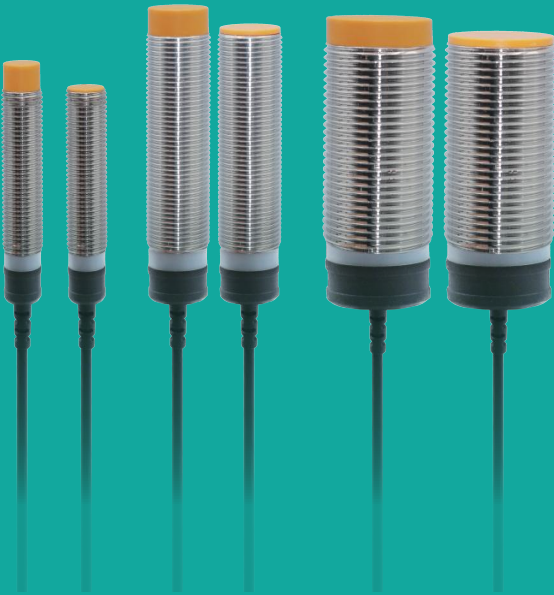


EB-M 3-WIRE
CYLINDRICAL
PROXIMITY
SENSOR



Cylindrical proximity sensor

Complete category

The product specification is complete in size, and the model can be selected according to the installation requirements.

Quality assurance

Adopts specialized IC for longer service life.

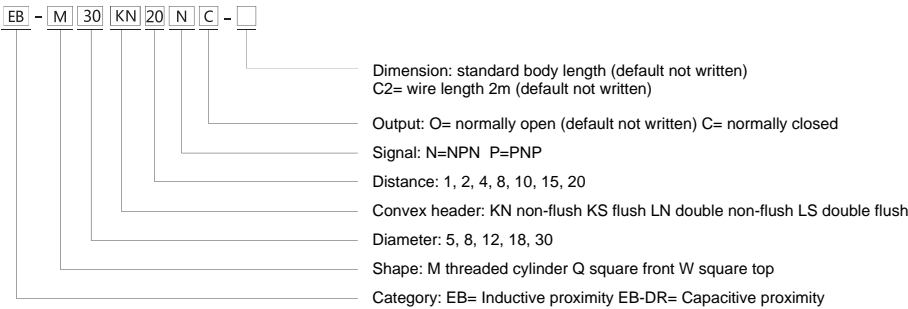
Protection circuit

Surge protection circuit, short circuit protection, reverse polarity protection.

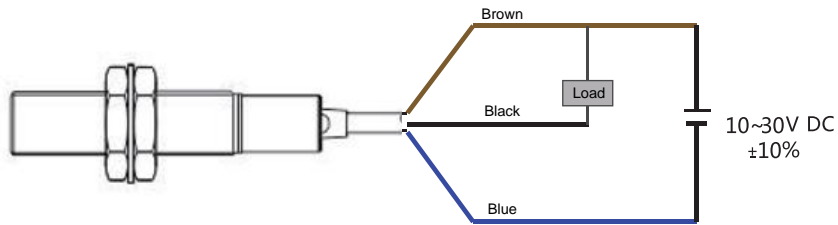
Protection level IP67

Realizes IP67 protective construction, excellent resistance to water and oil.

Selection rule



Connection diagram



Cylindrical proximity sensor

Category

Standard distance type	Category	Dimension	Detection distance	NPN type		PNP type		Output action
	Flush	M5	1mm	EB-M05KS01N		EB-M05KS01P		Normally open
				EB-M05KS01NC		EB-M05KS01PC		Normally close
	Flush	M8	1.5mm	EB-M08KS01N		EB-M08KS01P		Normally open
				EB-M08KS01NC		EB-M08KS01PC		Normally close
	Non-flush	M8	2mm	EB-M08KN02N		EB-M08KN02P		Normally open
				EB-M08KN02NC		EB-M08KNO2PC		Normally close
	Flush	M12	2mm	EB-M12KS02N		EB-M12KS02P		Normally open
				EB-M12KS02NC		EB-M12KS02PC		Normally close
	Non-flush	M12	4mm	EB-M12KN04N		EB-M12KN04P		Normally open
				EB-M12KN04NC		EB-M12KN04PC		Normally close
	Flush	M18	4mm	EB-M18KS04N		EB-M18KS04P		Normally open
				EB-M18KS04NC		EB-M18KS04PC		Normally close
	Non-flush	M18	8mm	EB-M18KN08N		EB-M18KN08P		Normally open
				EB-M18KN08NC		EB-M18KN08PC		Normally close
	Flush	M30	10mm	EB-M30KS10N		EB-M30KS10P		Normally open
				EB-M30KS10NC		EB-M30KS10PC		Normally close
	Non-flush	M30	16mm	EB-M30KN16N		EB-M30KN16P		Normally open
				EB-M30KN16NC		EB-M30KN16PC		Normally close

Slotted sensor

Optical fiber sensor

Displacement sensor

Safety sensor






Photoelectric sensor

Proximity sensor

Specialized sensor

Cylindrical proximity sensor

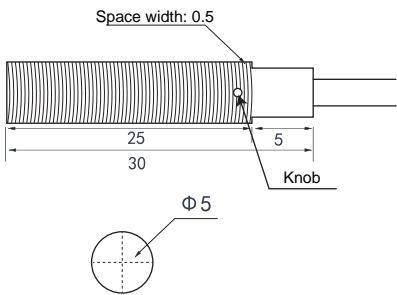
Product parameters

Model Item		Category								
										
		EB-M05KS	EB-M08KS EB-M08KN		EB-M12KS EB-M12KN		EB-M18KS EB-M18KN		EB-M30KS EB-M30KN	
Outer diameter size		5mm	8mm		12mm		18mm		30mm	
Detection distance		1.0mm±10%		2mm±10%		4mm±10%		8mm±10%		15mm±10%
Setting distance		0~1.2mm		0~1.6mm		0~4mm		0~8mm		0~14mm
Detecting objects (iron)		8×8×1mm		12×12×1mm		18×18×1mm		30×30×1mm		54×54×1mm
Answer frequency		1KHZ						500HZ		
Repeated accuracy		0.01mm								
Detecting objects		Magnetic metal (reduced detection distance for non-magnetic metal)								
Hysteresis distance		Less than 10% of detection distance								
Power supply voltage		10~30VDC								
Current consumption		10mA or below								
Control output		Load power supply current 100mA or below (residual voltage 1V or below)								
Indicator light		Action indicator light (red)								
Motion form		NO: Normally open NC: Normally close								
Protection circuit		Surge protection circuit, short circuit protection, reverse polarity protection								
Ambient temperature		In action: -25 to +70°C In storage: -40 to 85°C (no icing)								
Environmental humidity		In action, in storage: 35-90% RH each (non-frosting)								
Temperature effect		Temperature range -25~70℃, detection distance changes within ±15% for every 23℃ difference.								
Voltage effect		When the rated power supply voltage fluctuates within +15%, the detection distance changes within +1%								
Insulation impedance		50MΩ or above (DC500 megohmmeter) between the charging part and housing								
Voltage-resistant		AC1000V or above at 50/60Hz for 1min between the charging part and housing								
Vibration (durable)		10~55Hz,1.5mm double amplitude, reaches 2h in each direction of X, Y, Z								
Impact (durable)		500m/s² double amplitude, 10 times in each direction of X, Y, Z								
Protection structure		IP67								
Link method		Wire lead type (standard 2m)								
Material	Housing	Copper plating								
	Detection surface	PBT								
	Fastening nut	Brass plating								
	Washer with teeth	Ferrous plating								

