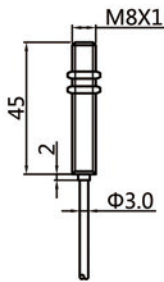


Features :

- M8*1 mm, Nickel-plated brass housing;
- 0.1-1.5mm, flush mountable;
- DC 3-wire, analog output;
- Cable & connector versions



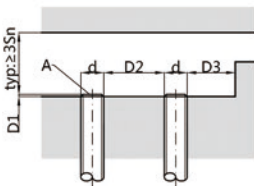
Dimensioned drawing



Model No.

Sensing range	Sn: 0.1-1.5 mm
4-20mA	BAB-M81.5-CI2P2
0-10V	BAB-M81.5-CV2P2

Mounting



d : diameter
D1: 1mm
D2: ≥d
D3: ≥d
A: active surface

⚠ Tightening torque of the fastening screws: <1.8Nm!

Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA ; <400Ω / 0-10VDC ; >2000Ω
	No-load current	< 35mA
	Drift	<10%(Sr)
	Repeatability	<2%(Sr)
	Linearity	<5%(Sr)
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	PVC cable/2m; 3*0.18mm ²
Accessories	Accessories	NO (to be ordered separately)

Wiring

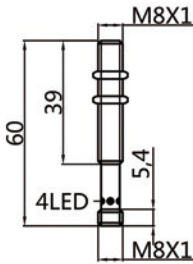


Features :

- M8*1 mm, Nickel-plated brass housing;
- 0.1-1.5mm, flush mountable;
- DC 3-wire, analog output;
- Cable & connector versions



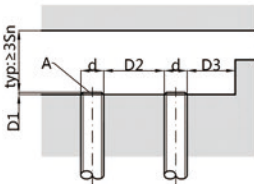
Dimensioned drawing



Model No.

Sensing range	Sn: 0.1-1.5 mm
4-20mA	BAB-M81.5-CI2S8
0-10V	BAB-M81.5-CV2S8

Mounting



d : diameter
D1: 1mm
D2: ≥d
D3: ≥d
A: active surface

⚠ Tightening torque
of the fastening
screws:
<1.8Nm!

Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA ; <400Ω / 0-10VDC ; >2000Ω
	No-load current	< 35mA
	Drift	<10%(Sr)
	Repeatability	<2%(Sr)
Environment	Linearity	<5%(Sr)
	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	M8 connector
Accessories	Accessories	B8-3GV2/B8-3WV2 (to be ordered separately)

Wiring

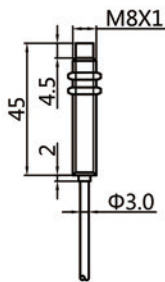


Features :

- M8*1 mm, Nickel-plated brass housing;
- 0.1-2.5mm, non-flush mountable;
- DC 3-wire, analog output;
- Cable & connector versions



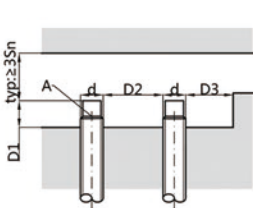
Dimensioned drawing



Model No.

Sensing range	Sn: 0.1-2.5 mm
4-20mA	BAN-M82.5-CI2P2
0-10V	BAN-M82.5-CV2P2

Mounting



d : diameter
D2 : ≥2d
D3 : ≥2Sn

A: active surface

Tightening torque of the fastening screws: <1.8Nm!

Installed in the metal	
sizeD1	D1(mm)
φ6.5	6
M8	6
Q8	6
M12	9
M18	16
M30	22

Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA ; <400Ω / 0-10VDC ; >2000Ω
	No-load current	< 35mA
	Drift	<10%(Sr)
	Repeatability	<2%(Sr)
	Linearity	<5%(Sr)
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	PVC cable/2m; 3*0.18mm ²
Accessories	Accessories	NO (to be ordered separately)

Wiring

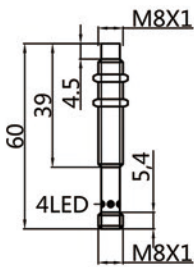


Features :

- M8*1 mm, Nickel-plated brass housing;
- 0.1-2.5mm, non-flush mountable;
- DC 3-wire, analog output;
- Cable & connector versions



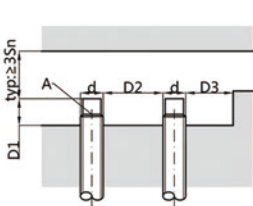
Dimensioned drawing



Model No.

