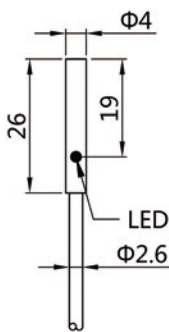


Features :

- $\phi 4$ mm, Stainless steel housing;
- 0.8mm, flush mountable;
- NAMUR DC 2-wire, switching output;
- Cable version



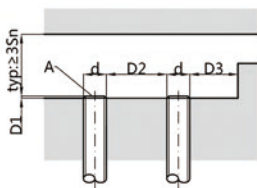
Dimensioned drawing



Model No.

Sensing range	Sn: 0.8 mm
N.O.	BB-H40.8NA-V10P2

Mounting



d : diameter
D1 : 1mm
D2 : $\geq d$
D3 : $\geq d$
A: active surface

Tightening torque of the fastening screws: <1.8Nm!

Technical data

Electrical data	Operating voltage	6-12V DC
	Switching frequency	2000Hz
	Load current	>2.2mA(OFF), <1.1mA(ON)
	Hysteresis	<15%(Sr)
	Drift	<2%(Sr)
	Power-up delay	≤ 10 ms
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67
Mechanical data	Housing material	Stainless steel
	Face material	POM
Electrical connection	Connectors	PVC cable/2m; 2*0.18mm ²
Accessories	Accessories	NO (to be ordered separately)

Wiring

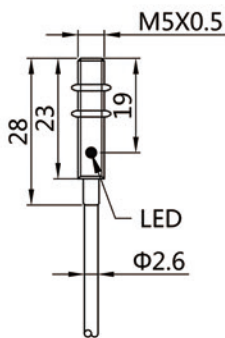


Features :

- M5*0.5mm, Stainless steel housing;
- 0.8mm, flush mountable;
- NAMUR DC 2-wire, switching output;
- Cable version



Dimensioned drawing



Model No.

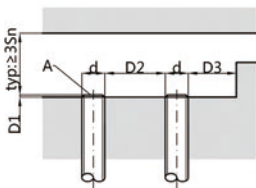
Sensing range

Sn: 0.8 mm

N.O.

BB-M50.8NA-V10P2

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	6-12V DC
	Switching frequency	2000Hz
	Load current	>2.2mA(OFF), <1.1mA(ON)
	Hysteresis	<15%(Sr)
	Drift	<2%(Sr)
	Power-up delay	≤10ms

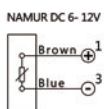
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67

Mechanical data	Housing material	Stainless steel
	Face material	POM

Electrical connection	Connectors	PVC cable/2m; 2*0.18mm ²
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Accessories	Accessories	NO (to be ordered separately)
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Wiring

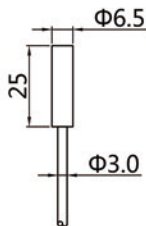


Features :

- ϕ 6.5 mm, Stainless steel housing;
- 1mm, flush mountable;
- NAMUR DC 2-wire, switching output;
- Cable & connector versions



Dimensioned drawing



Model No.

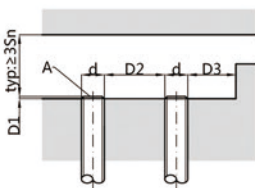
Sensing range

Sn : 1 mm

N.O.

BB-H6. 501NA-V10P2

Mounting



d : diameter
D1 : 1mm
D2 : \geq d
D3 : \geq d
A: active surface

Tightening torque of the fastening screws: <1.8Nm!

Technical data

Electrical data	Operating voltage	6-12V DC
	Switching frequency	2000Hz
	Load current	>2.2mA(OFF), <1.1mA(ON)
	Hysteresis	<15%(Sr)
	Drift	<2%(Sr)
	Power-up delay	\leq 10ms

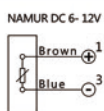
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67

Mechanical data	Housing material	Stainless steel
	Face material	POM

Electrical connection	Connectors	PVC cable/2m; 2*0.25mm ²
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Accessories	Accessories	NO (to be ordered separately)
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Wiring



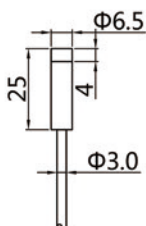


Features :

- $\phi 6.5$ mm, Stainless steel housing;
- 2mm, non-flush mountable;
- NAMUR DC 2-wire, switching output;
- Cable version



Dimensioned drawing



Model No.