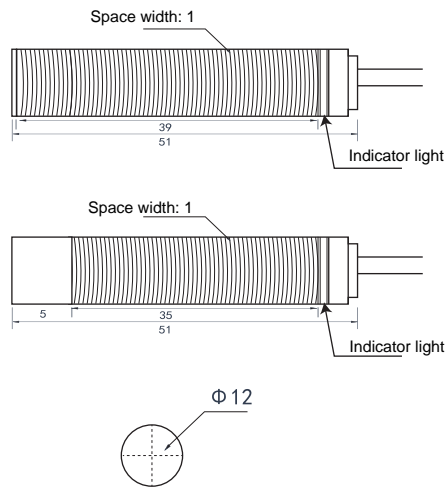
Cylindrical proximity sensor

Dimension diagram (unit: mm)

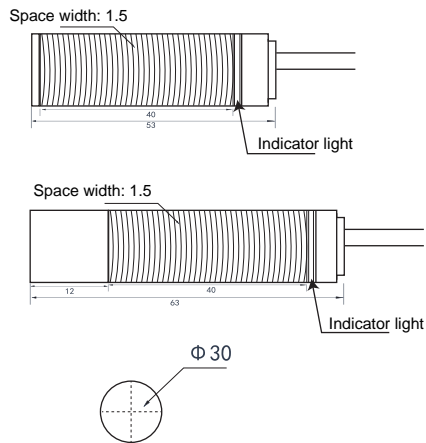
EB-M05KS/KN



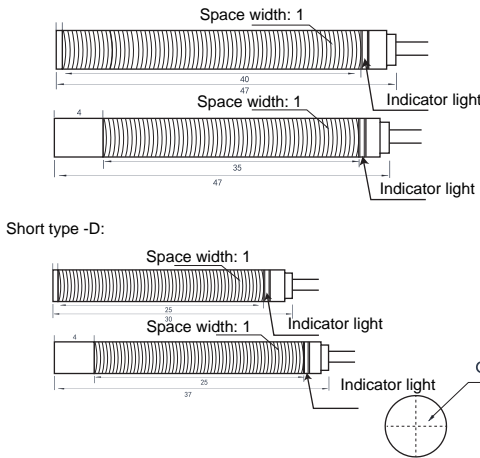
EB-M12KS/KN



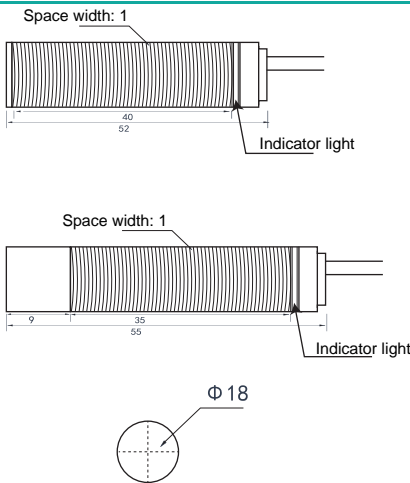
EB-M30KS/KN



EB-M08KS/KN

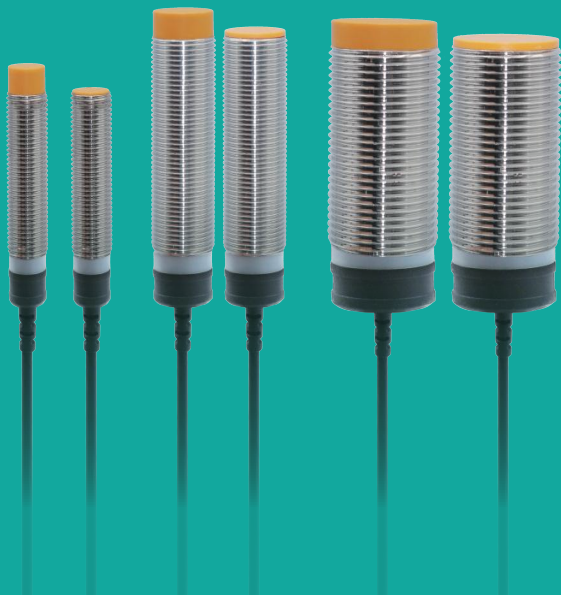


EB-M18KS/KN



- Slotted sensor
- Optical fiber sensor
- Displacement sensor
- Safety sensor
- Photoelectric sensor
- Proximity sensor
- Specialized sensor

EB-M DOUBLE
DISTANCE
CYLINDRICAL
PROXIMITY
SENSOR



Cylindrical proximity sensor

Complete category

The product specification is complete in size, and the model can be selected according to the installation requirements.

Quality assurance

Adopts specialized IC for longer service life.

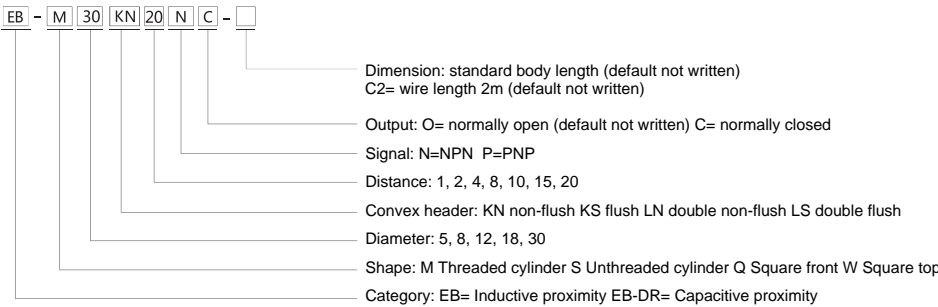
Protection circuit

Surge protection circuit, short circuit protection, reverse polarity protection.

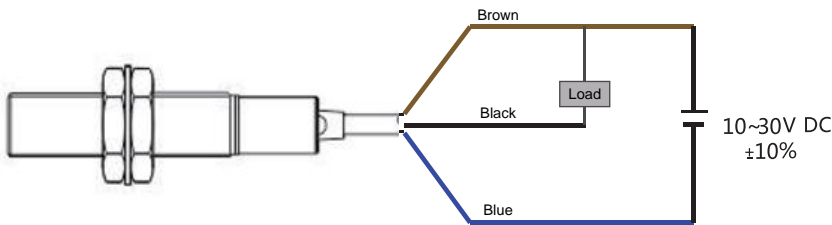
Protection level IP67

Realizes IP67 protective construction, excellent resistance to water and oil.