Sensing range	Sn: 0.1-2.5 mm
4-20mA	BAN-M82.5-CI2S8
0-10V	BAN-M82.5-CV2S8

Mounting



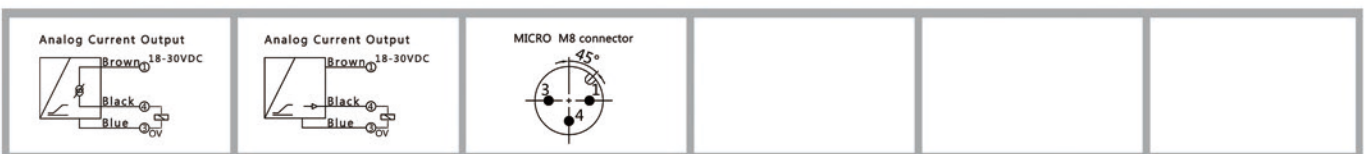
d : diameter
D2 : ≥2d
D3 : ≥2Sn
A: active surface
 Tightening torque of the fastening screws: <1.8Nm!

Installed in the metal	
sizeD1	D1(mm)
φ6.5	6
M8	6
Q8	6
M12	9
M18	16
M30	22

Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA ; <400Ω / 0-10VDC ; >2000Ω
	No-load current	< 35mA
	Drift	<10%(Sr)
	Repeatability	<2%(Sr)
	Linearity	<5%(Sr)
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	M8 connector
Accessories	Accessories	B8-3GV2/B8-3WV2 (to be ordered separately)

Wiring



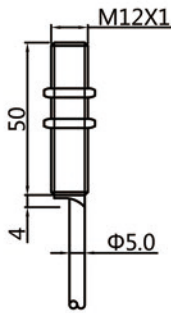


Features :

- M12*1 mm, Nickel-plated brass housing;
- 0.1-3.0mm, flush mountable;
- DC 3-wire, analog output;
- Cable & connector versions



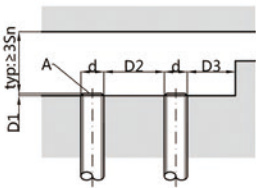
Dimensioned drawing



Model No.

Sensing range	Sn: 0.1-3.0 mm
4-20mA	BAB-M1203-CI2P2
0-10V	BAB-M1203-CV2P2

Mounting



d : diameter
D1 : 1mm
D2 : ≥d
D3 : ≥d
A: active surface

⚠ Tightening torque of the fastening screws: <1.8Nm!

Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA ; <400Ω / 0-10VDC ; >2000Ω
	No-load current	< 35mA
	Drift	<10%(Sr)
	Repeatability	<2%(Sr)
	Linearity	<5%(Sr)
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	PVC cable/2m; 3*0.35mm ²
Accessories	Accessories	NO (to be ordered separately)

Wiring

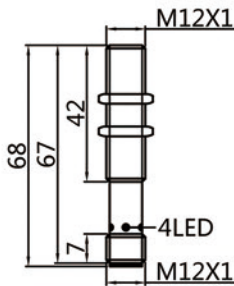


Features :

- M12*1 mm, Nickel-plated brass housing;
- 0.1-3.0mm, flush mountable;
- DC 3-wire, analog output;
- Cable & connector versions



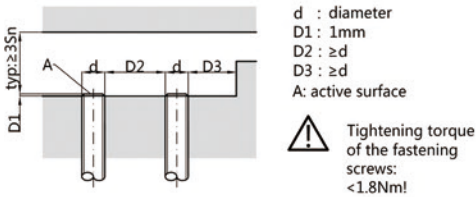
Dimensioned drawing



Model No.