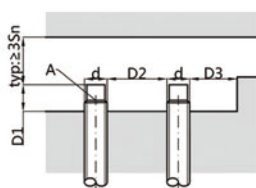
Sensing range

Sn: 2 mm

N.O.

BN-H6. 502NA-V10P2

Mounting



d : diameter
D2 : $\geq 2d$
D3 : $\geq 2Sn$

A: active surface

Tightening torque of the fastening screws: $< 1.8\text{Nm!}$

Installed in the metal	
sizeD1	D1(mm)
$\phi 6.5$	6
M8	6
Q8	6
M12	9
M18	16
M30	22

Technical data

Electrical data	Operating voltage	6-12V DC
	Switching frequency	1000Hz
	Load current	$> 2.2\text{mA(OFF)}$, $< 1.1\text{mA(ON)}$
	Hysteresis	$< 15\%(Sr)$
	Drift	$< 2\%(Sr)$
	Power-up delay	$\leq 10\text{ms}$

Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67

Mechanical data	Housing material	Stainless steel
	Face material	POM

Electrical connection	Connectors	PVC cable/2m; $2 \times 0.25\text{mm}^2$
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Accessories	Accessories	NO
		(to be ordered separately)

Wiring

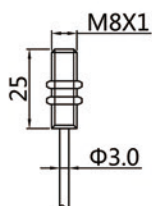


Features :

- M8*1mm, Stainless steel housing;
- 1mm, flush mountable;
- NAMUR DC 2-wire, switching output;
- Cable version



Dimensioned drawing



Model No.

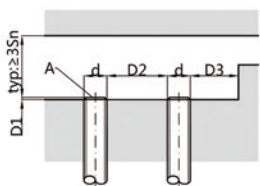
Sensing range

Sn : 1 mm

N.O.

BB-M801NA-V10P2

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	6-12V DC
	Switching frequency	2000Hz
	Load current	>2.2mA(OFF), <1.1mA(ON)
	Hysteresis	<15%(Sr)
	Drift	<2%(Sr)
	Power-up delay	≤10ms

Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67

Mechanical data	Housing material	Stainless steel
	Face material	POM

Electrical connection	Connectors	PVC cable/2m; 2*0.25mm ²
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Accessories	Accessories	NO (to be ordered separately)
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Wiring

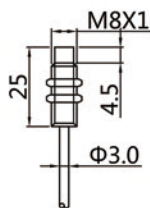


Features :

- M8*1mm, Stainless steel housing;
- 2mm, non-flush mountable;
- NAMUR DC 2-wire, switching output;
- Cable version



Dimensioned drawing



Model No.

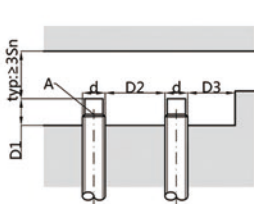
Sensing range

Sn: 2 mm

N.O.

BN-M802NA-V10P2

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	6-12V DC
	Switching frequency	1000Hz
	Load current	>2.2mA(OFF), <1.1mA(ON)
	Hysteresis	<15%(Sr)
	Drift	<2%(Sr)
	Power-up delay	≤10ms

Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67

Mechanical data	Housing material	Stainless steel
	Face material	POM

Electrical connection	Connectors	PVC cable/2m; 2*0.25mm ²
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Accessories	Accessories	NO
		(to be ordered separately)

Wiring

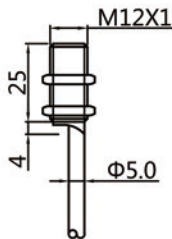


Features :

- M12*1mm, Nickel-plated brass housing;
- 2mm, flush mountable;
- NAMUR DC 2-wire, switching output;
- Cable version



Dimensioned drawing



Model No.

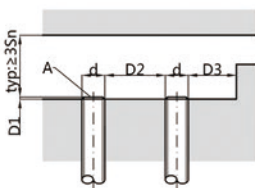
Sensing range

Sn : 2 mm

N.O.

BB-M1202NA-C10P2

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	6-12V DC
	Switching frequency	2000Hz
	Load current	>2.2mA(OFF), <1.1mA(ON)
	Hysteresis	<15%(Sr)
	Drift	<2%(Sr)
	Power-up delay	≤10ms

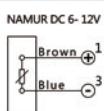
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67

Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT

Mechanical data	Connectors	PVC cable/2m; 2*0.5mm ²
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Accessories	Accessories	NO (to be ordered separately)
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Wiring

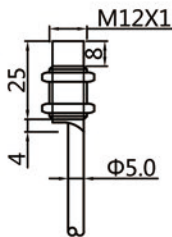


Features :

- M12*1mm, Nickel-plated brass housing;
- 4mm, non-flush mountable;
- NAMUR DC 2-wire, switching output;
- Cable version



Dimensioned drawing



Model No.

