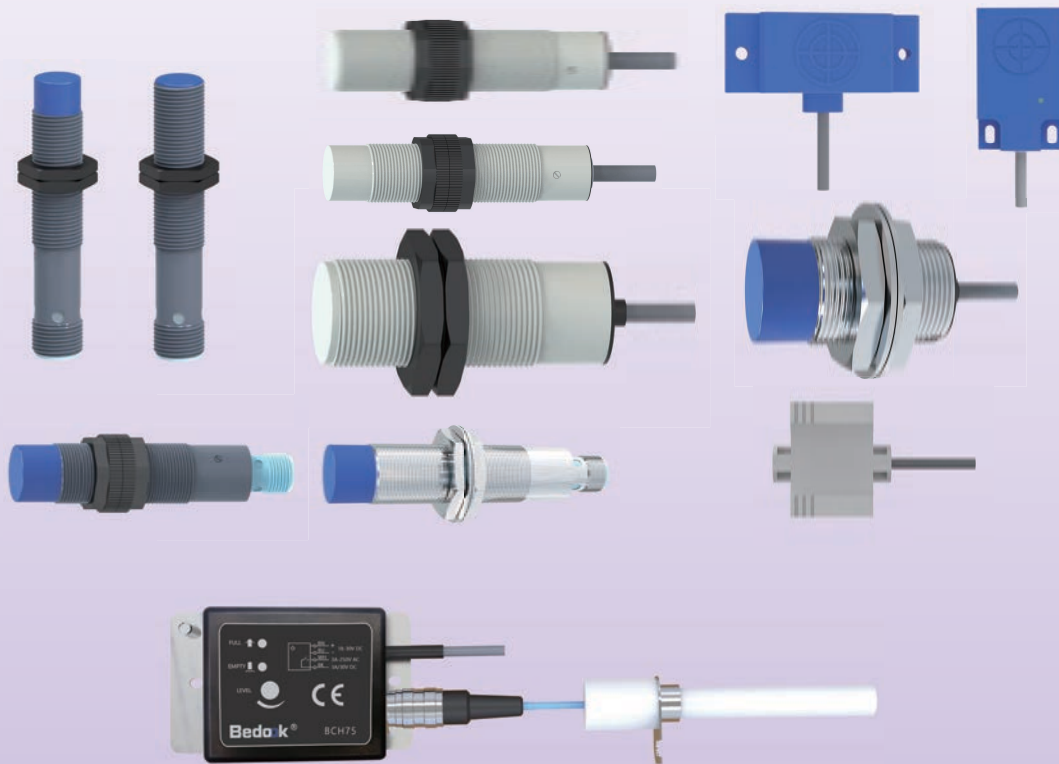


Capacitive Sensors



Features:

- Good temperature stability
- Good dynamic response
- Simple structure, strong adaptability
- High sensitivity
- Fast response time
- Wide detection range

Model number

1	2	-	3	4	5	6	-	7	8	9	10	11	-	12
C	B	-	M	12	03	P	-	C	1	1	P	2	-	■

1 Type

C Capacitive
CH High Temperature

2 Mounting

B Flush/Quasi-Flush
N Non-Flush

3 Appearance

M Threaded cylindrical
H Smooth cylindrical
Q Rectangular

4 Size

H6.5
M8
M12
M18
M30
Q20
Q33
Q34
H34
.....

5 Sensing distance (mm)

01 1mm
02 2mm
20 20mm
.....

6 Output

P PNP 3/4Wire
N NPN 3/4Wire
A AC2Wire
U AC/DC2Wire

7 Housing material

C Brass,nickel-plated
P Plastics

8 Output Mode

1 N.O.
2 N.C.
3 N.O./N.C.

9 Operating Voltage

1 DC10-30V
4 AC20-250V
5 AC/DC20-250V

10 Connection

P PVC Cable
U PUR Cable
F PTFE Cable
S8 M8Connector
S12 M12Connector
Z8 M8Cable with connector
Z12 M12Cable with connector

11 Cable length

2 2m
3 3m
5 5m
.....

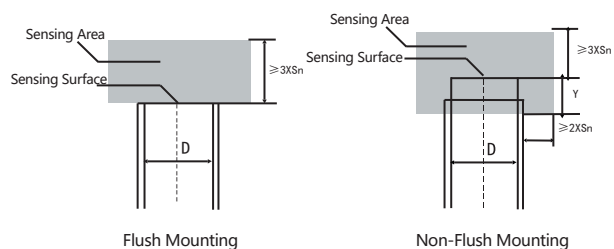
12 Other

Cylindrical

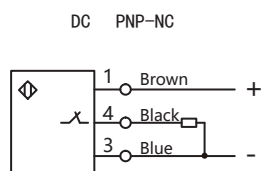
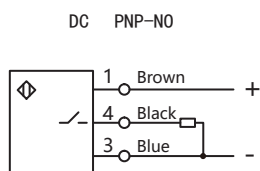
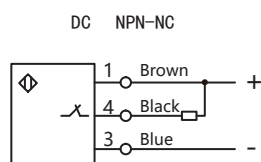
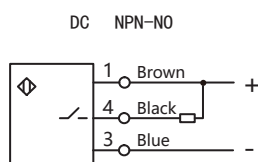
Rectangular

Glue level
detection

Mounting



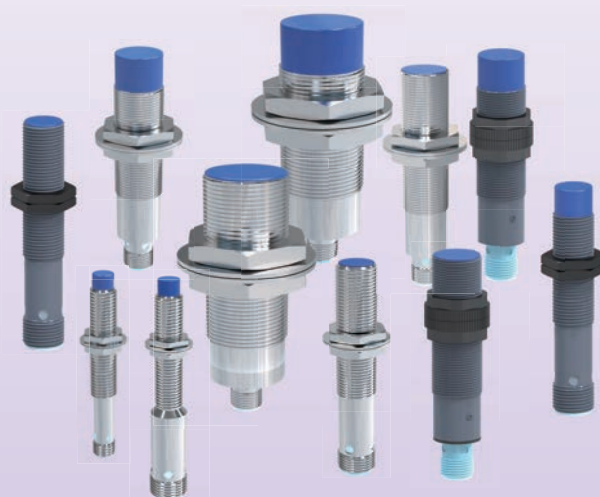
Wiring



PICO M8 Connector



EURO M12 Connector



Φ6.5 M8 M12 M18
M30 Φ34

Capacitive sensor

Stainless steel, Brass nickel-plated

Plastic shell

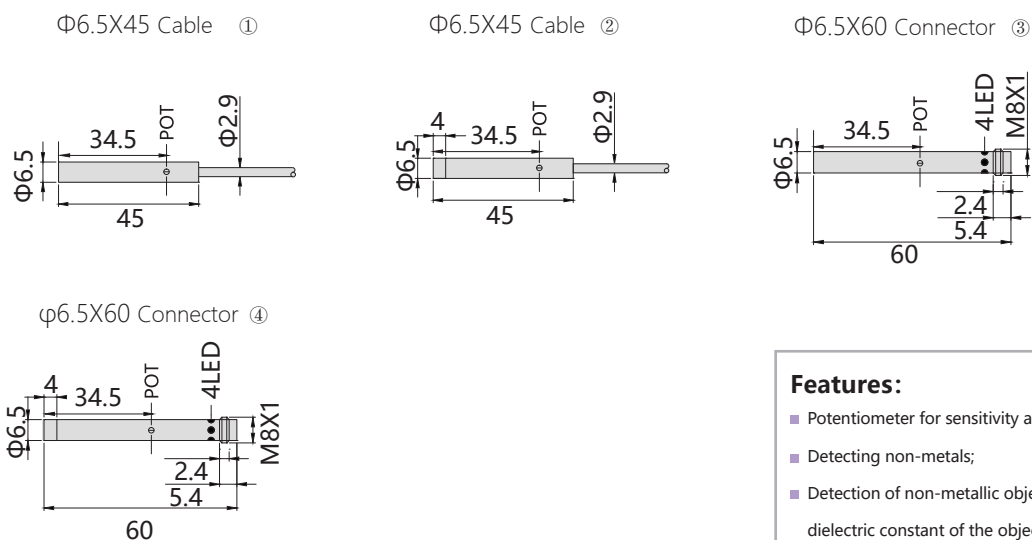
Cylindrical

DC 3 wire

Technical data

Model No	Appearance	①	②	③	④
	NPN N.O	CB-H6.501N-V11P2	CN-H6.502N-V11P2	CB-H6.501N-V11S8	CN-H6.502N-V11S8
	NPN N.C	CB-H6.501N-V21P2	CN-H6.502N-V21P2	CB-H6.501N-V21S8	CN-H6.502N-V21S8
	PNP N.O	CB-H6.501P-V11P2	CN-H6.502P-V11P2	CB-H6.501P-V11S8	CN-H6.502P-V11S8
	PNP N.C	CB-H6.501P-V21P2	CN-H6.502P-V21P2	CB-H6.501P-V21S8	CN-H6.502P-V21S8
Cylindrical	Exterior structure	Φ6.5mm	Φ6.5mm	Φ6.5mm	Φ6.5mm
Rectangular	Sensing distance	1mm (Flush)	2mm (Non-Flush)	1mm (Flush)	2mm (Non-Flush)
Glue level detection	Switching frequency	100Hz			
	Operating voltage	10...30VDC(±10%)			
	Voltage drop	≤2.0VDC			
	Load current	100mA			
	No-load current	≤10mA(24V)			
	Hysteresis	<15%(Sr)			
	Repeatability	<5.0%(Sr)			
	Switch protection	Short-circuit protection,Polarity reversal protection,Power-on protection			
	LED indicator	With (Action: LED Indicator Lights Up)			
	Ambient temperature	-25...70℃			
	Ingress protection	IP67			
	Housing material	Stainless steel			
	Sensing face material	POM			
	Connectors	2m PVC Cable, 3*0.18mm ²		M8 Connector	
	Accessories	None		B8-3GV2/B8-3WV2	

Dimensioned drawing (Dimensional drawing ④ corresponds to technical parameters - appearance column ①)



Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Appearance		①	②	③
Model No	NPN N.O	CB-M801N-C11P2	CB-M801N-C11S8	CB-M801N-C11S12
	NPN N.C	CB-M801N-C21P2	CB-M801N-C21S8	CB-M801N-C21S12
	PNP N.O	CB-M801P-C11P2	CB-M801P-C11S8	CB-M801P-C11S12
	PNP N.C	CB-M801P-C21P2	CB-M801P-C21S8	CB-M801P-C21S12
Exterior structure		M8*1mm		
Sensing distance		1mm (Flush)		
Switching frequency		100Hz		
Operating voltage		10...30VDC(±10%)		
Voltage drop		≤2VDC		
Load current		100mA		
No-load current		≤10mA(24V)		
Hysteresis		<15%(Sr)		
Repeatability		<5.0%(Sr)		
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection		
LED indicator		With (Action: LED Indicator Lights Up)		
Ambient temperature		-25...70℃		
Ingress protection		IP67		
Housing material		Brass,nickel-plated		
Sensing face material		POM		
Connectors		2m PVC Cable, 3*0.18mm ²	M8 Connector	M12 Connector
Accessories		None	B8-3GV2/B8-3WV2	B12-4GV2/B12-4WV2

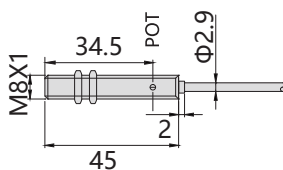
Cylindrical

Rectangular

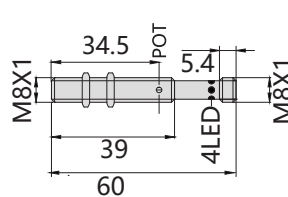
Glue level detection

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

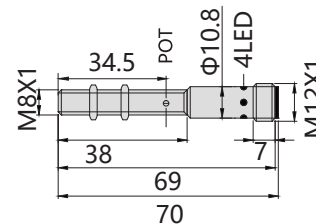
M8X45 Cable ①



M8X60 Connector ②



M8X70 Connector ③



Features:

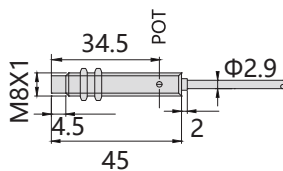
- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

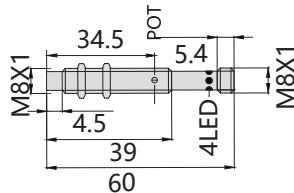
Model No	Appearance			
	NPN N.O	CN-M802N-C11P2	CN-M802N-C11S8	CN-M802N-C11S12
	NPN N.C	CN-M802N-C21P2	CN-M802N-C21S8	CN-M802N-C21S12
	PNP N.O	CN-M802P-C11P2	CN-M802P-C11S8	CN-M802P-C11S12
	PNP N.C	CN-M802P-C21P2	CN-M802P-C21S8	CN-M802P-C21S12
Exterior structure		M8*1mm		
Sensing distance		2mm (Non-Flush)		
Switching frequency		100Hz		
Operating voltage		10...30VDC(±10%)		
Voltage drop		≤2VDC		
Load current		100mA		
No-load current		≤10mA(24V)		
Hysteresis		<15%(Sr)		
Repeatability		<5.0%(Sr)		
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection		
LED indicator		With (Action: LED Indicator Lights Up)		
Ambient temperature		-25...70°C		
Ingress protection		IP67		
Housing material		Brass,nickel-plated		
Sensing face material		POM		
Connectors		2m PVC Cable, 3*0.18mm ²	M8 Connector	M12 Connector
Accessories		None	B8-3GV2/B8-3WV2	B12-4GV2/B12-4WV2

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

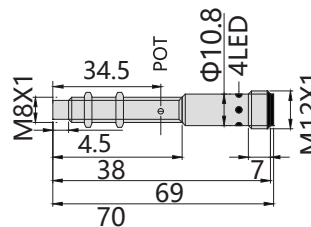
M8X45 Cable ①



M8X60 Connector ②



M8X70 Connector ③



Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Appearance		①	②	③	④
Model No	NPN N.O	CB-M1203N-C11P2	CB-M1203N-P11P2	CB-M1203N-C11S12	CB-M1203N-P11S12
	NPN N.C	CB-M1203N-C21P2	CB-M1203N-P21P2	CB-M1203N-C21S12	CB-M1203N-P21S12
	PNP N.O	CB-M1203P-C11P2	CB-M1203P-P11P2	CB-M1203P-C11S12	CB-M1203P-P11S12
	PNP N.C	CB-M1203P-C21P2	CB-M1203P-P21P2	CB-M1203P-C21S12	CB-M1203P-P21S12
Exterior structure	M12*1mm				
Sensing distance	3mm (Flush)				
Switching frequency	100Hz				
Operating voltage	10...30VDC (±10%)				
Voltage drop	≤2VDC				
Load current	200mA				
No-load current	≤10mA(24V)				
Hysteresis	<15%(Sr)				
Repeatability	<5.0%(Sr)				
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on protection				
LED indicator	With (Action: LED Indicator Lights Up)				
Ambient temperature	-25...70°C				
Ingress protection	IP67				
Housing material	Brass, nickel-plated	PBT	Brass, nickel-plated	PBT	
Sensing face material	PBT				
Connectors	2m PVC Cable, 3*0.35mm²		M12 Connector		
Accessories	None		B12-4GV2/B12-4WV2		

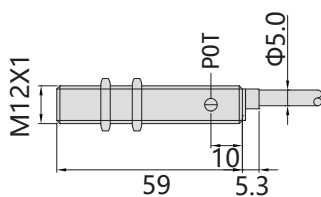
Cylindrical

Rectangular

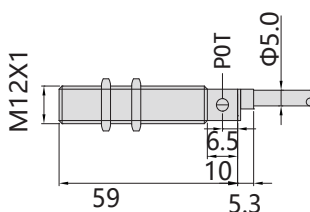
Glue level detection

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

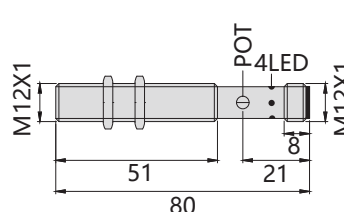
Brass, nickel-plated ①
M12X59 Cable



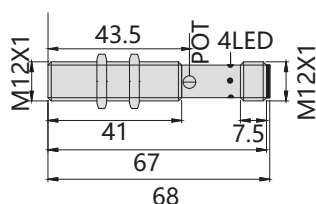
PBT M12X59 Cable ②



Brass, nickel-plated ③
M12X80 Connector



PBT M12X68 Connector ④



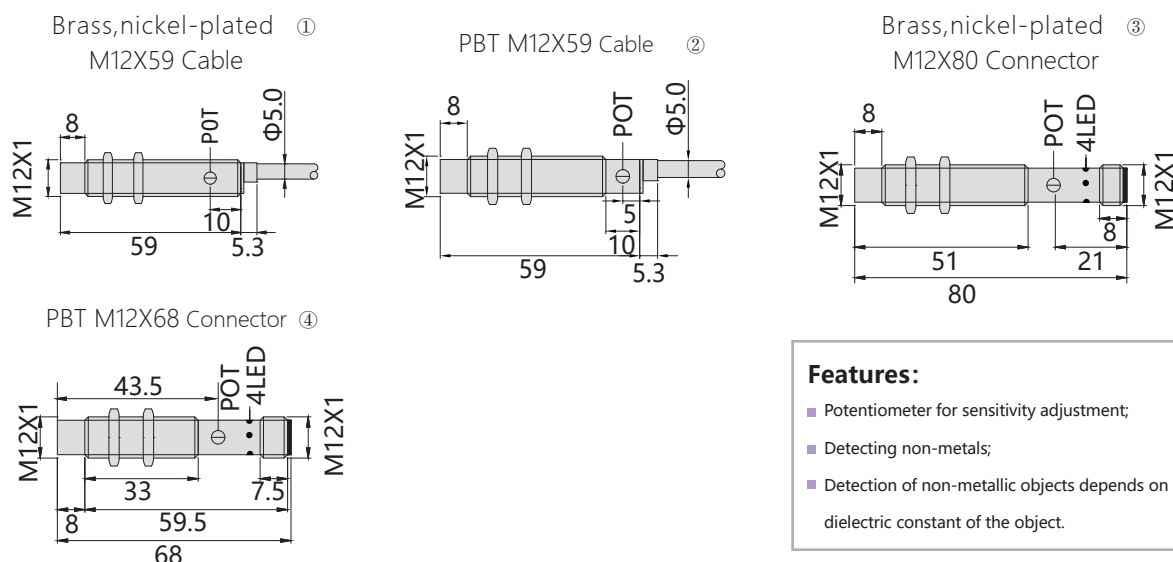
Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Model No	Appearance	①	②	③	④
	NPN N.O	CN-M1206N-C11P2	CN-M1206N-P11P2	CN-M1206N-C11S12	CN-M1206N-P11S12
	NPN N.C	CN-M1206N-C21P2	CN-M1206N-P21P2	CN-M1206N-C21S12	CN-M1206N-P21S12
	PNP N.O	CN-M1206P-C11P2	CN-M1206P-P11P2	CN-M1206P-C11S12	CN-M1206P-P11S12
	PNP N.C	CN-M1206P-C21P2	CN-M1206P-P21P2	CN-M1206P-C21S12	CN-M1206P-P21S12
Cylindrical	Exterior structure	M12*1mm			
Rectangular	Sensing distance	6mm (Non-Flush)			
	Switching frequency	100Hz			
Glue level detection	Operating voltage	10...30VDC (±10%)			
	Voltage drop	≤2VDC			
	Load current	200mA			
	No-load current	≤10mA(24V)			
	Hysteresis	<15%(Sr)			
	Repeatability	<5.0%(Sr)			
	Switch protection	Short-circuit protection, Polarity reversal protection, Power-on protection			
	LED indicator	With (Action: LED Indicator Lights Up)			
	Ambient temperature	-25...70°C			
	Ingress protection	IP67			
	Housing material	Brass, nickel-plated	PBT	Brass, nickel-plated	PBT
	Sensing face material	PBT			
	Connectors	2m PVC Cable, 3*0.35mm ²		M12 Connector	
	Accessories	None		B12-4GV2/B12-4WV2	

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)