Sensing range	Sn: 0.1-3.0 mm
4-20mA	BAB-M1203-CI2S12
0-10V	BAB-M1203-CV2S12

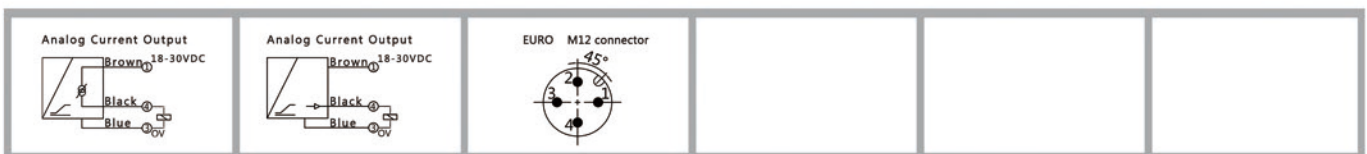
Mounting



Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA ; <400Ω / 0-10VDC ; >2000Ω
	No-load current	< 35mA
	Drift	<10%(Sr)
	Repeatability	<2%(Sr)
	Linearity	<5%(Sr)
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	M12 connector
Accessories	Accessories	B12-4GV2/B12-4WV2 (to be ordered separately)

Wiring



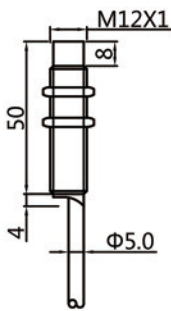


Features :

- M12*1 mm, Nickel-plated brass housing;
- 0.1-4.0mm, non-flush mountable;
- DC 3-wire, analog output;
- Cable & connector versions



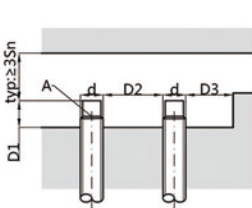
Dimensioned drawing



Model No.

Sensing range	Sn: 0.1-4.0 mm
4-20mA	BAN-M1204-CI2P2
0-10V	BAN-M1204-CV2P2

Mounting



d : diameter
D2 : ≥2d
D3 : ≥2Sn

A: active surface

Tightening torque of the fastening screws: <1.8Nm!

Installed in the metal	
sizeD1	D1(mm)
φ6.5	6
M8	6
Q8	6
M12	9
M18	16
M30	22

Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA ; <400Ω / 0-10VDC ; >2000Ω
	No-load current	< 35mA
	Drift	<10%(Sr)
	Repeatability	<2%(Sr)
	Linearity	<5%(Sr)
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	PVC cable/2m; 3*0.35mm ²
Accessories	Accessories	NO (to be ordered separately)

Wiring

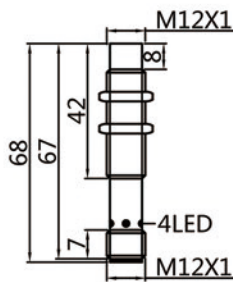


Features :

- M12*1 mm, Nickel-plated brass housing;
- 0.1-4.0mm, non-flush mountable;
- DC 3-wire, analog output;
- Cable & connector versions



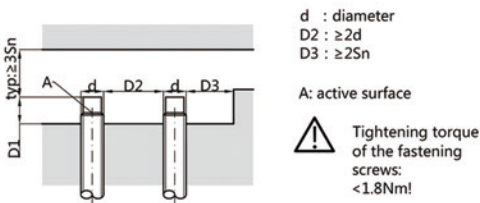
Dimensioned drawing



Model No.

Sensing range	Sn: 0.1-4.0 mm
4-20mA	BAN-M1204-CI2S12
0-10V	BAN-M1204-CV2S12

Mounting

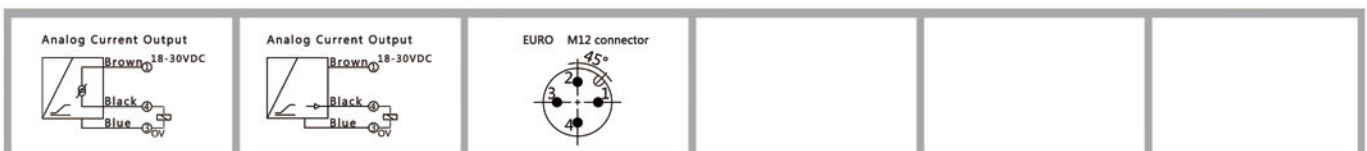


Installed in the metal	
sizeD1	D1(mm)
φ6.5	6
M8	6
Q8	6
M12	9
M18	16
M30	22

Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA ; <400Ω / 0-10VDC ; >2000Ω
	No-load current	< 35mA
	Drift	<10%(Sr)
	Repeatability	<2%(Sr)
	Linearity	<5%(Sr)
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	M12 connector
Accessories	Accessories	B12-4GV2/B12-4WV2
		(to be ordered separately)

