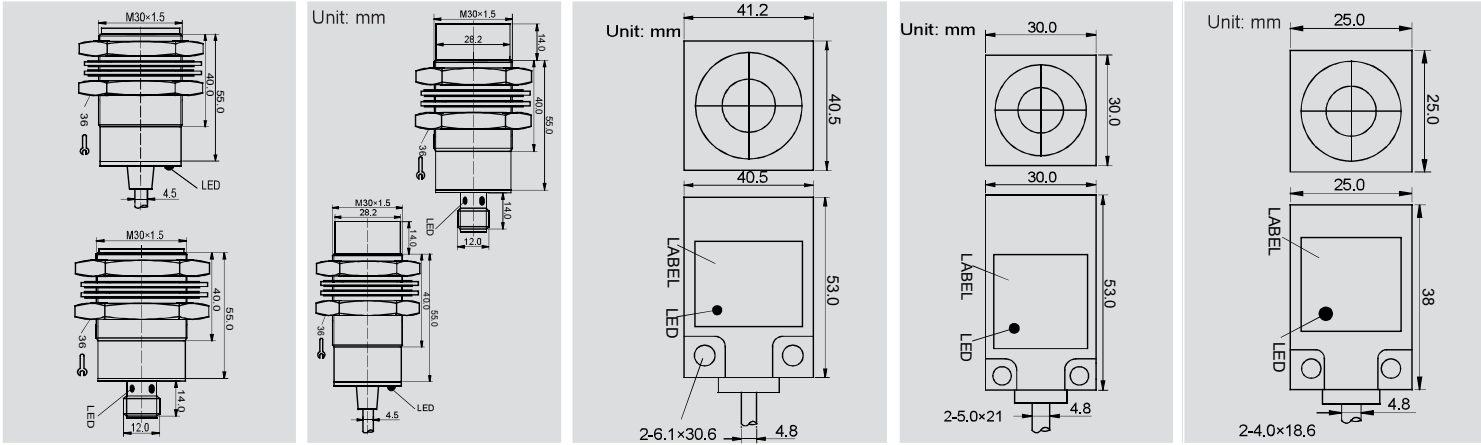
PNP	DC 3 wires	NO NC	CVSI/L-12PO2B CVSI/L-12PC2B CVSI/L-12POC2B	CVSI/L-12PO4B CVSI/L-12PC4B CVSI/L-12POC4B	CVSI/L-18PO5B CVSI/L-18PC5B CVSI/L-18POC5B	CVSI/L-18PO8B CVSI/L-18PC8B CVSI/L-18POC8B
	DC 4 wires	NO+NC				
NPN	DC 3 wires	NO NC	CVSI/L-12NO2B CVSI/L-12NC2B CVSI/L-12NOC2B	CVSI/L-12NO4B CVSI/L-12NC4B CVSI/L-12NOC4B	CVSI/L-18NO5B CVSI/L-18NC5B CVSI/L-18NOC5B	CVSI/L-18NO8B CVSI/L-18NC8B CVSI/L-18NOC8B
	DC 4 wires	NO+NC				
DC 2 wires		NO NC				
AC 2 wires		NO NC			CVSI/L-18AO5C	CVSI/L-18AO8C

Rated operational voltage(DC/AC)	24V DC/220V AC	24V DC/220V AC	24V DC/220V AC	24V DC/220V AC
Supply voltage(DC/AC)	10-30V DC/90-250V AC	10-30V DC/90-250V AC	10-30V DC/90-250V AC	10-30V DC/90-250V AC
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	200mA/300mA	200mA/300mA
Off-state current (NPN/PNP)	≤ 11 mA	≤ 11 mA	≤ 11 mA	≤ 10 mA
Leak current	≤ 20 μA	≤ 20 μA	≤ 20 μA	≤ 20 μA
Short Circuit / Polarity Reversal	NO / YES	NO / YES	YES / YES	YES / YES
Repeated accuracy	≤ 5%	≤ 5%	≤ 5%	≤ 5%
Ambient temperature range	-15...+60 ℃	-15...+60 ℃	-15...+60 ℃	-15...+60 ℃
Frequency (DC 3 wires/ AC 2 wires)	30Hz/10Hz	30Hz/10Hz/10Hz	30Hz/10Hz/10Hz	30Hz/10Hz/10Hz
Function indication	Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator

IP ratings (IEC60529)	IP67	IP67	IP67	IP67
Housing material	Brass nickle plated	Brass nickle plated	Brass nickle plated	Brass nickle plated
Material of sensing face	ABS	ABS	ABS	ABS
Connection	Wires	Connector	Wires	Connector
No. of wires × gauge	12×0.15mm		16×0.15mm	
Standard lenth of cable	2m	2m	2m	2m
Plug-in connector	/	C12-I/L-F-3/4-A/B	/	C12-I/L-F-3/4-A/B

- 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.

M30×1.5	M30×1.5	S41	S30	S25
Flush (shielded)	Nonflush (unshielded)	Non-Flush (unshielded)	Flush (shielded)	Flush (shielded)
15.0mm	25.0mm	20.0mm	15.0mm	10mm
0...13.5mm	0...13.5mm	0...18.0mm	0...13.5mm	0...9.0mm

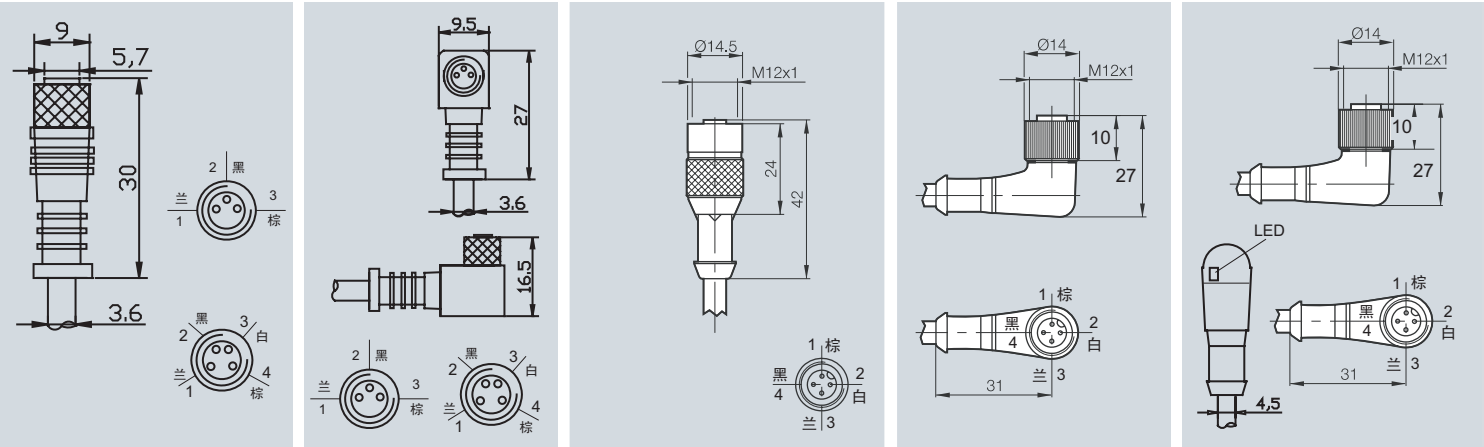


CVS-30PO15B CVS-30PC15B CVS-30POC15B	CVSI/L-30PO25B CVSI/L-30PC25B CVSI/L-30POC25B	CVS-S41PO20B CVS-S41PC20B CVS-S41POC20B	CVS-S30PO15B CVS-S30PC15B CVS-S30POC15B	CVS-S25PO10B CVS-S25PC10B CVS-S25POC10B
CVS-30NO15B CVS-30NC15B CVS-30NOC15B	CVSI/L-30NO25B CVSI/L-30NC25B CVSI/L-30NOC25B	CVS-S41NO20B CVS-S41NC20B CVS-S41NOC20B	CVS-S30NO15B CVS-S30NC15B CVS-S30NOC15B	CVS-S25NO10B CVS-S25NC10B CVS-S25NOC10B
CVSI/L-30AO15C CVSI/L-30AC15C	CVSI/L-30AO25C CVSI/L-30AC25C	CVS-S41AO20C CVS-S41AC20C	CVS-S30AO15C CVS-S30AC15C	CVS-S25AO10C CVS-S25AC10C