Technical data

Appearance			
Model No	NPN N.O	CB-M1805N-C11P2	CB-M1805N-P11P2
	NPN N.C	CB-M1805N-C21P2	CB-M1805N-P21P2
	PNP N.O	CB-M1805P-C11P2	CB-M1805P-P11P2
	PNP N.C	CB-M1805P-C21P2	CB-M1805P-P21P2
Exterior structure		M18*1mm	
Sensing distance		5mm (Flush)	
Switching frequency		100Hz	
Operating voltage		10...30VDC (±10%)	
Voltage drop		≤2VDC	
Load current		200mA	
No-load current		≤10mA(24V)	
Hysteresis		<15%(Sr)	
Repeatability		<5.0%(Sr)	
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		-25...70℃	
Ingress protection		IP67	
Housing material		Brass,nickel-plated	PBT
Sensing face material		PBT	
Connectors		2m PVC Cable , 3*0.35mm ²	
Accessories		None	

Cylindrical

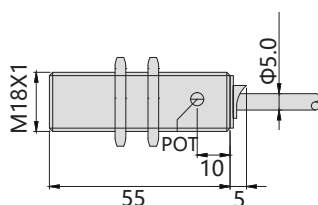
Rectangular

Glue level
detection

Dimensioned drawing

(Dimensional drawing ① corresponds to technical parameters - appearance column ①)

M18X55 Cable ①



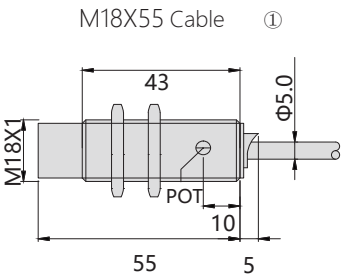
Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Model No	Appearance		
	NPN N.O	CN-M1808N-C11P2	CN-M1808N-P11P2
	NPN N.C	CN-M1808N-C21P2	CN-M1808N-P21P2
	PNP N.O	CN-M1808P-C11P2	CN-M1808P-P11P2
	PNP N.C	CN-M1808P-C21P2	CN-M1808P-P21P2
Cylindrical	Exterior structure	M18*1mm	
	Sensing distance	8mm (Non-Flush)	
Rectangular	Switching frequency	100Hz	
	Operating voltage	10...30VDC (±10%)	
Glue level detection	Voltage drop	≤2VDC	
	Load current	200mA	
	No-load current	≤10mA(24V)	
	Hysteresis	<15%(Sr)	
	Repeatability	<5.0%(Sr)	
	Switch protection	Short-circuit protection,Polarity reversal protection,Power-on protection	
	LED indicator	With (Action: LED Indicator Lights Up)	
	Ambient temperature	-25...70°C	
	Ingress protection	IP67	
	Housing material	Brass,nickel-plated	PBT
	Sensing face material	PBT	
	Connectors	2m PVC Cable, 3*0.35mm ²	
	Accessories	None	

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)



Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

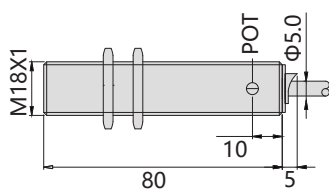
Appearance		①	②
Model No	NPN N.O	CB-M1808N-C11P2	CB-M1808N-P11P2
	NPN N.C	CB-M1808N-C21P2	CB-M1808N-P21P2
	PNP N.O	CB-M1808P-C11P2	CB-M1808P-P11P2
	PNP N.C	CB-M1808P-C21P2	CB-M1808P-P21P2
Exterior structure		M18*1mm	
Sensing distance		8mm (Flush)	
Switching frequency		100Hz	
Operating voltage		10...30VDC (±10%)	
Voltage drop		≤2VDC	
Load current		200mA	
No-load current		≤10mA(24V)	
Hysteresis		<15%(Sr)	
Repeatability		<5.0%(Sr)	
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		-25...70°C	
Ingress protection		IP67	
Housing material		Brass,nickel-plated	PBT
Sensing face material		PBT	
Connectors		2m PVC Cable , 3*0.35mm ²	
Accessories		None	

Cylindrical

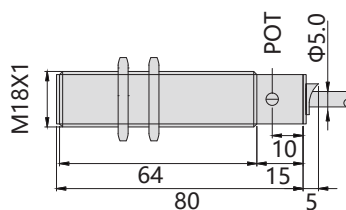
Rectangular

Glue level
detection

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

Brass,nickel-plated ①
M18X80 Cable

PBT M18X80 Cable ②



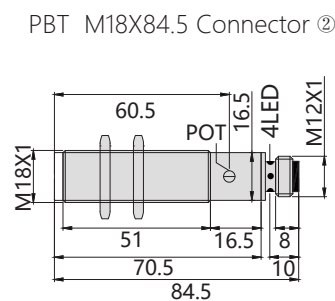
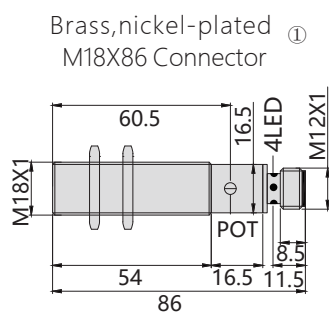
Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Appearance			
Model No	NPN N.O	CB-M1808N-C11S12	CB-M1808N-P11S12
	NPN N.C	CB-M1808N-C21S12	CB-M1808N-P21S12
	PNP N.O	CB-M1808P-C11S12	CB-M1808P-P11S12
	PNP N.C	CB-M1808P-C21S12	CB-M1808P-P21S12
Exterior structure		M18*1mm	
Sensing distance		8mm (Flush)	
Switching frequency		100Hz	
Operating voltage		10...30VDC (±10%)	
Voltage drop		≤2VDC	
Load current		200mA	
No-load current		≤10mA(24V)	
Hysteresis		<15%(Sr)	
Repeatability		<5.0%(Sr)	
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		-25...70℃	
Ingress protection		IP67	
Housing material		Brass,nickel-plated	PBT
Sensing face material		PBT	
Connectors		M12 Connector	
Accessories		B12-4GV2/B12-4WV2	

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)



Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

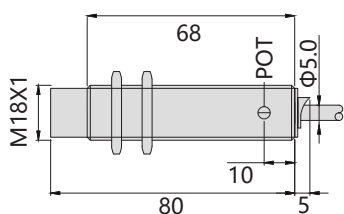
Appearance		①	②
Model No	NPN N.O	CN-M1815N-C11P2	CN-M1815N-P11P2
	NPN N.C	CN-M1815N-C21P2	CN-M1815N-P21P2
	PNP N.O	CN-M1815P-C11P2	CN-M1815P-P11P2
	PNP N.C	CN-M1815P-C21P2	CN-M1815P-P21P2
Exterior structure		M18*1mm	
Sensing distance		15mm(Non-Flush)	
Switching frequency		100Hz	
Operating voltage		10...30VDC (±10%)	
Voltage drop		≤2VDC	
Load current		200mA	
No-load current		≤10mA(24V)	
Hysteresis		<15%(Sr)	
Repeatability		<5.0%(Sr)	
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		-25...70°C	
Ingress protection		IP67	
Housing material		Brass,nickel-plated	PBT
Sensing face material		PBT	
Connectors		2m PVC Cable, 3*0.35mm ²	
Accessories		None	

Cylindrical

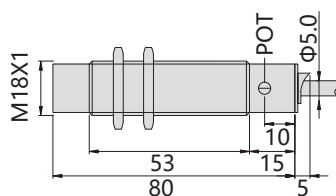
Rectangular

Glue level
detection

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

Brass,nickel-plated ①
M18X80 Cable

PBT M18X80 Cable ②



Features:

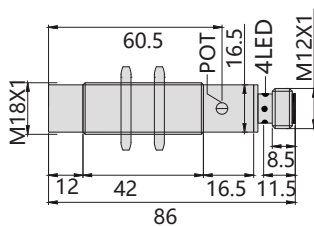
- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

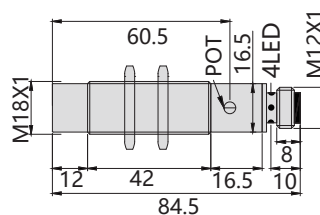
Model No	Appearance		
	NPN N.O	CN-M1815N-C11S12	CN-M1815N-P11S12
	NPN N.C	CN-M1815N-C21S12	CN-M1815N-P21S12
	PNP N.O	CN-M1815P-C11S12	CN-M1815P-P11S12
	PNP N.C	CN-M1815P-C21S12	CN-M1815P-P21S12
Cylindrical	Exterior structure	M18*1mm	
	Sensing distance	15mm(Non-Flush)	
Rectangular	Switching frequency	100Hz	
	Operating voltage	10...30VDC (±10%)	
Glue level detection	Voltage drop	≤2VDC	
	Load current	200mA	
	No-load current	≤10mA(24V)	
	Hysteresis	<15%(Sr)	
	Repeatability	<5.0%(Sr)	
	Switch protection	Short-circuit protection,Polarity reversal protection,Power-on protection	
	LED indicator	With (Action: LED Indicator Lights Up)	
	Ambient temperature	-25...70°C	
	Ingress protection	IP67	
	Housing material	Brass,nickel-plated	PBT
	Sensing face material	PBT	
	Connectors	M12 Connector	
	Accessories	B12-4GV2/B12-4WV2	

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

Brass,nickel-plated ①
M18X86 Connector



PBT M18X84.5 Connector ②



Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Appearance			①		①
Model No	NPN N.O	CB-M3010N-C11P2		CB-M3010N-P11P2	
	NPN N.C	CB-M3010N-C21P2		CB-M3010N-P21P2	
	PNP N.O	CB-M3010P-C11P2		CB-M3010P-P11P2	
	PNP N.C	CB-M3010P-C21P2		CB-M3010P-P21P2	
Exterior structure		M30*1.5mm			
Sensing distance		10mm(Flush)			
Switching frequency		100Hz			
Operating voltage		10...30VDC (±10%)			
Voltage drop		≤2VDC			
Load current		200mA			
No-load current		≤10mA(24V)			
Hysteresis		<15%(Sr)			
Repeatability		<5.0%(Sr)			
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection			
LED indicator		With (Action: LED Indicator Lights Up)			
Ambient temperature		-25...70°C			
Ingress protection		IP67			
Housing material		Brass,nickel-plated		PBT	
Sensing face material		PBT			
Connectors		2m PVC Cable, 3*0.35mm ²			
Accessories		None			

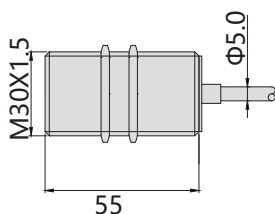
Cylindrical

Rectangular

Glue level
detection

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

M30X55 Cable ①



Features:

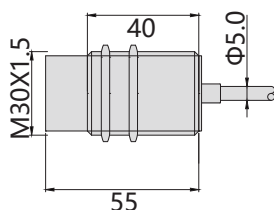
- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Appearance		 ①	 ②
Model No	NPN N.O	CN-M3015N-C11P2	CN-M3015N-P11P2
	NPN N.C	CN-M3015N-C21P2	CN-M3015N-P21P2
	PNP N.O	CN-M3015P-C11P2	CN-M3015P-P11P2
	PNP N.C	CN-M3015P-C21P2	CN-M3015P-P21P2
Exterior structure		M30*1.5mm	
Sensing distance		15mm (Non-Flush)	
Switching frequency		100Hz	
Operating voltage		10...30VDC (±10%)	
Voltage drop		≤2VDC	
Load current		200mA	
No-load current		≤10mA(24V)	
Hysteresis		<15%(Sr)	
Repeatability		<5.0%(Sr)	
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		-25...70℃	
Ingress protection		IP67	
Housing material		Brass,nickel-plated	PBT
Sensing face material		PBT	
Connectors		2m PVC Cable, 3*0.35mm ²	
Accessories		None	

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ②)

M30X55 Cable ①



Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

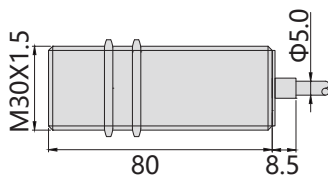
Appearance			
Model No	NPN N.O	CB-M3020N-C11P2	CB-M3020N-P11P2
	NPN N.C	CB-M3020N-C21P2	CB-M3020N-P21P2
	PNP N.O	CB-M3020P-C11P2	CB-M3020P-P11P2
	PNP N.C	CB-M3020P-C21P2	CB-M3020P-P21P2
Exterior structure		M30*1.5mm	
Sensing distance		20mm(Flush)	
Switching frequency		100Hz	
Operating voltage		10...30VDC (±10%)	
Voltage drop		≤2VDC	
Load current		200mA	
No-load current		≤10mA(24V)	
Hysteresis		<15%(Sr)	
Repeatability		<5.0%(Sr)	
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		-25...70°C	
Ingress protection		IP67	
Housing material		Brass,nickel-plated	PBT
Sensing face material		PBT	
Connectors		2m PVC Cable, 3*0.35mm ²	
Accessories		None	

Cylindrical

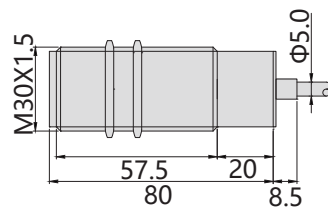
Rectangular

Glue level
detection

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

Brass,nickel-plated
M30X80 Cable ①

PBT M30X80 Cable ②



Features:

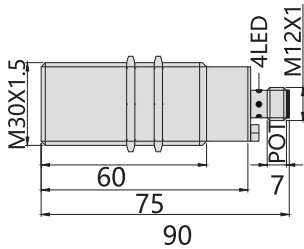
- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Model No	Appearance		
	NPN N.O	CB-M3020N-C11S12	CB-M3020N-P11S12
	NPN N.C	CB-M3020N-C21S12	CB-M3020N-P21S12
	PNP N.O	CB-M3020P-C11S12	CB-M3020P-P11S12
	PNP N.C	CB-M3020P-C21S12	CB-M3020P-P21S12
Exterior structure		M30*1.5mm	
Sensing distance		20mm(Flush)	
Switching frequency		100Hz	
Operating voltage		10...30VDC (±10%)	
Voltage drop		≤2VDC	
Load current		200mA	
No-load current		≤10mA(24V)	
Hysteresis		<15%(Sr)	
Repeatability		<5.0%(Sr)	
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		-25...70℃	
Ingress protection		IP67	
Housing material		Brass,nickel-plated	PBT
Sensing face material		PBT	
Connectors		M12 Connector	
Accessories		B12-4GV2/B12-4WV2	

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

M30X90 Connector ①



- Features:**
- Potentiometer for sensitivity adjustment;
 - Detecting non-metals;
 - Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

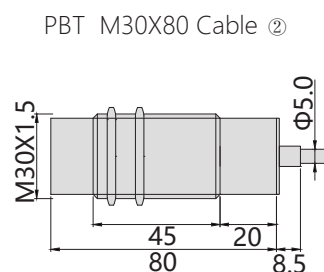
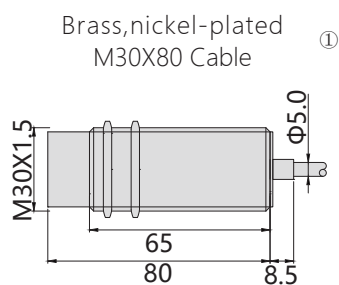
Appearance			
Model No	NPN N.O	CN-M3030N-C11P2	CN-M3030N-P11P2
	NPN N.C	CN-M3030N-C21P2	CN-M3030N-P21P2
	PNP N.O	CN-M3030P-C11P2	CN-M3030P-P11P2
	PNP N.C	CN-M3030P-C21P2	CN-M3030P-P21P2
Exterior structure		M30*1.5mm	
Sensing distance		30mm (Non-Flush)	
Switching frequency		100Hz	
Operating voltage		10...30VDC (±10%)	
Voltage drop		≤2VDC	
Load current		200mA	
No-load current		≤10mA(24V)	
Hysteresis		<15%(Sr)	
Repeatability		<5.0%(Sr)	
Switch protection		Short-circuit protection, Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		-25...70℃	
Ingress protection		IP67	
Housing material		Brass,nickel-plated	PBT
Sensing face material		PBT	
Connectors		2m PVC Cable, 3*0.35mm ²	
Accessories		None	

Cylindrical

Rectangular

Glue level
detection

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)



Features:

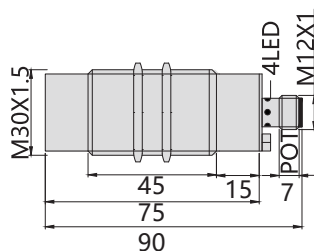
- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Model No	Appearance		
	NPN N.O	CN-M3030N-C11S12	CN-M3030N-P11S12
	NPN N.C	CN-M3030N-C21S12	CN-M3030N-P21S12
	PNP N.O	CN-M3030P-C11S12	CN-M3030P-P11S12
	PNP N.C	CN-M3030P-C21S12	CN-M3030P-P21S12
Cylindrical	Exterior structure	M30*1.5mm	
Rectangular	Sensing distance	30mm (Non-Flush)	
	Switching frequency	100Hz	
	Operating voltage	10...30VDC (±10%)	
Glue level detection	Voltage drop	≤2VDC	
	Load current	200mA	
	No-load current	≤10mA(24V)	
	Hysteresis	<15%(Sr)	
	Repeatability	<5.0%(Sr)	
	Switch protection	Short-circuit protection,Polarity reversal protection,Power-on protection	
	LED indicator	With (Action: LED Indicator Lights Up)	
	Ambient temperature	-25...70°C	
	Ingress protection	IP67	
	Housing material	Brass,nickel-plated	PBT
	Sensing face material	PBT	
	Connectors	M12 Connector	
	Accessories	B12-4GV2/B12-4WV2	

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

M30X90 Connector ①



Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Appearance			
Model No	NPN N.O	CB-H3425N-P11P2	CB-H3425N-P11Z12
	NPN N.C	CB-H3425N-P21P2	CB-H3425N-P21Z12
	PNP N.O	CB-H3425P-P11P2	CB-H3425P-P11Z12
	PNP N.C	CB-H3425P-P21P2	CB-H3425P-P21Z12
Exterior structure	Φ34mm		
Sensing distance	25mm (Flush)		
Switching frequency	100Hz		
Operating voltage	10...30VDC (±10%)		
Voltage drop	≤2VDC		
Load current	200mA		
No-load current	≤10mA(24V)		
Hysteresis	<15%(Sr)		
Repeatability	<5.0%(Sr)		
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on protection		
LED indicator	With (Action: LED Indicator Lights Up)		
Ambient temperature	-25...70°C		
Ingress protection	IP67		
Housing material	PBT		
Sensing face material	PBT		
Connectors	2m PVC Cable, 3*0.35mm ²	M12, 0.3m Cable with connector	
Accessories	None	B12-4GV2/B12-4WV2	

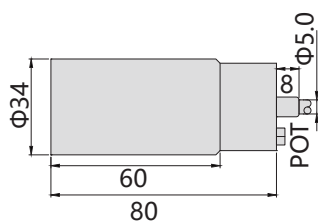
Cylindrical

Rectangular

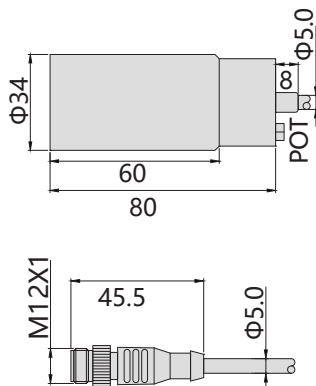
Glue level
detection

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

Φ34X80 Cable ①



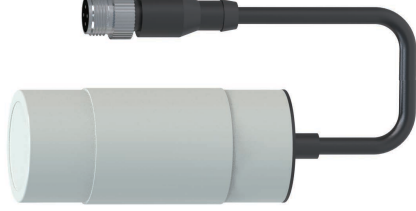
Φ34X80 Cable with connector ②



Features:

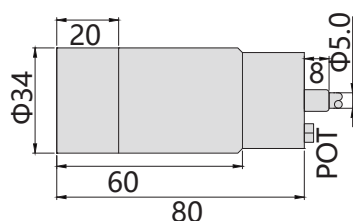
- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