Wiring

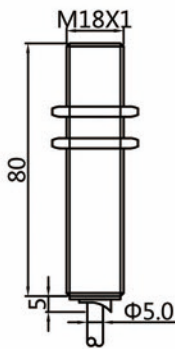


Features :

- M18*1 mm, Nickel-plated brass housing;
- 1-4mm, flush mountable;
- DC 3-wire/DC 4-wire, analog output;
- Cable & connector versions



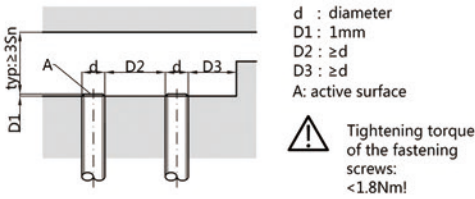
Dimensioned drawing



Model No.

Sensing range	Sn: 1-4 mm
4-20mA	BAB-M1804-CI2P2
0-10V	BAB-M1804-CV2P2
4-20mA/0-10V	BAB-M1804-CM2P2

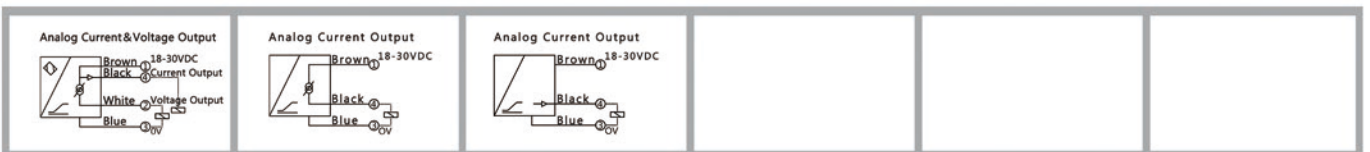
Mounting



Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA , <400Ω / 0-10VDC , >2000Ω /
	No-load current	0-10VDC , >4700Ω + 4-20mA , 400Ω
	Drift	< 35mA
	Repeatability	<10%(Sr)
	Linearity	<2%(Sr)
		<5%(Sr)
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	PVC cable/2m; 3*0.35mm ² /4*0.25mm ²
Accessories	Accessories	NO
		(to be ordered separately)

Wiring



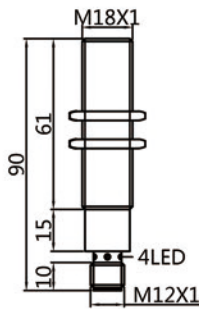


Features :

- M18*1 mm, Nickel-plated brass housing;
- 1-4mm, flush mountable;
- DC 3-wire/DC 4-wire, analog output;
- Cable & connector versions



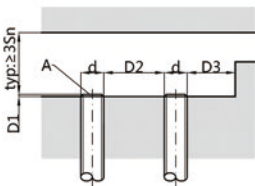
Dimensioned drawing



Model No.

Sensing range	Sn: 1-4 mm
4-20mA	BAB-M1804-CI2S12
0-10V	BAB-M1804-CV2S12
4-20mA/0-10V	BAB-M1804-CM2S12