Selection rule



Connection diagram








Square proximity sensor

Category

Category	Flush	Dimension	Detection distance	NPN type		PNP type		Output action
		M5	1.5mm	EB-M05LS015N	EB-M05LS015NC	EB-M05LS015P	EB-M05LS015PC	
Double distance type	Flush	S6	2mm	EB-S06LSO2N	EB-S06LSO2NC	EB-S06LSO2P	EB-S06LSO2PC	Normally open
				EB-S06LSO2N	EB-S06LSO2NC	EB-S06LSO2P	EB-S06LSO2PC	Normally close
	Non-flush	S6	4mm	EB-S06LN04N	EB-S06LN04NC	EB-S06LN04P	EB-S06LN04PC	Normally open
				EB-S06LN04N	EB-S06LN04NC	EB-S06LN04P	EB-S06LN04PC	Normally close
	Flush	M8	2mm	EB-M08LSO2N	EB-M08LSO2NC	EB-M08LSO2P	EB-M08LSO2PC	Normally open
				EB-M08LSO2N	EB-M08LSO2NC	EB-M08LSO2P	EB-M08LSO2PC	Normally close
	Non-flush	M8	4mm	EB-M08LN04N	EB-M08LN04NC	EB-M08LN04P	EB-M08LN04PC	Normally open
				EB-M08LN04N	EB-M08LN04NC	EB-M08LN04P	EB-M08LN04PC	Normally close
	Flush	M12	4mm	EB-M12LSO4N	EB-M12LSO4NC	EB-M12LSO4P	EB-M12LSO4PC	Normally open
				EB-M12LSO4N	EB-M12LSO4NC	EB-M12LSO4P	EB-M12LSO4PC	Normally close
	Non-flush	M12	8mm	EB-M12LN08N	EB-M12LN08NC	EB-M12LN08P	EB-M12LN08PC	Normally open
				EB-M12LN08N	EB-M12LN08NC	EB-M12LN08P	EB-M12LN08PC	Normally close
	Flush	M18	8mm	EB-M18LSO8N	EB-M18LSO8NC	EB-M18LSO8P	EB-M18LSO8PC	Normally open
				EB-M18LSO8N	EB-M18LSO8NC	EB-M18LSO8P	EB-M18LSO8PC	Normally close
	Non-flush	M18	15mm	EB-M18LN15N	EB-M18LN15NC	EB-M18LN15P	EB-M18LN15PC	Normally open
				EB-M18LN15N	EB-M18LN15NC	EB-M18LN15P	EB-M18LN15PC	Normally close
	Flush	M30	15mm	EB-M30LS15N	EB-M30LS15NC	EB-M30LS15P	EB-M30LS15PC	Normally open
				EB-M30LS15N	EB-M30LS15NC	EB-M30LS15P	EB-M30LS15PC	Normally close
	Non-flush	M30	25mm	EB-M30LN25N	EB-M30LN25NC	EB-M30LN25P	EB-M30LN25PC	Normally open
				EB-M30LN25N	EB-M30LN25NC	EB-M30LN25P	EB-M30LN25PC	Normally close

Cylindrical proximity sensor

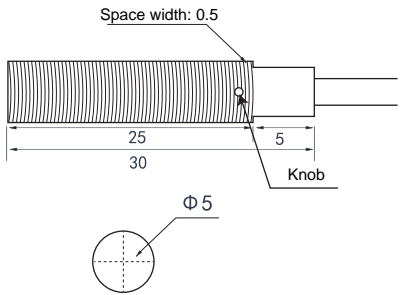
Product parameters

Model Item		Category									
											
		EB-M05LS	EB-M08LS EB-M08LN		EB-M12LS EB-M12LN		EB-M18LS EB-M18LN		EB-M30LS EB-M30LN		
Outer diameter size		5mm		8mm		12mm		18mm		30mm	
Detection distance		1.5mm±10%		2mm±10%	4mm±10%		8mm±10%		15mm±10%		25mm±10%
Setting distance		0~1.2 mm		0~1.6 mm	0~4 mm		0~8 mm		0~14 mm		0~14 mm
Detecting objects (iron)		8×8x1mm		12×12x1mm	15×15x1mm	18×18x1mm	30×30x1mm		54x54x1mm		54x54x1mm
Answer frequency		1KHZ					500HZ				
Repeated accuracy		0.01mm									
Detecting objects		Magnetic metal (reduced detection distance for non-magnetic metal)									
Hysteresis distance		Less than 10% of detection distance									
Power supply voltage		10~30VDC									
Current consumption		10mA or below									
Control output		Load power supply current 100mA or below (residual voltage 1V or below)									
Indicator light		Action indicator light (red)									
Motion form		NO: Normally open NC: Normally close									
Protection circuit		Surge protection circuit, short circuit protection, reverse polarity protection									
Ambient temperature		In action: -25 to +70°C In storage: -40 to 85°C (no icing)									
Environmental humidity		In action, in storage: 35-90% RH each (non-frosting)									
Temperature effect		Temperature range -25~70 , detection distance changes within ±15% for every 23 difference.									
Voltage effect		When the rated power supply voltage fluctuates within +15%, the detection distance changes within +1%									
Insulation impedance		50M or above (DC500 megohmmeter) between the charging part and housing									
Voltage-resistant		AC1000V or above at 50/60Hz for 1min between the charging part and housing									
Vibration (durable)		10~55Hz,1.5mm double amplitude, reaches 2h in each direction of X, Y, Z									
Impact (durable)		500m/s² double amplitude, 10 times in each direction of X, Y, Z									
Protection structure		IP67									
Link method		Wire lead type (standard 2m)									
Material	Housing	Copper plating									
	Detection surface	PBT									
	Fastening nut	Brass plating									
	Washer with teeth	Ferrous plating									

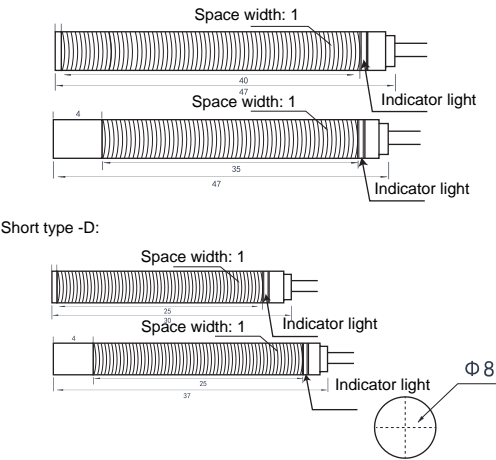
Cylindrical proximity sensor

Dimension diagram (unit: mm)

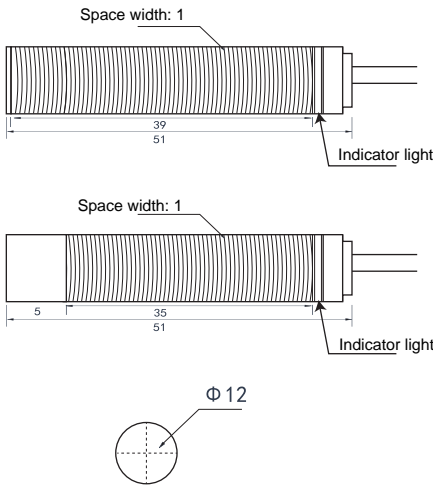
EB-M05LS/LN



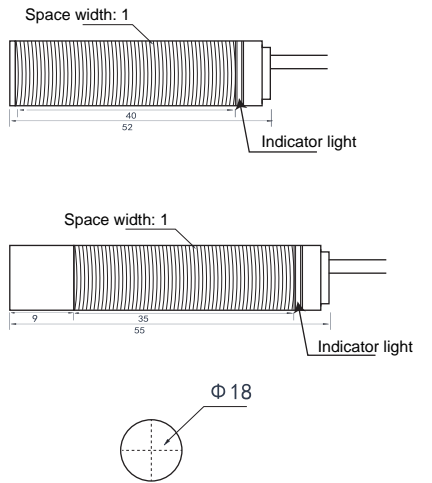
EB-M08LS/LN



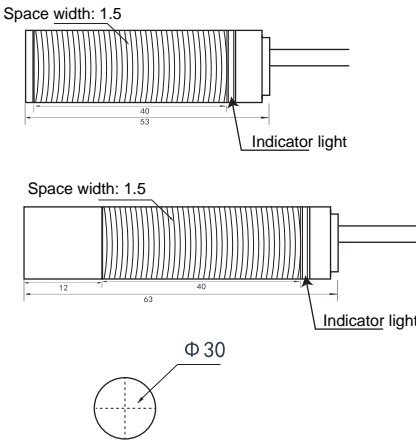
EB-M12LS/LN



EB-M18LS/LN



EB-M30LS/LN



EB SQUARE
PROXIMITY
SENSOR



Square proximity sensor

Complete category

A wide range of products are available for a variety of limiting control, counting control, etc. Models can be selected according to installation requirements.