24V DC/220V AC	24V DC/220V AC	24V DC/220V AC	24V DC/220V AC	24V DC/220V AC
10-30V DC/90-250V AC	10-30V DC/90-250V AC	10-30V DC/90-250V AC	10-30V DC/90-250V AC	10-30V DC/90-250V AC
≤ 2.0V	≤ 2.0 V	≤ 2.0 V	≤ 2.0 V	≤ 2.0 V
≥20M Ω	≥20M Ω	≥20M Ω	≥20M Ω	≥20M Ω
200mA/300mA	200mA/300mA	200mA/300mA	200mA/300mA	200mA/300mA
≤ 10 mA	≤ 10 mA	≤ 15 mA	≤ 15 mA	≤ 15 mA
≤ 20 μA	≤ 20 μA	≤ 20 μA	≤ 20μA	≤ 20μA
YES / YES	YES / YES	YES / YES	YES / YES	YES / YES
≤ 5%	≤ 5%	≤ 5%	≤ 5%	≤ 5%
-15...+60 ℃	-15...+60 ℃	-15...+60 ℃	-15...+60 ℃	-15...+60 ℃
30Hz/10Hz/10Hz	30Hz/10Hz/10Hz	30Hz/10Hz/10Hz	30Hz/10Hz/10Hz	30Hz/10Hz/10Hz
Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator	Red LED Indicator

IP67	IP67	IP67	IP67	IP67
Brass nickle plated	Brass nickle plated	ABS	ABS	ABS
ABS	ABS	ABS	ABS	ABS
Wires	Connector	Wires	Wires	Wires
16×0.15mm		16×0.15mm	16×0.15mm	16×0.15mm
2m	2m	2m	2m	2m
/	C12-I/L-F-3/4-A/B	/	/	/

M8 Straight	M8 Angled	M12 Straight	M12 Angled	M12 Angled with LED
3/4 Pin, Female	3/4 Pin, Female	3/4 Pin, Female / Male	3/4 Pin, Female / Male	3/4 Pin, Female



S8-I-F3-A-L2	S8-L-F3-A-L2	S12-I-F3-A-L2	S12-L-F3-A-L2	S12-L-F3-B-L2
S8-I-F4-A-L2	S8-L-F4-A-L2	S12-I-F4-A-L2	S12-L-F4-A-L2	S12-L-F4-B-L2
		S12-I-M3-A-L2	S12-L-M3-A-L2	
		S12-I-M4-A-L2	S12-L-M4-A-L2	

Standard lenght	2m	2m	2m	2m	2m
Core wire, mm²	9×0.12	9×0.12	12×0.12	12×0.12	12×0.12
Material	PVC	PVC	PVC	PVC	PVC
LED	Non	Non	Non	Non	Have
Protection class	IP67	IP67	IP67	IP67	IP67

产品命名方式 Naming rules

连接线缆 Connection cable

S 12 - L F 4 A L2 - □□□□

1 2 3 4 5 6 7 8

1.连接器形状 Connector classification

S:标准型 Standard
C:定制型 Customized

2.连接器规格 Connector specification

8:M8连接器 M8 connector
12:M12连接器 M12 connector

3.出线方向 Direction of Lead wire

I:180°直头 180° straight angle
L:90°弯头 90° right angle

4.螺纹形式 Thread type

F :内螺纹连接 Internal thread connection
M :外螺纹连接 External thread connection

5.连接线芯数 Pin number

3:3芯 3 pin Brow, Blue, Black
4:4芯 4 pin Brow, Blue, Black, White

6.输出方式 Connector classification

A :无LED,通用型
B :带LED

7.线缆长度 Cable length

L2:2米电缆线 2m cable
L5:5米电缆线 5m cable