Mounting

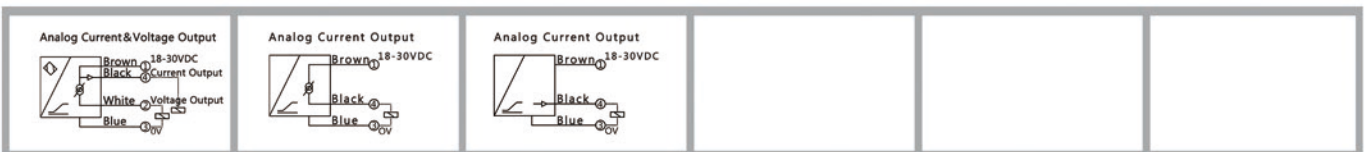


d : diameter
 D1 : 1mm
 D2 : $\geq d$
 D3 : $\geq d$
 A: active surface
 ⚠ Tightening torque
 of the fastening
 screws:
 <math><1.8\text{Nm}</math>

Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA , <math><400\Omega</math> / 0-10VDC , >2000 Ω /
	No-load current	0-10VDC , >4700 Ω + 4-20mA , 400 Ω
	Drift	< 35mA
	Repeatability	<10%(Sr)
	Linearity	<2%(Sr)
		<5%(Sr)
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	M12 connector
Accessories	Accessories	B12-4GV2/B12-4WV2
		(to be ordered separately)

Wiring



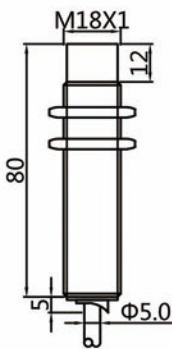


Features :

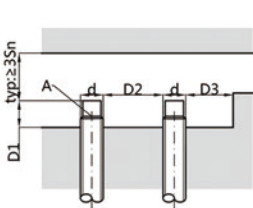
- M18*1 mm, Nickel-plated brass housing;
- 1-7mm, non-flush mountable;
- DC 3-wire/DC 4-wire, analog output;
- Cable & connector versions



Dimensioned drawing



Mounting



d : diameter
D2 : >=2d
D3 : >=2Sn

A: active surface

Tightening torque of the fastening screws: <1.8Nm!

Installed in the metal	
sizeD1	D1(mm)
φ6.5	6
M8	6
Q8	6
M12	9
M18	16
M30	22

Model No.

Sensing range

Sn: 1-7 mm

4-20mA **BAN-M1807-CI2P2**

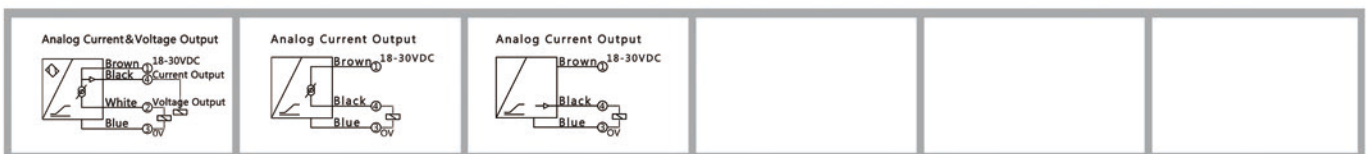
0-10V **BAN-M1807-CV2P2**

4-20mA/0-10V **BAN-M1807-CM2P2**

Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA , <400Ω / 0-10VDC , >2000Ω /
	No-load current	0-10VDC , >4700Ω + 4-20mA , 400Ω
	Drift	< 35mA
	Repeatability	<10%(Sr)
	Linearity	<2%(Sr)
		<5%(Sr)
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	PVC cable/2m; 3*0.35mm ² /4*0.25mm ²
Accessories	Accessories	NO
		(to be ordered separately)

Wiring



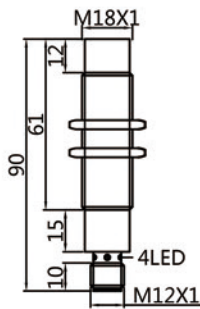


Features :

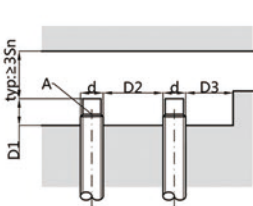
- M18*1 mm, Nickel-plated brass housing;
- 1-7mm, non-flush mountable;
- DC 3-wire/DC 4-wire, analog output;
- Cable & connector versions



Dimensioned drawing



Mounting



d : diameter
D2 : ≥2d
D3 : ≥2Sn
A: active surface
 Tightening torque of the fastening screws: <1.8Nm!