Quality assurance

Adopts specialized IC for longer service life.






Easy installation

Easy to install and can be used for high-speed pulse generators, high-speed rotary controllers, etc.

Cost advantage

Realization of high-performance, cost-effective standard proximity sensors.

Category

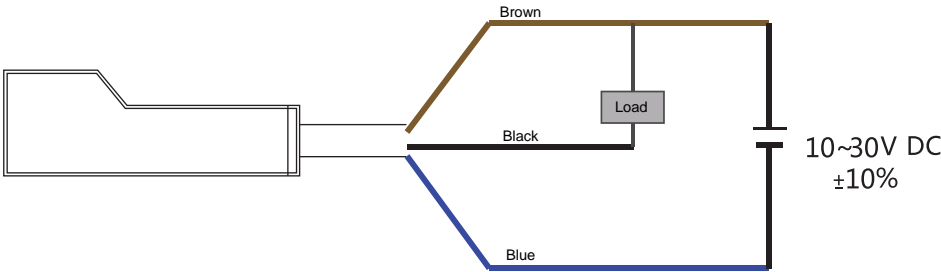
Shape			Detection distance	Output form	Model	
					Action mode	
					NO	NC
Unshielded		□ 8	2mm	NPN	EB-Q2N	EB-Q2NC
		□ 12	3mm		EB-Q3N	EB-Q3NC
		□ 17	4mm		EB-Q4N	EB-Q4NC
		□ 17	5mm		EB-Q5N	EB-Q5NC
		□ 25	10mm		EB-Q10N	EB-Q10NC

Square proximity sensor

Product parameters

Item		model	EB-Q2N	EB-Q3N	EB-Q4N	EB-Q5N	EB-Q10N
Detection distance			2mm	3mm	4mm	5mm	10mm
Setting distance			0-1.5mm	0-2.5mm	0-3.5mm	0-4.5mm	0-9mm
Hysteresis			Less than 10% of detection distance				
Detectable object			Magnetic metal				
Standardized detecting object			Iron 8×8×1mm	Iron 15×15×1mm			
Response time			--	2ms or below			
Response frequency			500 Hz				
Power supply voltage (service voltage range)			DC12~24V Ripple (P-p) 10% or below (DC10~30V)				
Current consumption			15mA or below (at DC24V, no load)			10mA or below (when DC24V)	
Control output	Switching capacity	NPN open collector 100mA or below (DC30V or below)			NPN open collector, 50mA or below (DC30V or below) PNP open collector, 50mA or below (DC30V or below)		
	Residual voltage	1V or below (at load current of 100mA and wire length of 2m)			1V or below (at load current of 100mA and wire length of 2m)		
Indicator light			Detection display (red)				
Action mode (when detecting the proximity of object)			NO			NO	
			Metal detection only				
Protection circuit			Reverse connection protection, surge absorption				
Ambient temperature range			When operating and storage: -10~+60 each (no icing or condensation)			When operating and storage: -25~+70 each (no icing or condensation)	
Ambient humidity range			When operating and storage: 35~95% RH each (no condensation)				
Temperature effect			Within ±10% of the detection distance at +23 in the temperature range of -10~+60			Within ±20% of the detection distance at +23 in the temperature range of -25~+70	
Voltage effect			Within ±10% of rated power supply voltage, ±2.5% or below of detection distance at rated power supply voltage				
Insulation resistance			50M or above (DC500V megohmmeter) between the whole charging part and housing			50M or above (DC500V megohmmeter) between the whole charging part and housing	
Voltage-resistant			AC1,000V 1min between the whole charging part and housing			AC500V50/60Hz 1min between the whole charging part and housing	
Vibration (durable)			10~55Hz upper and lower amplitude 1.5mm 2h in each direction of X, Y, Z				
Impact (durable)			1,000m/s² 10 times in each direction of X, Y, Z			200m/s² 10 times in each direction of X, Y, Z	
Protection structure			IEC standard IP67, intracompany standard oil resistance			IEC standard IP67	
Connection method			Direct outgoing wire 2 meters				
Quality (after packaging)			Approx. 60g			Approx. 90g	
Material	Housing	Heat-resistant ABS					
	Detection surface						

Wiring diagram



EB FLAT
PROXIMITY
SENSOR



Square proximity sensor

Installation Method

There are top detection/front detection types.

Can be installed anywhere

The sensor is only the size of a fingertip and is not limited by any installation space.












Cost advantage

Realization of high-performance, cost-effective standard proximity sensors.

Bend-resistant cable type available

Improves bending resistance by 10 times (note: -GR). Best suited for movable parts such as robot arms.



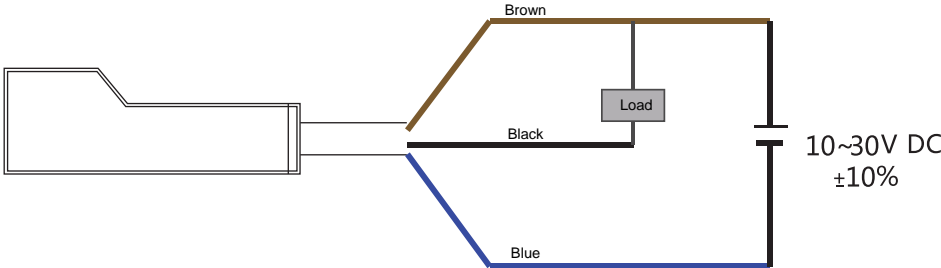
Shape		Detection distance	Output form	Model	
				Action mode	
				NO	NC
Unshielded 		□ 8  2mm	NPN	EB-W2N	EB-W2NC
		□ 8  2mm		EB-WS2N	EB-WS2NC
		□ 10  3mm		EB-W3N	EB-W3NC
		□ 12  4mm		EB-W4N	EB-W4NC
		□ 17  5mm		EB-W5N	EB-W5NC