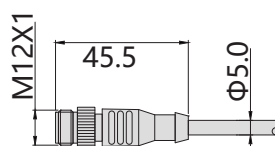
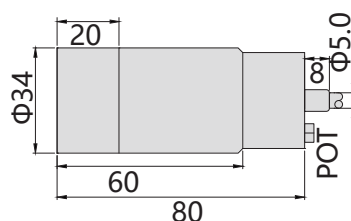
Appearance			
Model No	NPN N.O	CN-H3435N-P11P2	CN-H3435N-P11Z12
	NPN N.C	CN-H3435N-P21P2	CN-H3435N-P21Z12
	PNP N.O	CN-H3435P-P11P2	CN-H3435P-P11Z12
	PNP N.C	CN-H3435P-P21P2	CN-H3435P-P21Z12
Exterior structure		Φ34mm	
Sensing distance		35mm (Non-Flush)	
Switching frequency		100Hz	
Operating voltage		10...30VDC (±10%)	
Voltage drop		≤2VDC	
Load current		200mA	
No-load current		≤10mA(24V)	
Hysteresis		<15%(Sr)	
Repeatability		<5.0%(Sr)	
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		-25...70℃	
Ingress protection		IP67	
Housing material		PBT	
Sensing face material		PBT	
Connectors		2m PVC Cable, 3*0.35mm ²	M12, 0.3m Cable with connector
Accessories		None	B12-4GV2/B12-4WV2

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

Φ34X80 Cable ①



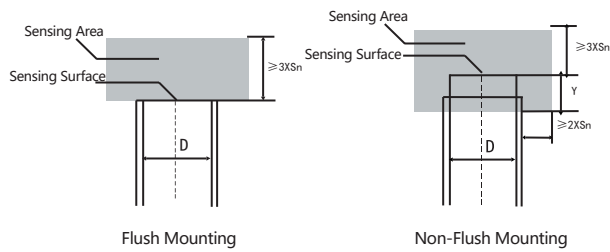
Φ34X80 Cable with connector ②



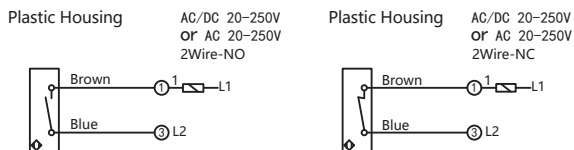
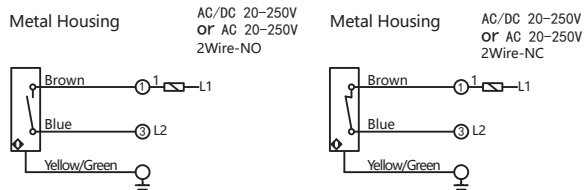
Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Mounting



Wiring



EURO M12 Connector



M18 M30 Φ 34

Capacitive sensors

Brass,nickel-plated Plastic shell

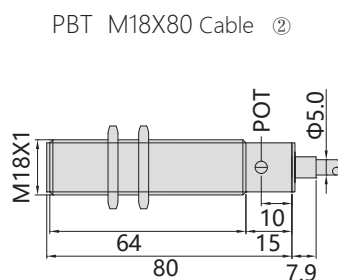
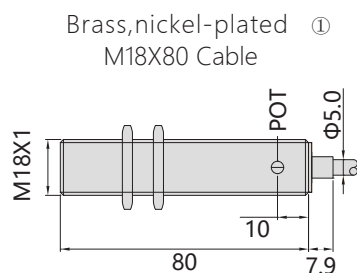
Cylindrical

AC 2 wire/AC-DC 2 wire

Technical data

Model No	Appearance		
	N.O	CB-M1808A-C14P2	CB-M1808A-P14P2
	N.C	CB-M1808A-C24P2	CB-M1808A-P24P2
	N.O	CB-M1808U-C15P2	CB-M1808U-P15P2
	N.C	CB-M1808U-C25P2	CB-M1808U-P25P2
Cylindrical	Exterior structure	M18*1mm	
Rectangular	Sensing distance	8mm (Flush)	
	Switching frequency	25Hz/25Hz AC,40Hz DC	
Glue level detection	Operating voltage	20...250V AC/20...250V AC/DC	
	Voltage drop	< 9V AC(300mA)/ < 10V AC, < 8V DC	
	Load current	Max.load:300mA;min.Load:5mA	
		Max.load:200mA;min.Load:5mA	
	Residual signal	<2.5mA	
	Hysteresis	<15%(Sr)	
	Repeatability	<5.0%(Sr)	
	Switch protection	Short-circuit protection,Polarity reversal protection,Power-on protection	
	LED indicator	With (Action: LED Indicator Lights Up)	
	Ambient temperature	-25...70°C	
	Ingress protection	IP67	
	Housing material	Brass,nickel-plated	PBT
	Sensing face material	PBT	
	Connectors	2m PVC Cable, 3*0.35mm ²	
	Accessories	None	

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)



Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

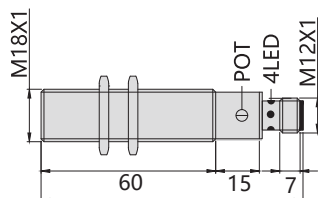
Appearance			
Model No	N.O	CB-M1808A-C14S12	CB-M1808A-P14S12
	N.C	CB-M1808A-C24S12	CB-M1808A-P24S12
	N.O	CB-M1808U-C15S12	CB-M1808U-P15S12
	N.C	CB-M1808U-C25S12	CB-M1808U-P25S12
Exterior structure		M18*1mm	
Sensing distance		8mm (Flush)	
Switching frequency		25Hz/25Hz AC,40Hz DC	
Operating voltage		20...250V AC/20...250V AC/DC	
Voltage drop		< 9V AC(300mA)/ < 10V AC, < 8V DC	
Load current		Max.load:300mA;min.Load:5mA	
		Max.load:200mA;min.Load:5mA	
Residual signal		<2.5mA	
Hysteresis		<15%(Sr)	
Repeatability		<5.0%(Sr)	
Switch protection		Short-circuit protection, Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		-25...70℃	
Ingress protection		IP67	
Housing material		Brass,nickel-plated	PBT
Sensing face material		PBT	
Connectors		M12 Connector	
Accessories		B12-4GV2/B12-4WV2	

Cylindrical

Rectangular

Glue level
detection

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

Brass, nickel-plated ①
M18X90 Connector

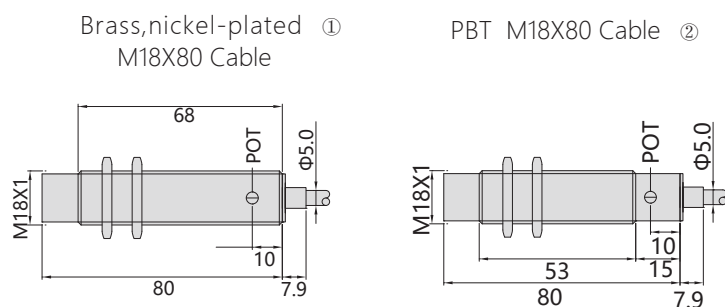
Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Appearance			
Model No	N.O	CN-M1815A-C14P2	CN-M1815A-P14P2
	N.C	CN-M1815A-C24P2	CN-M1815A-P24P2
	N.O	CN-M1815U-C15P2	CN-M1815U-P15P2
	N.C	CN-M1815U-C25P2	CN-M1815U-P25P2
Exterior structure		M18*1mm	
Sensing distance		15mm (Non-Flush)	
Switching frequency		25Hz/25Hz AC,40Hz DC	
Operating voltage		20...250V AC/20...250V AC/DC	
Voltage drop		< 9V AC(300mA)/ < 10V AC, < 8V DC	
Load current		Max.load:300mA;min.Load:5mA	
		Max.load:200mA;min.Load:5mA	
Residual signal		<2.5mA	
Hysteresis		<15%(Sr)	
Repeatability		<5.0%(Sr)	
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		-25...70℃	
Ingress protection		IP67	
Housing material		Brass,nickel-plated	PBT
Sensing face material		PBT	
Connectors		2m PVC Cable, 3*0.35mm²	
Accessories		None	

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)



Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Appearance			
Model No	N.O	CN-M1815A-C14S12	CN-M1815A-P14S12
	N.C	CN-M1815A-C24S12	CN-M1815A-P24S12
	N.O	CN-M1815U-C15S12	CN-M1815U-P15S12
	N.C	CN-M1815U-C25S12	CN-M1815U-P25S12
Exterior structure		M18*1mm	
Sensing distance		15mm (Non-Flush)	
Switching frequency		25Hz/25Hz AC,40Hz DC	
Operating voltage		20...250V AC/20...250V AC/DC	
Voltage drop		< 9V AC(300mA)/ < 10V AC, < 8V DC	
Load current		Max.load:300mA;min.Load:5mA	
		Max.load:200mA;min.Load:5mA	
Residual signal		<2.5mA	
Hysteresis		<15%(Sr)	
Repeatability		<5.0%(Sr)	
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		-25...70℃	
Ingress protection		IP67	
Housing material		Brass,nickel-plated	PBT
Sensing face material		PBT	
Connectors		M12 Connector	
Accessories		B12-4GV2/B12-4WV2	

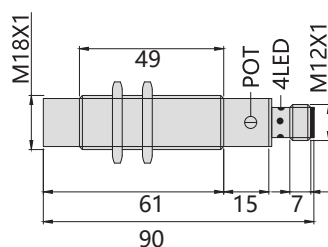
Cylindrical

Rectangular

Glue level
detection

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

M18X90 Connector ①



Features:

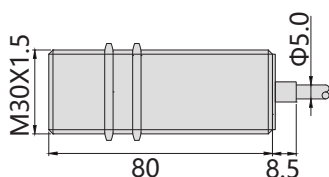
- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

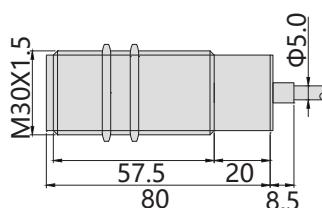
Appearance			①	
Model No	N.O	CB-M3020A-C14P2		CB-M3020A-P14P2
	N.C	CB-M3020A-C24P2		CB-M3020A-P24P2
	N.O	CB-M3020U-C15P2		CB-M3020U-P15P2
	N.C	CB-M3020U-C25P2		CB-M3020U-P25P2
Exterior structure		M30*1.5mm		
Sensing distance		20mm (Flush)		
Switching frequency		25Hz/25Hz AC,40Hz DC		
Operating voltage		20...250V AC/20...250V AC/DC		
Voltage drop		< 9V AC(300mA)/ < 10V AC, < 8V DC		
Load current		Max.load:300mA;min.Load:5mA		
		Max.load:200mA;min.Load:5mA		
Residual signal		<2.5mA		
Hysteresis		<15%(Sr)		
Repeatability		<5.0%(Sr)		
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection		
LED indicator		With (Action: LED Indicator Lights Up)		
Ambient temperature		-25...70℃		
Ingress protection		IP67		
Housing material		Brass,nickel-plated		PBT
Sensing face material		PBT		
Connectors		2m PVC Cable, 2*0.5mm²/3*0.35mm²		
Accessories		None		