Installed in the metal	
sizeD1	D1(mm)
φ6.5	6
M8	6
Q8	6
M12	9
M18	16
M30	22

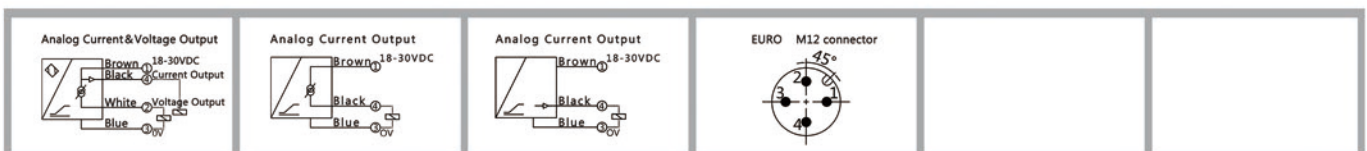
Model No.

Sensing range	Sn: 1-7 mm
4-20mA	BAN-M1807-CI2S12
0-10V	BAN-M1807-CV2S12
4-20mA/0-10V	BAN-M1807-CM2S12

Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA , <400Ω / 0-10VDC , >2000Ω /
	No-load current	0-10VDC , >4700Ω + 4-20mA , 400Ω
	Drift	< 35mA
	Repeatability	<10%(Sr)
	Linearity	<2%(Sr)
		<5%(Sr)
	Environment	Ambient temperature
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	M12connector
Accessories	Accessories	B12-4GV2/B12-4WV2 (to be ordered separately)

Wiring



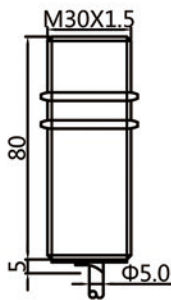


Features :

- M30*1.5mm, Nickel-plated brass housing;
- 5-10mm, flush mountable;
- DC 3-wire/DC 4-wire, analog output;
- Cable & connector versions



Dimensioned drawing



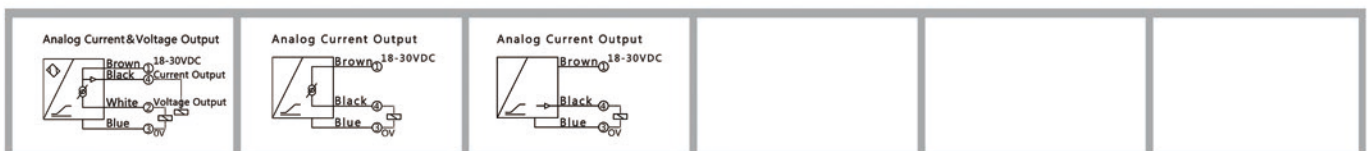
Model No.

Sensing range	Sn: 5-10 mm
4-20mA	BAB-M3010-CI2P2
0-10V	BAB-M3010-CV2P2
4-20mA/0-10V	BAB-M3010-CM2P2

Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA , <400Ω / 0-10VDC , >2000Ω /
	No-load current	0-10VDC , >4700Ω + 4-20mA , 400Ω
	Drift	< 35mA
	Repeatability	<10%(Sr)
	Linearity	<2%(Sr) <5%(Sr)
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	PVC cable/2m; 3*0.35mm ² /4*0.25mm ²
Accessories	Accessories	NO (to be ordered separately)

Wiring



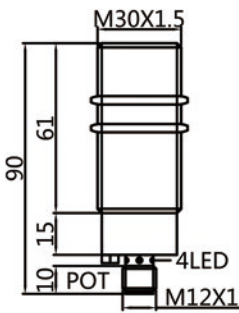


Features :

- M30*1.5mm, Nickel-plated brass housing;
- 5-10mm, flush mountable;
- DC 3-wire/DC 4-wire, analog output;
- Cable & connector versions



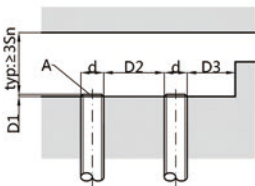
Dimensioned drawing



Model No.