Square proximity sensor

Product parameters

Item model		EB-W2N	EB-WS2N	EB-W3N	EB-W4N	EB-W5N
Detection distance		2mm		3mm		5mm
Setting distance		0-1.5mm		0-2.5mm		0-4.5mm
Hysteresis		Less than 10% of detection distance				
Detectable object		Magnetic metal				
Standardized detecting object		Iron 8×8×1mm		Iron 15×15×1mm		
Response time		--		2ms or below		
Response frequency		500 Hz				
Power supply voltage (service voltage range)		DC12~24V Ripple (P-p) 10% or below (DC10~30V)				
Current consumption		15mA or below (at DC24V, no load)		10mA or below (when DC24V)		
Control output	Switching capacity	NPN open collector 100mA or below (DC30V or below)		NPN open collector, 50mA or below (DC30V or below) PNP open collector, 50mA or below (DC30V or below)		
	Residual voltage	1V or below (at load current of 100mA and wire length of 2m)		1V or below (at load current of 100mA and wire length of 2m)		
Indicator light		Detection display (red)				
Action mode (when detecting the proximity of object)		NO		NO		
Protection circuit		Metal detection only				
Protection circuit		Reverse connection protection, surge absorption				
Ambient temperature range		When operating and storage: -10~+60 each (no icing or condensation)		When operating and storage: -25~+70 each (no icing or condensation)		
Ambient humidity range		When operating and storage: 35~95% RH each (no condensation)				
Temperature effect		Within ±10% of the detection distance at +23 in the temperature range of -10~+60		Within ±20% of the detection distance at +23 in the temperature range of -25~+ 70		
Voltage effect		Within ±10% of rated power supply voltage, ±2.5% or below of detection distance at rated power supply voltage				
Insulation resistance		50M or above (DC500V megohmmeter) between the whole charging part and housing		50M or above (DC500V megohmmeter) between the whole charging part and housing		
Voltage-resistant		AC1,000V 1min between the whole charging part and housing		AC500V50/60Hz 1min between the whole charging part and housing		
Vibration (durable)		10~55Hz upper and lower amplitude 1.5mm 2h in each direction of X, Y, Z				
Impact (durable)		1,000m/s² 10 times in each direction of X, Y, Z		200m/s² 10 times in each direction of X, Y, Z		
Protection structure		IEC standard IP67, intracompany standard oil resistance		IEC standard IP67		
Connection method		Direct outgoing wire 2 meters				
Quality (after packaging)		Approx. 60g		Approx. 90g		
Material	Housing	Heat-resistant ABS				
	Detection surface					

Wiring diagram

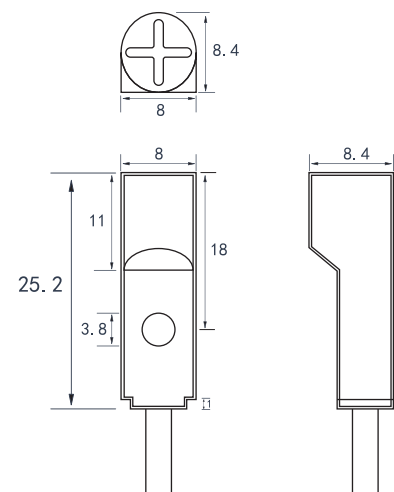


- Slotted sensor
- Optical fiber sensor
- Displacement sensor
- Safety sensor
- Photoelectric sensor
- Proximity sensor
- Specialized sensor

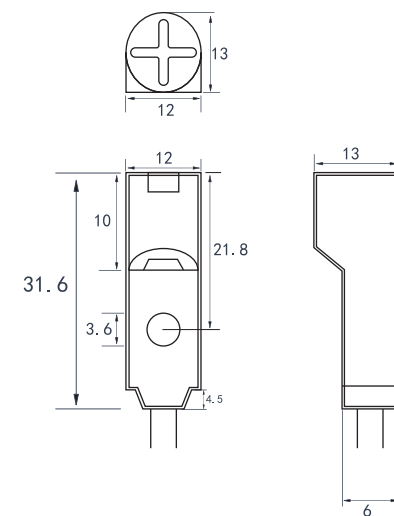
Square proximity sensor

Dimension diagram (unit: mm)

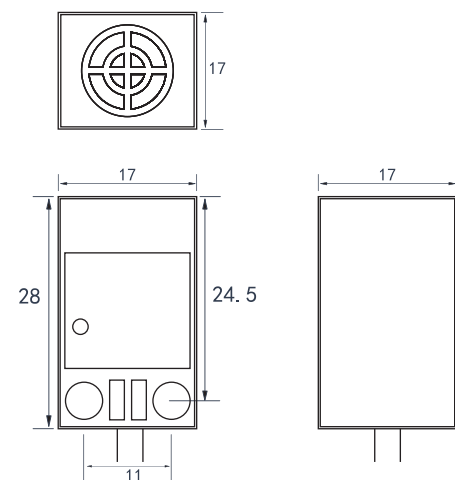
EB-Q2N



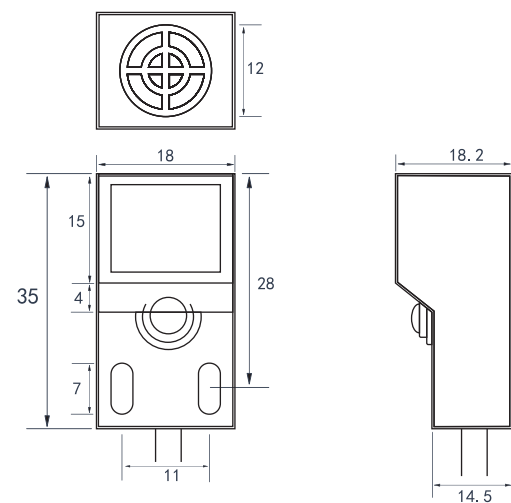
EB-Q3N



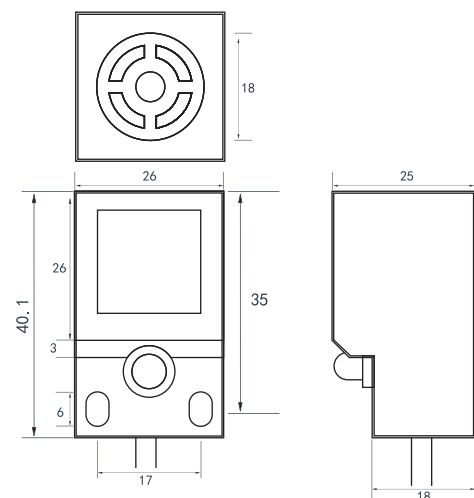
EB-Q4N



EB-Q5N



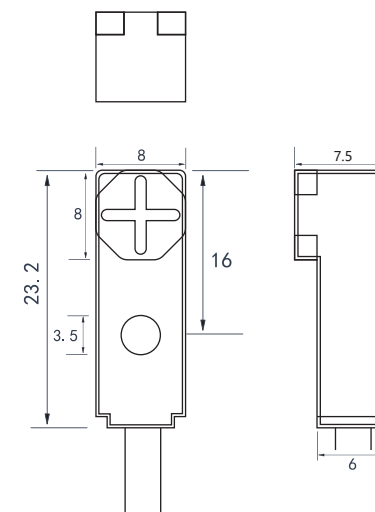
EB-Q10N



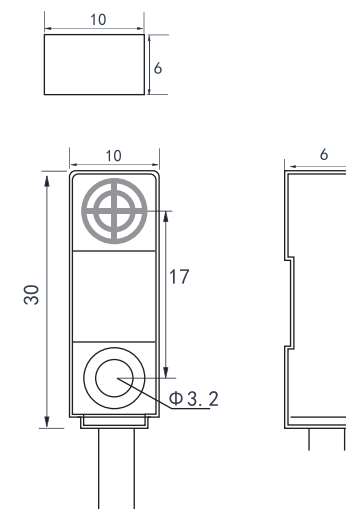
Square proximity sensor

Dimension diagram (unit: mm)