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

Brass,nickel-plated ①
M30X80 Cable



PBT M30X80 Cable ②



Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Appearance			
Model No	N.O	CB-M3020A-C14S12	CB-M3020A-P14S12
	N.C	CB-M3020A-C24S12	CB-M3020A-P24S12
	N.O	CB-M3020U-C15S12	CB-M3020U-P15S12
	N.C	CB-M3020U-C25S12	CB-M3020U-P25S12
Exterior structure		M30*1.5mm	
Sensing distance		20mm (Flush)	
Switching frequency		25Hz/25Hz AC, 40Hz DC	
Operating voltage		20...250V AC/20...250V AC/DC	
Voltage drop		< 9V AC(300mA)/ < 10V AC, < 8V DC	
Load current		Max.load:300mA;min.Load:5mA	
		Max.load:200mA;min.Load:5mA	
Residual signal		<2.5mA	
Hysteresis		<15%(Sr)	
Repeatability		<5.0%(Sr)	
Switch protection		Short-circuit protection, Polarity reversal protection, Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		-25...70°C	
Ingress protection		IP67	
Housing material		Brass, nickel-plated	PBT
Sensing face material		PBT	
Connectors		M12 Connector	
Accessories		B12-4GV2/B12-4WV2	

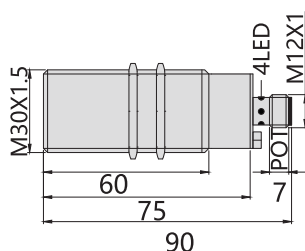
Cylindrical

Rectangular

Glue level
detection

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

M30X90 Connector ①



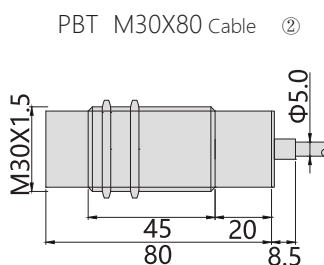
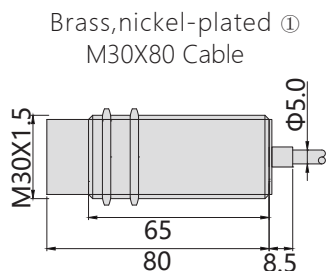
Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Appearance		①	②
Model No	N.O	CN-M3030A-C14P2	CN-M3030A-P14P2
	N.C	CN-M3030A-C24P2	CN-M3030A-P24P2
	N.O	CN-M3030U-C15P2	CN-M3030U-P15P2
	N.C	CN-M3030U-C25P2	CN-M3030U-P25P2
Exterior structure		M30*1.5mm	
Sensing distance		30mm (Non-Flush)	
Switching frequency		25Hz/25Hz AC,40Hz DC	
Operating voltage		20...250V AC/20...250V AC/DC	
Voltage drop		< 9V AC(300mA)/ < 10V AC, < 8V DC	
Load current		Max.load:300mA;min.Load:5mA	
		Max.load:200mA;min.Load:5mA	
Residual signal		<2.5mA	
Hysteresis		<15%(Sr)	
Repeatability		<5.0%(Sr)	
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		-25...70°C	
Ingress protection		IP67	
Housing material		Brass,nickel-plated	PBT
Sensing face material		PBT	
Connectors		2m PVC Cable, 2*0.5mm ² /3*0.35mm ²	
Accessories		None	

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)



Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Appearance		①	②
Model No	N.O	CN-M3030A-C14S12	CN-M3030A-P14S12
	N.C	CN-M3030A-C24S12	CN-M3030A-P24S12
	N.O	CN-M3030U-C15S12	CN-M3030U-P15S12
	N.C	CN-M3030U-C25S12	CN-M3030U-P25S12
Exterior structure	M30*1.5mm		
Sensing distance	30mm (Non-Flush)		
Switching frequency	25Hz/25Hz AC,40Hz DC		
Operating voltage	20...250V AC/20...250V AC/DC		
Voltage drop	< 9V AC(300mA)/ < 10V AC, < 8V DC		
Load current	Max.load:300mA;min.Load:5mA		
	Max.load:200mA;min.Load:5mA		
Residual signal	<2.5mA		
Hysteresis	<15%(Sr)		
Repeatability	<5.0%(Sr)		
Switch protection	Short-circuit protection,Polarity reversal protection,Power-on protection		
LED indicator	With (Action: LED Indicator Lights Up)		
Ambient temperature	-25...70°C		
Ingress protection	IP67		
Housing material	Brass,nickel-plated		PBT
Sensing face material	PBT		
Connectors	M12 Connector		
Accessories	B12-4GV2/B12-4WV2		

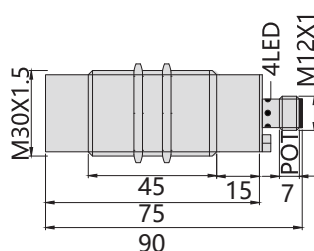
Cylindrical

Rectangular

Glue level
detection

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

M30X90 Connector ①



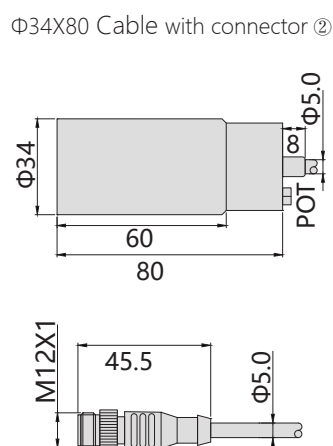
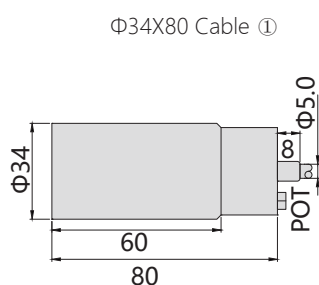
Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Appearance			
Model No	N.O	CB-H3425A-P14P2	CB-H3425A-P14Z12
	N.C	CB-H3425A-P24P2	CB-H3425A-P24Z12
	N.O	CB-H3425U-P15P2	CB-H3425U-P15Z12
	N.C	CB-H3425U-P25P2	CB-H3425U-P25Z12
Exterior structure		Φ34mm	
Sensing distance		25mm (Flush)	
Switching frequency		25Hz/25Hz AC,40Hz DC	
Operating voltage		20...250V AC/20...250V AC/DC	
Voltage drop		< 9V AC(300mA)/ < 10V AC, < 8V DC	
Load current		Max.load:300mA;min.Load:5mA	
		Max.load:200mA;min.Load:5mA	
Residual signal		<2.5mA	
Hysteresis		<15%(Sr)	
Repeatability		<5.0%(Sr)	
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		-25...70°C	
Ingress protection		IP67	
Housing material		PBT	
Sensing face material		PBT	
Connectors		2m PVC Cable, 2*0.5mm ²	M12, 0.3m Cable with connector
Accessories		None	B12-4GV2/B12-4WV2

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)



Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Appearance		①	②
Model No	N.O	CN-H3435A-P14P2	CN-H3435A-P14Z12
	N.C	CN-H3435A-P24P2	CN-H3435A-P24Z12
	N.O	CN-H3435U-P15P2	CN-H3435U-P15Z12
	N.C	CN-H3435U-P25P2	CN-H3435U-P25Z12
Exterior structure	Φ34mm		
Sensing distance	35mm (Non-Flush)		
Switching frequency	25Hz/25Hz AC, 40Hz DC		
Operating voltage	20...250V AC/20...250V AC/DC		
Voltage drop	< 9V AC(300mA)/ < 10V AC, < 8V DC		
Load current	Max.load:300mA;min.Load:5mA		
	Max.load:200mA;min.Load:5mA		
Residual signal	<2.5mA		
Hysteresis	<15%(Sr)		
Repeatability	<5.0%(Sr)		
Switch protection	Short-circuit protection, Polarity reversal protection, Power-on protection		
LED indicator	With (Action: LED Indicator Lights Up)		
Ambient temperature	-25...70°C		
Ingress protection	IP67		
Housing material	PBT		
Sensing face material	PBT		
Connectors	2m PVC Cable, 2*0.5mm ²	M12, 0.3m Cable with connector	
Accessories	None	B12-4GV2/B12-4WV2	

Cylindrical

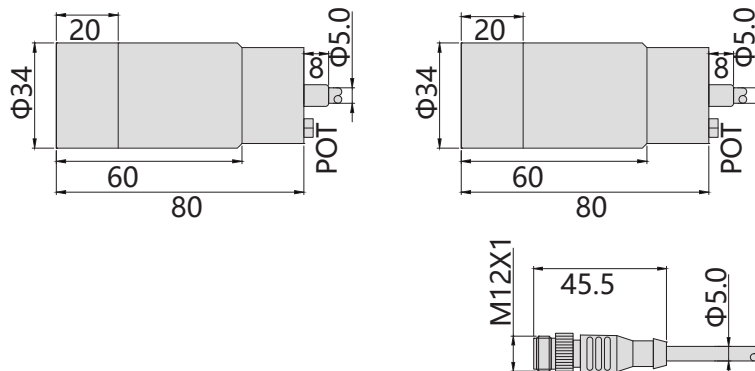
Rectangular

Glue level
detection

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)

Φ34X80 Cable ①

Φ34X80 Cable with connector ②

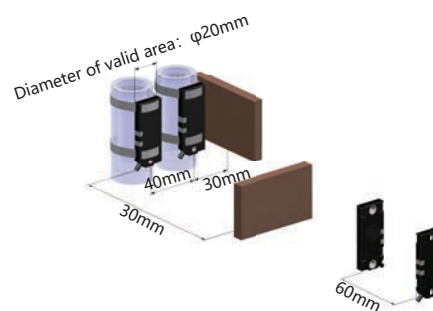


Features:

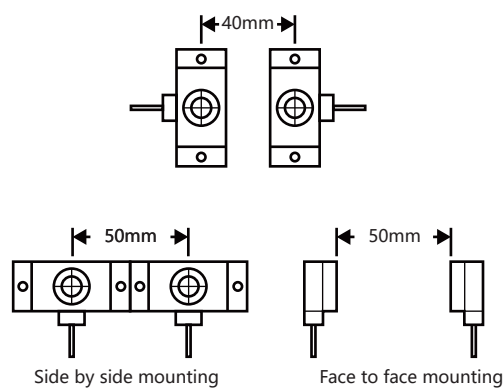
- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Mounting

Q20

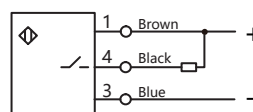


Q34

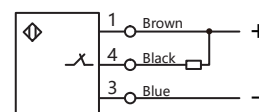


Wiring

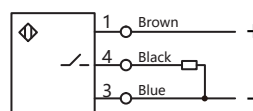
DC NPN-NO



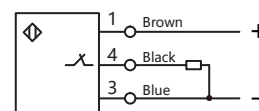
DC NPN-NC



DC PNP-NO

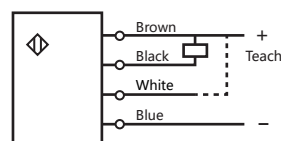


DC PNP-NC

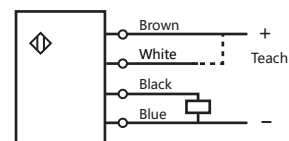


CN-Q2005/CN-Q2010-X

NPN NO/NC



PNP NO/NC



Q20 Q25 Q30 Q33 Q34

Capacitive proximity sensors Rectangular

DC 3 wire

Technical data

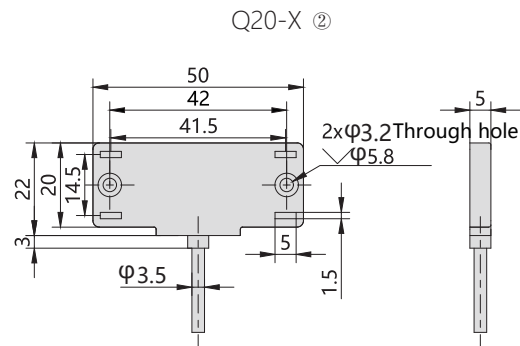
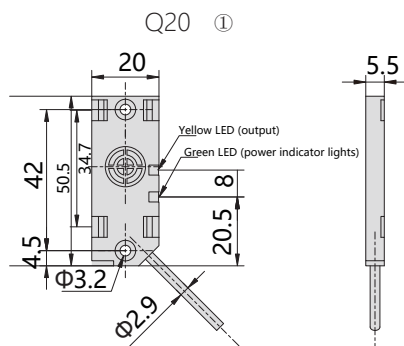
Appearance		①		②	
Model No	NPN N.O	CN-Q2010N-P11P2	CN-Q2005N-P11P2-X	CN-Q2010N-P11P2-X	
	NPN N.C	CN-Q2010N-P21P2	CN-Q2005N-P21P2-X	CN-Q2010N-P21P2-X	
	PNP N.O	CN-Q2010P-P11P2	CN-Q2005P-P11P2-X	CN-Q2010P-P11P2-X	
	PNP N.C	CN-Q2010P-P21P2	CN-Q2005P-P21P2-X	CN-Q2010P-P21P2-X	
Size		50.5X20X5.5mm		50X22X5mm	
Sensing distance		10mm (Non-Flush)		5mm (Non-Flush)	10mm (Non-Flush)
Switching frequency		100Hz		100Hz	
Operating voltage		10...30VDC(±10%)		10...30VDC(±10%)	
Voltage drop		≤2VDC		≤2VDC	
Load current		≤200mA		≤150mA	
No-load current		≤20mA(24V)		≤15mA(24V)	
Hysteresis		<15%(Sr)		<15%(Sr)	
Repeatability		<5.0%(Sr)		<5.0%(Sr)	
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection		Short-circuit protection,Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)		Green: teaching; Yellow: output	
Ambient temperature		-10...60°C		-25...70°C	
Ingress protection		IP65		IP67	
Housing material		ABS		PBT	
Sensing face material		ABS		PBT	
Connectors		2m PVC Cable, 3*0.25mm ²		2m PVC Cable, 4*0.25mm ²	
Accessories		None		None	

Cylindrical

Rectangular

Glue level
detection

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)



Short connection between white wire and brown wire >3s(<5s)

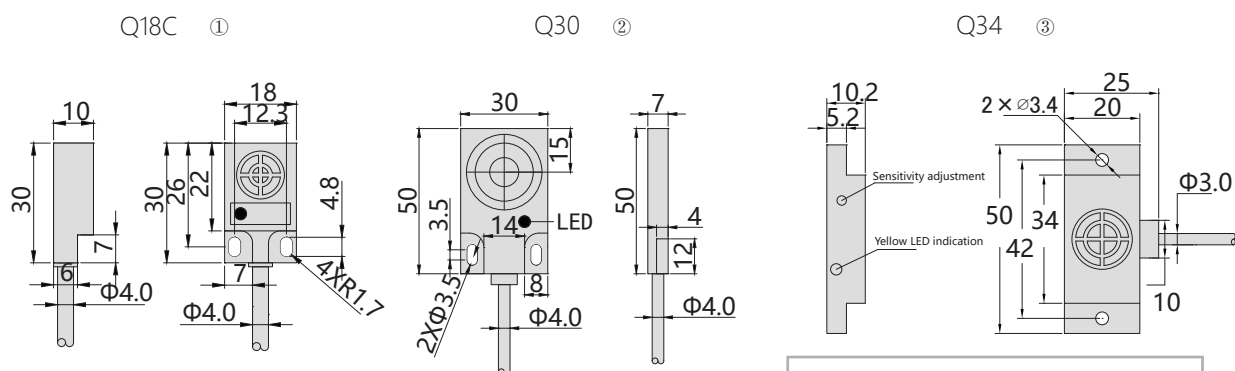
Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

Model No	Appearance	①	②	③
	NPN N.O	CN-Q18C04N-P11P2	CB-Q3006N-P11P2	CN-Q3010N-P11P2
	NPN N.C	CN-Q18C04N-P21P2	CB-Q3006N-P21P2	CN-Q3010N-P21P2
	PNP N.O	CN-Q18C04P-P11P2	CB-Q3006P-P11P2	CN-Q3010P-P11P2
	PNP N.C	CN-Q18C04P-P21P2	CB-Q3006P-P21P2	CN-Q3010P-P21P2
Size		30*18*10mm	50*30*7mm	50*30*7mm
Sensing distance		4mm (Non-Flush)	6mm(Flush)	10mm (Non-Flush)
Switching frequency		100Hz		
Operating voltage		10...30VDC(±10%)		
Voltage drop		≤2.5VDC	≤2VDC	
Load current		≤200mA		≤100mA
No-load current		≤10mA(24V)		
Hysteresis		<15%(Sr)		
Repeatability		<5.0%(Sr)		
Sensitivity adjustment		Multi-loop potentiometer		
Switch protection		Short-circuit protection,Polarity reversal protection,Power-on protection		
LED indicator		With (Action: LED Indicator Lights Up)		
Ambient temperature		-25...70°C		
Ingress protection		IP65		
Housing material		ABS	PBT	ABS
Sensing face material		ABS	PBT	ABS
Connectors		2m PVC Cable,3*0.25mm ²		
Accessories		None		

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)



Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

Technical data

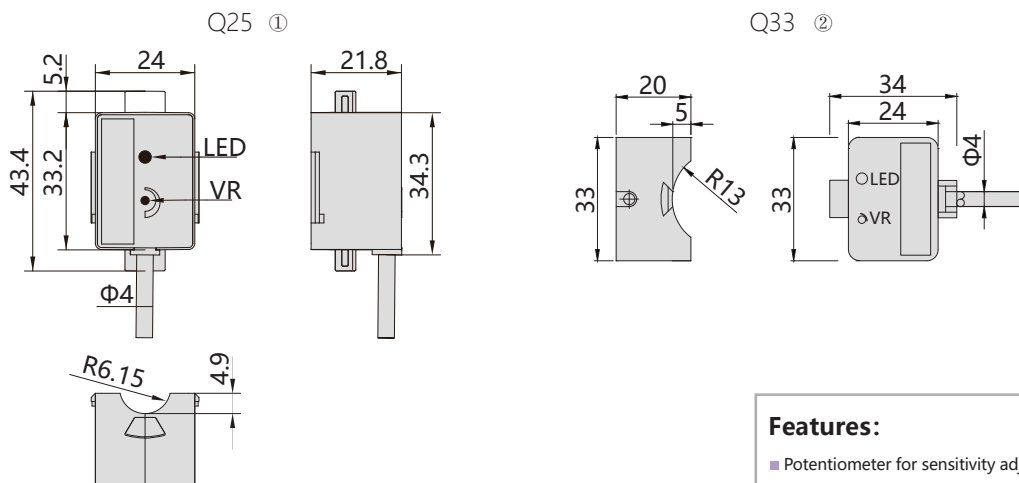
Appearance		①	②
Model No	NPN N.O	CB-Q2503N-P11P2	CB-Q3303N-P11P2
	NPN N.C	CB-Q2503N-P21P2	CB-Q3303N-P21P2
	PNP N.O	CB-Q2503P-P11P2	CB-Q3303P-P11P2
	PNP N.C	CB-Q2503P-P21P2	CB-Q3303P-P21P2
Size		43.4X24X21.8mm	33X24X20mm
Sensing distance		3mm(Suitable for $\phi 8 \dots 11$ mm pipe) (Flush)	3mm(Suitable for $\phi 12 \dots 26$ mm pipe) (Flush)
Switching frequency		100Hz	
Operating voltage		10...30VDC($\pm 10\%$)	
Voltage drop		≤ 1 VDC	
Load current		≤ 200 mA	
No-load current		≤ 12 mA(24V)	
Hysteresis		$< 15\%$ (Sr)	
Repeatability		$< 5.0\%$ (Sr)	
Switch protection		Polarity reversal protection,Power-on protection	
LED indicator		With (Action: LED Indicator Lights Up)	
Ambient temperature		$-25 \dots 70^{\circ}\text{C}$	
Ingress protection		IP66	
Housing material		ABS	
Sensing face material		ABS	
Connectors		2m PVC Cable, $3 \times 0.25\text{mm}^2$	
Accessories		None	

Cylindrical

Rectangular

Glue level
detection

Dimensioned drawing (Dimensional drawing ① corresponds to technical parameters - appearance column ①)



Features:

- Potentiometer for sensitivity adjustment;
- Detecting non-metals;
- Detection of non-metallic objects depends on the dielectric constant of the object.