Sensing range	Sn: 5-10 mm
4-20mA	BAB-M3010-CI2S12
0-10V	BAB-M3010-CV2S12
4-20mA/0-10V	BAB-M3010-CM2S12

Mounting



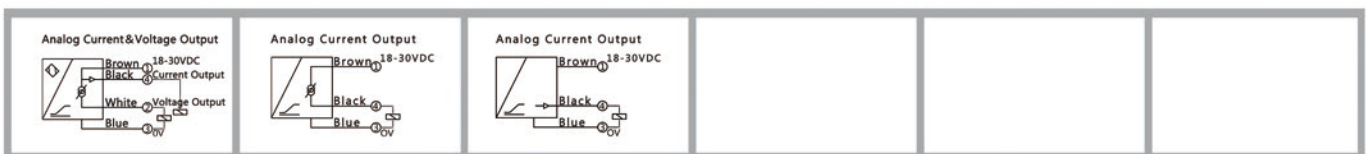
d : diameter
D1: 1mm
D2: ≥d
D3: ≥d
A: active surface

⚠ Tightening torque of the fastening screws: <1.8Nm!

Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA , <400Ω / 0-10VDC , >2000Ω /
	No-load current	0-10VDC , >4700Ω + 4-20mA , 400Ω
	Drift	< 35mA
	Repeatability	<10%(Sr)
	Linearity	<2%(Sr)
		<5%(Sr)
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	M12 connector
Accessories	Accessories	B12-4GV2/B12-4WV2
		(to be ordered separately)

Wiring



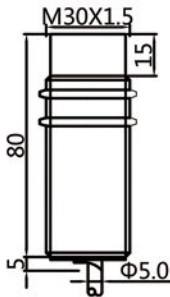


Features :

- M30*1.5mm, Nickel-plated brass housing;
- 7-14mm, non-flush mountable;
- DC 3-wire/DC 4-wire, analog output;
- Cable & connector versions



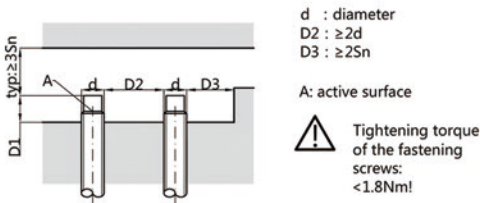
Dimensioned drawing



Model No.

Sensing range	Sn: 7-14 mm
4-20mA	BAN-M3014-CI2P2
0-10V	BAN-M3014-CV2P2
4-20mA/0-10V	BAN-M3014-CM2P2

Mounting

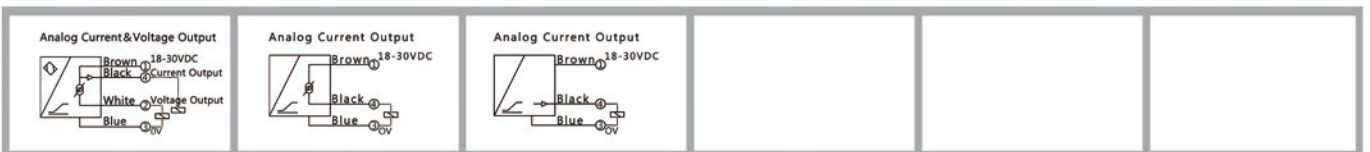


Installed in the metal	
sizeD1	D1(mm)
φ6.5	6
M8	6
Q8	6
M12	9
M18	16
M30	22

Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA , <400Ω / 0-10VDC , >2000Ω /
	No-load current	0-10VDC , >4700Ω + 4-20mA , 400Ω
	Drift	< 35mA
	Repeatability	<10%(Sr)
	Linearity	<2%(Sr) <5%(Sr)
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	PVC cable/2m; 3*0.35mm ² /4*0.25mm ²
Accessories	Accessories	NO (to be ordered separately)

Wiring



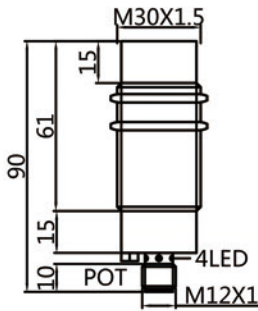


Features :

- M30*1.5mm, Nickel-plated brass housing;
- 7-15mm, non-flush mountable;
- DC 3-wire/DC 4-wire, analog output;
- Cable & connector versions



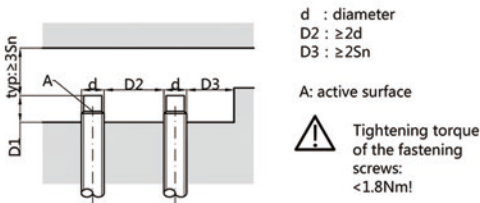
Dimensioned drawing



Model No.