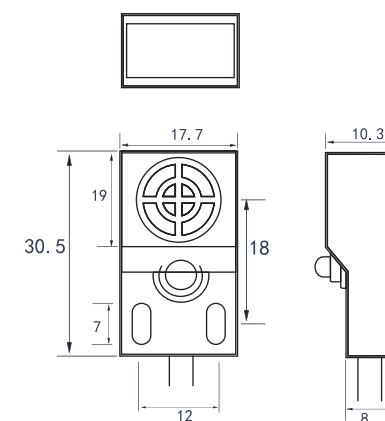
EB-W2N



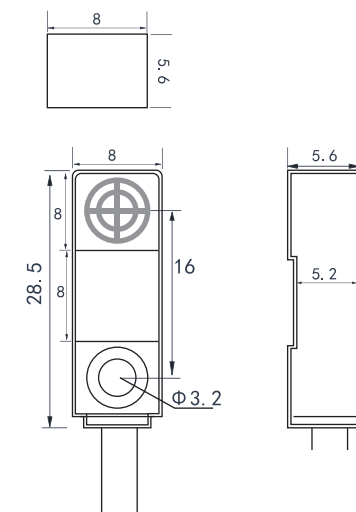
EB-W3N



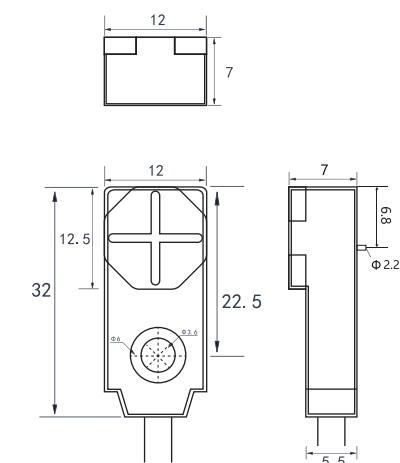
EB-W5N



EB-WS2N



EB-W4N



EB-C 3-WIRE RING PROXIMITY SENSOR

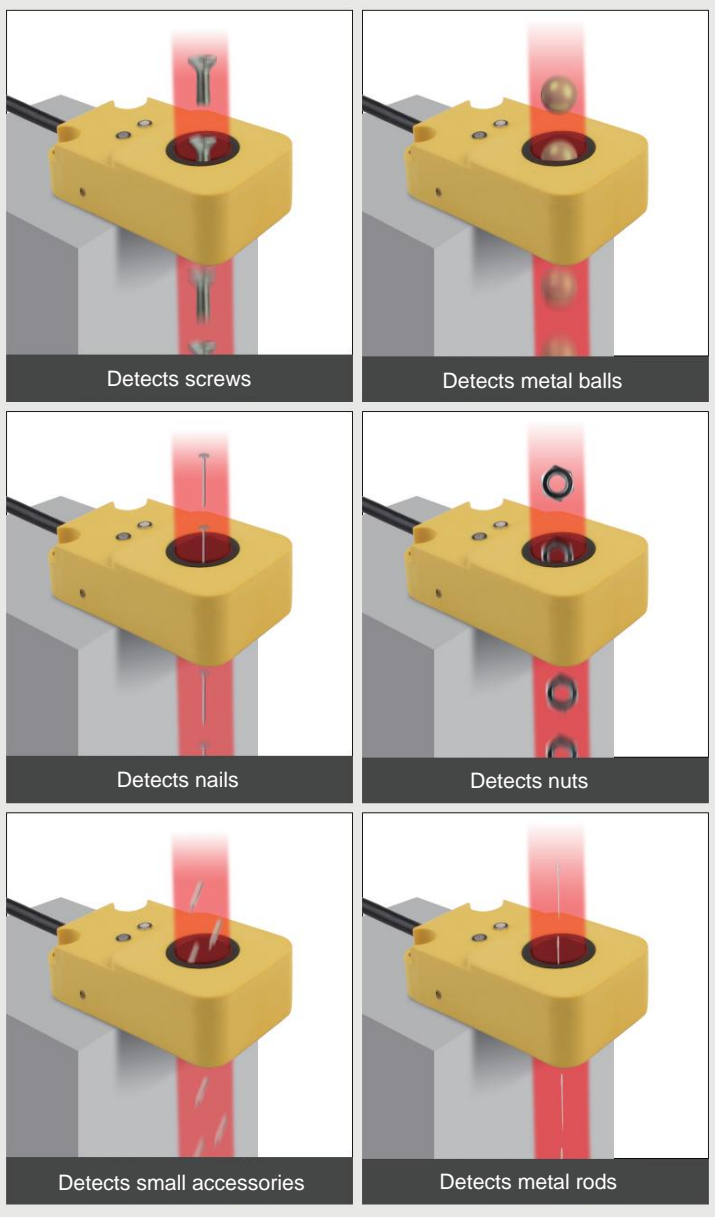


Ring proximity sensor

Characteristics




- ▶ Non-contact position detection, wear-free and highly reliable
- ▶ High sensitivity, high repeated accuracy, product service life up to 8 years
- ▶ A wide range of housing materials, from stainless steel and nickel-copper alloys to plastics and Teflon coatings
- ▶ Complete range of sizes, covering almost all sizes
- ▶ IP67 protection level design, excellent water and oil resistance

Application scenario

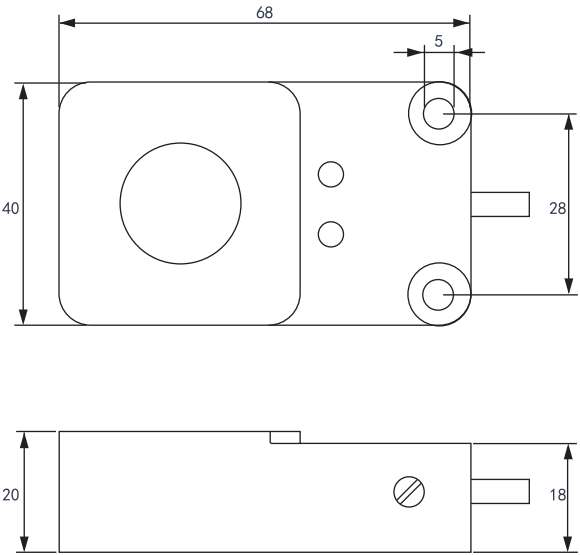


Ring proximity sensor

Product parameters

Appearance			
Model	EB-C06	EB-C10	EB-C15
Hole diameter	6mm	10mm	15mm
Hole height	20mm		
Operating voltage	10~30VDC (voltage fluctuation <10%)		
Residual voltage	<1.5V		
Max. carry current	150mA		
Current consumption	<15mA		
Leakage current	<10mA		
Switching frequency	2 KHz	1.5 KHz	1 KHz
Minimum detected object	D=2.5mm;L=4mm	D=3mm;L=6mm	D=6mm;L=12mm
Repeated accuracy	<2.0%(Sr)		
Hysteresis	<15%(Sr)		
Housing material	PBT		
Operating temperature	-25 ~+75		
Protection circuit	Short circuit protection/reverse polarity protection		
Protection level	IP67		

Dimension diagram (unit: mm)



EB-DRM
CAPACITIVE
PROXIMITY
SENSOR



Capacitive proximity sensor

Characteristics

Able to sense any object



Metallic conductor



Insulator



Non-metallic plastic



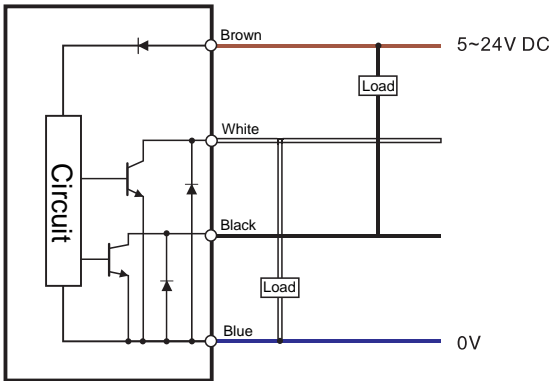
Liquid

- ▶ Sensitivity adjustable
- ▶ Detects all objects such as water, plastics, human body, etc.
- ▶ Strong anti-interference, adaptable to various complex industrial environments

The detection distance varies depending on the conductivity and dielectric constant of different materials.