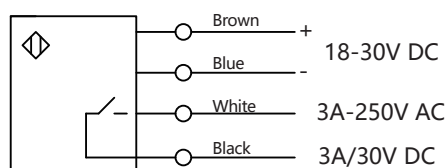
Features

- Split design, easy to fix
- The probe is made of Teflon and the temperature of the detected medium can reach up to 230°C
- The detection medium can be high temperature and high viscosity glue

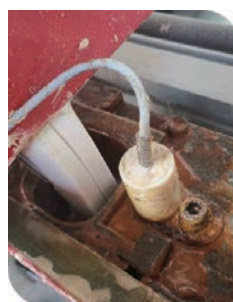
Amplifier feature

- Supply voltage 18... 30V DC
- Easy to install
- Different cable lengths
- Use M16 connector
- Adjust the sensitivity of the sensor by calibrating the potentiometer

Wiring



Applications



Capacitive sensors

High temperature

Model NO.

High temperature sensor

CHN-H22-5/12

Technical data

Sensor ambient temperature	-10°C...250°C
Cable ambient temperature	-10°C...200°C
Ingress protection	IP66
Housing material	PTFE/V2A
Cable	1m PTFE Cable
Connectors	M16 connector

Model NO.

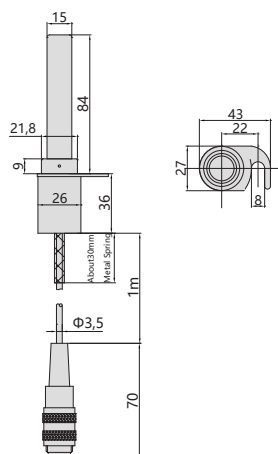
Amplifier **BCH75**

Technical data

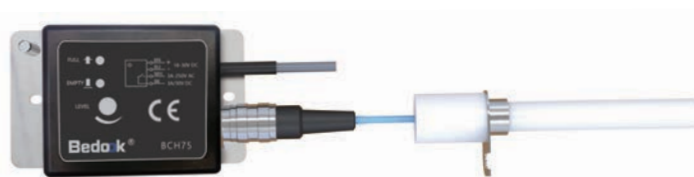
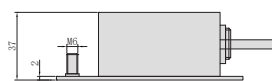
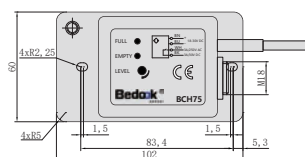
Operating voltage	18...30VDC
Switching frequency	10Hz
No-load current	≤50mA
Output mode	SPDT Relay output
Maximum load current	3A/30V DC, 3A/250V AC
Ambient temperature	-25°C...+70°C
Housing material	Plastic housing

Dimensioned drawing

Sensors



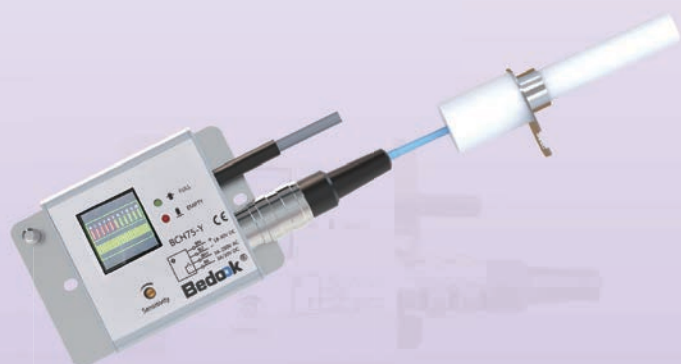
Amplifier BCH75



Cylindrical

Rectangular

Glue level
detection



Capacitive sensors

High temperature

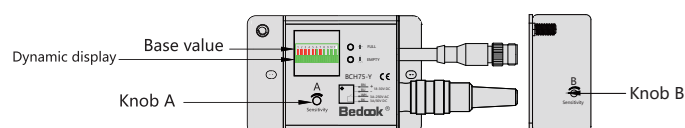
Feature

- Split design, easy to fix
- The probe is made of Teflon and the temperature of the detected medium can reach up to 230°C
- The detection medium can be high temperature and high viscosity glue

Amplifier feature

- Supply voltage 24V DC
- Easy to install
- Different cable lengths
- Use M16 connector

Panel description and introduction



How to do calibration:

1. After mounting the sensor, add glue quantity to alarm level.
2. Knob A: base value adjustment with range of 1-9.
3. Knob B: dynamic display bars adjustment to the position of base value.

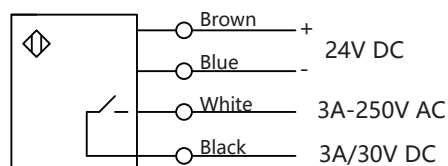
The clockwise rotation is that dynamic glue amount display bars increases, the counter-clockwise rotation is that dynamic glue amount display bars decreases.

Display instruction:

Glue shortage: indicator light display; dynamic display bars and external frame edge turn red color

No-shortage of glue: indicator light display; dynamic display bars and external frame edge turn green color

Wiring



Model NO.

High temperature sensor **CHN-H22-5/12/65mm**

Technical data

Sensor ambient temperature	-10°C...250°C
Cable ambient temperature	-10°C...200°C
Ingress protection	IP66
Housing material	PTFE/V2A
Cable	1m PTFE Cable
Connectors	M16 connector

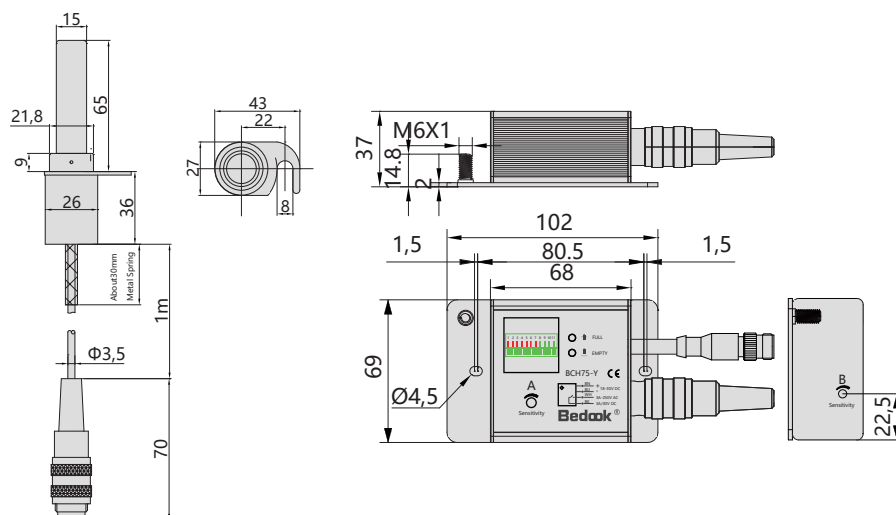
Model NO.

Amplifier **BCH75-Y**

Technical data

Operating voltage	24VDC
Switching frequency	10Hz
No-load current	≤50mA
Output mode	SPDT Relay output
Maximum load current	3A/30V DC, 3A/250V AC
Ambient temperature	-25°C...+70°C
Cable connection	M12Connector, Cable length160mm
Housing material	Metal housing

Dimensioned drawing



Cylindrical

Rectangular

Glue level
detection

Technical data

Appearance



①

Cylindrical

Rectangular

Glue level
detection

Model no	CN-H15-F12P2
Operating voltage	18-30VDC
No-load current	≤30mA
Max load current	3A/30V DC, 3A/250V DC
Ambient temperature	-25...70°C
LED indicator	Teaching indicator: red; Full glue indicator: green; Glue shortage indicator: yellow
Output	SPDT relay output
Ingress protection	IP65
Sensing face material	PTFE
Housing material	Aluminum
Cable	2m PVC cable
Connectors	Connector method 5*0.25mm ²

Teaching

1、Upper/lower limit teaching(need to be completed within 1 minute)

Lower limit teaching: Capable of teaching lower limit process without contacting liquid level. Continuously press button >5 seconds(<10seconds), red LED indicator will flash. And then release the button, red LED indicator will constantly bright. Lower limit teaching is completed.

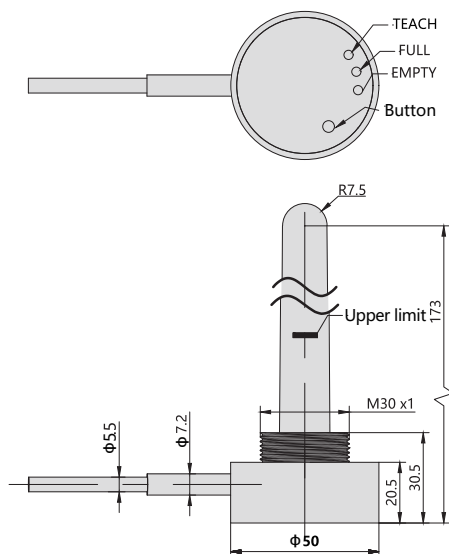
Upper limit teaching: There is a printed mark on the sensing rod for upper limit (The liquid level should not exceed the mark on the sensing rod). Within 1 minute after lower limit teaching is completed, shortly press button 1 second until the red LED indicator goes out. Then upper limit teaching is completed. If upper limit teaching is not completed within 1 minute, the sensor will quit teaching function and restore to last teaching configuration.

2、Switch-over point teaching: Switch-over point for glue full/shortage can be set up at any point between upper limit and lower limit. Continuously press button for >2 seconds(<5s) and release the button when red LED indicator light up. And then the red LED indicator will go out. Switch-over point teaching is completed.

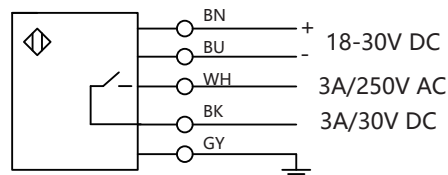
Note: The range for upper limit and lower limit can be set at your will.

If above teaching fails, red LED will flash 5 times.

Dimension



Wiring



Featur:

- 1、Amplifier element working environment(-25...70°C)
- 2、One button for teaching .easy adjustment
- 3、Voltage 18...30V DC
- 4、Easy installation