Sensing range	Sn: 7-14 mm
4-20mA	BAN-M3014-CI2S12
0-10V	BAN-M3014-CV2S12
4-20mA/0-10V	BAN-M3014-CM2S12

Mounting

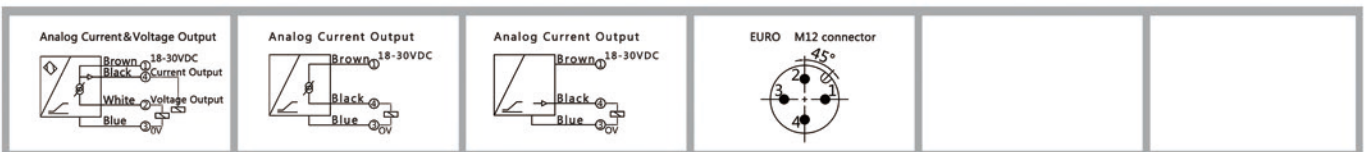


Installed in the metal	
size D1	D1(mm)
φ6.5	6
M8	6
Q8	6
M12	9
M18	16
M30	22

Technical data

Electrical data	Operating Voltage	18-30V DC
	Switching frequency	100Hz
	Output function	4-20mA, <400Ω / 0-10VDC, >2000Ω /
	No-load current	0-10VDC, >4700Ω + 4-20mA, 400Ω
	Drift	< 35mA
	Repeatability	<10%(Sr)
	Linearity	<2%(Sr) <5%(Sr)
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT
Electrical connection	Connectors	M12 connector
Accessories	Accessories	B12-4GV2/B12-4WV2 (to be ordered separately)

Wiring

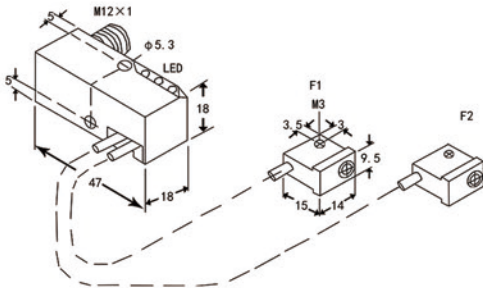


Features :

- Q45 Plastic housing;
- 2x NO, switching output;
- 2mm, non-flush mountable;
- DC 4-wire,10...30V DC;
- Connector version



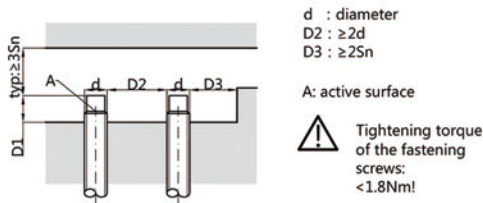
Dimensioned drawing



Model No.

Sensing range	Sn: 2 mm
PNP	BN-Q4502P-P41S12
NPN	BN-Q4502N-P41S12

Mounting



Installed in the metal	
sizeD1	D1(mm)
φ6.5	6
M8	6
Q8	6
M12	9
M18	16
M30	22

Technical data

Electrical data	Operating voltage	10-30V DC
	Switching frequency	30Hz
	Voltage drop	<1.8V
	Load current	150mA/24VDC
	Residual ripple	< 20mA (24 V)
	Hysteresis	3--15%(Sr)
	Repeatability	<2%(Sr)
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Plastic, PBT-GF30-V0
	Face material	PP
	Operating indicator	Yellow/Red : output/Green:power supply
Electrical connection	Connectors	M12 connector
Accessories	Accessories	B12-4GV2/B12-4WV2
		(to be ordered separately)

Wiring