Material	Water	Alcohol	Glass	Wood	Paper	Rubber	Crystal	Nylon
Action distance	100%	85%	40%	30%	25%	30%	20%	20%

Circuit



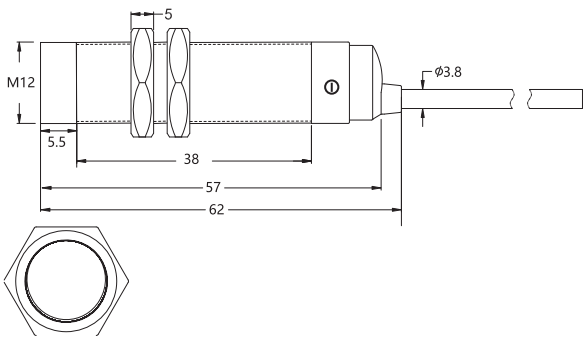
Capacitive proximity sensor

Product parameters

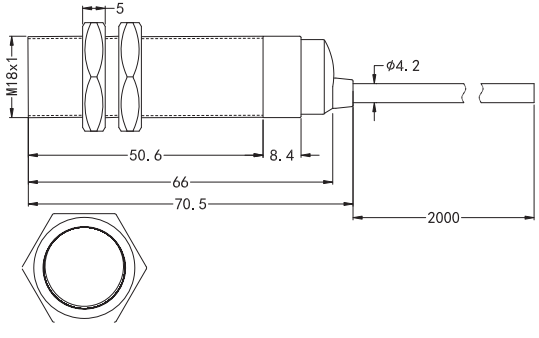
Appearance		
Model	EB-DRM12	EB-DRM18
Dimension	M12 Front sensing	M18 Front sensing
Detection distance	0~6mm Distance adjustable	0~12mm Distance adjustable
Detectable object	Metal, water, oil, glass, plastic, paper	
Operating voltage	12~24VDC (voltage fluctuation <10%)	
Residual voltage	<1.5V	
Max. carry current	100mA	
Current consumption	<22 m	
Leakage current	<1.1mA	
Response time	14ms	
Isolation resistance	20M (500VDC)	
Hysteresis	<10%(Sr)	
Insulation and voltage resistance	AC 1000V 60Hz for 60 Sec	
Operating temperature	-20 ~+60	
Protection level	P66	
Wire outgoing method	4.2*2m 4-core wire	
Weight	Approx. 78g	

Dimension diagram (unit: mm)

EB-DRM12



EB-DRM18



EB-DRF CAPACITIVE PROXIMITY SENSOR



Capacitive proximity sensor

Characteristics

Able to sense any object



Metallic conductor



Insulator



Non-metallic plastic



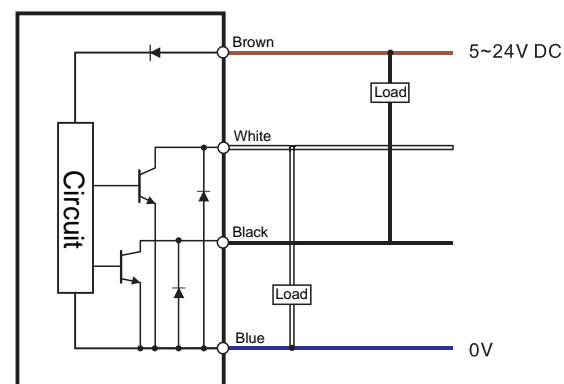
Liquid

- ▶ Sensitivity adjustable
- ▶ Detects all objects such as water, plastics, human body, etc.
- ▶ Strong anti-interference, adaptable to various complex industrial environments

The detection distance varies depending on the conductivity and dielectric constant of different materials.



Material	Water	Alcohol	Glass	Wood	Paper	Rubber	Crystal	Nylon
Action distance	100%	85%	40%	30%	25%	30%	20%	20%

Circuit



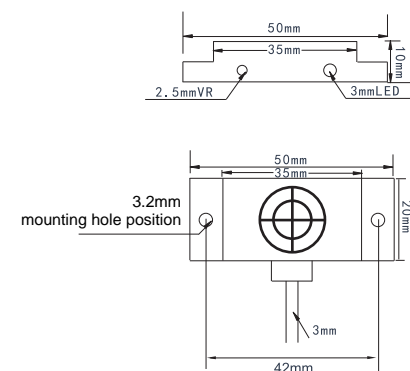
Capacitive proximity sensor

Product parameters

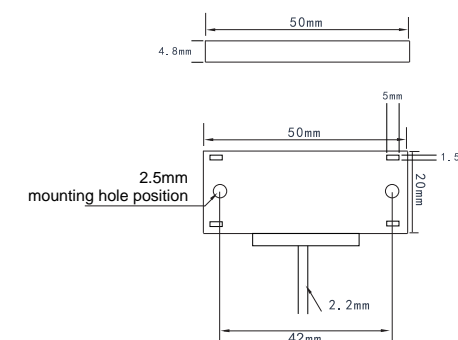
Appearance		
Model	EB-DRF10	EB-DRF05
Dimension	Flat top sensing	Flat top sensing
Detection distance	0~10mm Distance adjustable	0~5 mm
Detectable object	Plastic, Black/Blue	
Operating voltage	24VDC (Ripple<10%)	
Residual voltage	1.5V@1L=50mA	
Max. carry current	NPN or PNP-NO/NC	
Current consumption	50mA	
Leakage current	100mA	
Response time	100 Hz	
Isolation resistance	<5%	
Hysteresis	0 ~+60	
Insulation and voltage resistance	20%	
Operating temperature	-30 ~+75	
Protection level	Reverse polarity protection, pulse overvoltage protection, short circuit protection	
Wire outgoing method	IP67	
Weight	50g	

Dimension diagram (unit: mm)

EB-DRF10



EB-DRF05



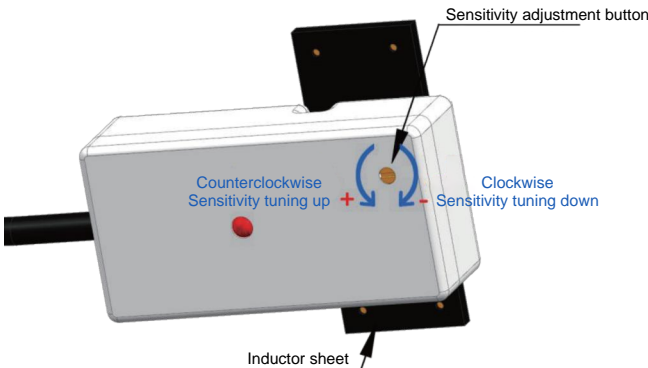
EB-DRY
CAPACITIVE
LIQUID LEVEL
SENSOR



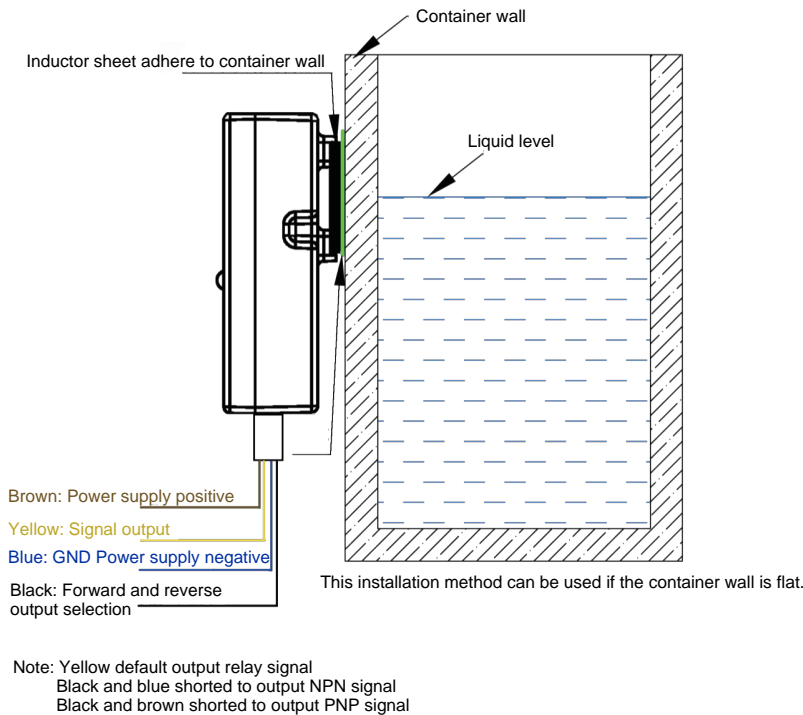
Capacitive liquid level sensor

Characteristics

- ▶ Intelligent non-contact liquid level sensor (hereinafter referred to as liquid level sensor)
- ▶ Adopts advanced signal processing technology and a high-speed signal processing chip,
- ▶ Realizes truly non-contact detection of liquid level height in closed containers.



Wiring method

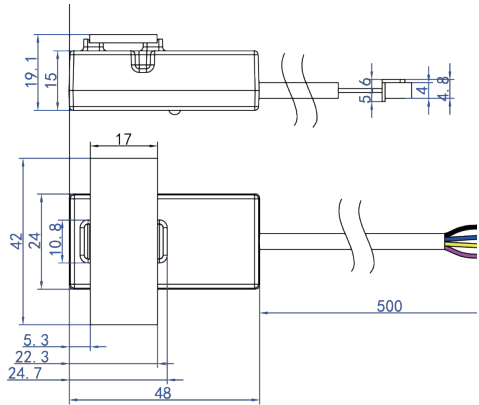


Capacitive liquid level sensor

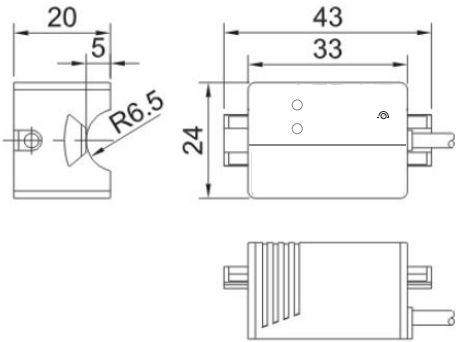
Product parameters

Project name	EB-DRY Capacitive Liquid Level Sensor			
Product specifications	EB-DRY28NO	EB-DRY28NC	EB-DRY15N	EB-DRY15P
DC Input voltage	5-24VDC	5-24VDC	5-24VDC	5-24VDC
Output method	Normally open	Normally close	NPN	PNP
Current consumption	13mA			
Output current	DC24V/2A			
Response time	500mS			
Working environment temperature	-20~105			
Inductive sensitivity	Pipe outer diameter D(mm)		Inductive pipe wall thickness L(mm)	
	D 100		20±3	
	100>D 80		15±2	
	80>D 60		12±1.5	
	60>D 40		7±1.0	
	40>D 30		5±1.0	
	30>D 20		3±1.0	
	20>D 10		1.5±0.5	
Applicable pipe diameter range	11mm			
Liquid level accuracy	±1.5mm			
Humidity	5%~100%			
Wire length	500MM(±10MM)(customizable for batch)			
Line end definition	Brown (power supply positive), yellow (signal output)			
	Blue (power supply negative), black (COM terminal)			
Material	PC-VO fireproof material			
Waterproof performance	IP65			
Safety standard certification	CE			
Environmental certification	ROHS2.0			

Dimension diagram (unit: mm)



EB-DRY28



EB-DRY15

- Slotted sensor
- Optical fiber sensor
- Displacement sensor
- Safety sensor
- Photoelectric sensor
- Proximity sensor
- Specialized sensor

EB-HE HALL PROXIMITY SWITCH



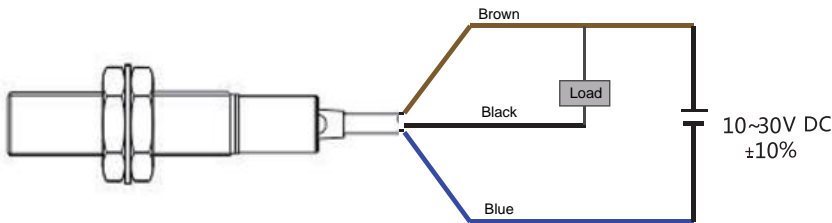
Hall proximity switch

Characteristics

Hall proximity switch working principle:

When a piece of metal or semiconductor sheet with current is placed perpendicularly in the magnetic field, the two ends of the sheet will produce a potential difference, this phenomenon is called the Hall effect, the sensitivity degree of the Hall effect and the magnetic induction strength of the applied magnetic field is in proportional relationship. Hall switch is such active magnetoelectric conversion device, it is based on the principle of Hall effect, using integrated packaging and assembly process, it can be convenient to convert the magnetic input signal into the actual application of the electrical signal, but also practical use in industrial applications with easy operation and reliability requirements. Hall switch has characteristics of no electric shock, low power consumption, long service life, high response frequency, and internal epoxy resin sealing and irrigation into integration, so it can work reliably in all kinds of harsh environments. Outline dimensions: M8 M12 M18 etc. Detect polarity: N-pole S-pole unipolar or all-pole (default)

Connection diagram



Hall proximity switch

Product parameters

Appearance				
Model	EB-HEM08N	EB-HEM08P	EB-HEM12N	EB-HEM12P
Output method	NPN/PNP			
Detection distance	10mm (the detection distance mainly depends on the magnetic force of the magnet)			
Working frequency	3000HZ			
Load current	<200mA			
Circuit protection	Polarity protection output short circuit protection (200mA or above)			
Indicator light	With			
Temperature drift	<±10%			
Housing material	Nickel plated brass			
Cable length	Standard 2m			
Type	Embed			
Standard object	Magnetic steel			
Voltage drop	Less than 1.5V			
Operating temperature	-20 ~70			
Operating voltage	-20 ~70			
Protection level	12~30V DC			
Current consumption	Less than 15mA			
Detection surface material	Nickel plated brass			

- Slotted sensor
- Optical fiber sensor
- Displacement sensor
- Safety sensor
- Photoelectric sensor
- Proximity sensor
- Specialized sensor