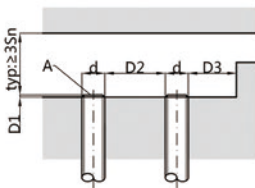
Sensing range

Sn: 4 mm

N.O.

BN-M1204NA-C10P2

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	6-12V DC
	Switching frequency	1000Hz
	Load current	>2.2mA(OFF), <1.1mA(ON)
	Hysteresis	<15%(Sr)
	Drift	<2%(Sr)
	Power-up delay	≤10ms

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; 2*0.5mm ²
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Accessories	Accessories	NO (to be ordered separately)
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Wiring

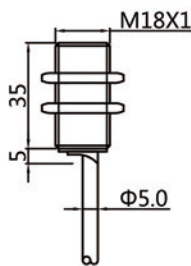


Features :

- M18*1mm, Nickel-plated brass housing;
- 5mm, flush mountable;
- NAMUR DC 2-wire, switching output;
- Cable version



Dimensioned drawing



Model No.

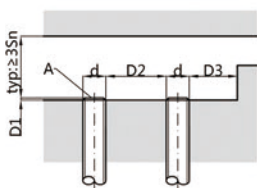
Sensing range

Sn : 5 mm

N.O.

BB-M1805NA-C10P2

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	6-12V DC
	Switching frequency	500Hz
	Load current	>2.2mA(OFF), <1.1mA(ON)
	Hysteresis	<15%(Sr)
	Drift	<2%(Sr)
	Power-up delay	≤10ms

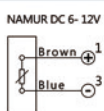
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67

Mechanical data	Housing material	Stainless steel
	Face material	PBT

Electrical connection	Connectors	PVC cable/2m; 2*0.5mm ²
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Accessories	Accessories	NO (to be ordered separately)
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Wiring



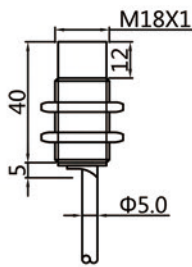


Features :

- M18*1mm, Nickel-plated brass housing;
- 8mm, non-flush mountable;
- NAMUR DC 2-wire, switching output;
- Cable version



Dimensioned drawing



Model No.

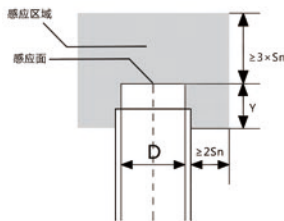
Sensing range

Sn : 8 mm

N.O.

BN-M1808NA-C10P2

安装指示图



(非齐平式安装)

材料影响：	
被测物材料	衰减系数
Fe360钢	1
铝	0.35-0.45
黄铜	0.35-0.5
钢	0.25-0.45
不锈钢	0.6-1
铸铁	0.93-1.05
镍	0.65-0.75

Technical data

Electrical data	Operating voltage	6-12V DC
	Switching frequency	300Hz
	Load current	>2.2mA(OFF), <1.1mA(ON)
	Hysteresis	<15%(Sr)
	Drift	<2%(Sr)
	Power-up delay	≤10ms

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; 2*0.5mm ²
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Accessories	Accessories	NO
		(to be ordered separately)

Wiring

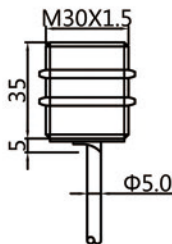


Features :

- M30*1.5mm, Nickel-plated brass housing;
- 10mm, flush mountable;
- NAMUR DC 2-wire, switching output;
- Cable version



Dimensioned drawing



Model No.

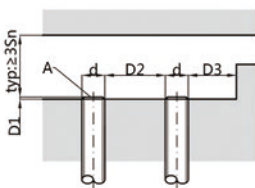
Sensing range

Sn: 10 mm

N.O.

BB-M3010NA-C10P2

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	6-12V DC
	Switching frequency	300Hz
	Load current	>2.2mA(OFF), <1.1mA(ON)
	Hysteresis	<15%(Sr)
	Drift	<2%(Sr)
	Power-up delay	≤10ms

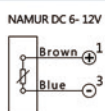
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67

Mechanical data	Housing material	Brass,nickel-plated
	Face material	PBT

Electrical connection	Connectors	PVC cable/2m; 2*0.5mm ²
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Accessories	Accessories	NO (to be ordered separately)
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Wiring



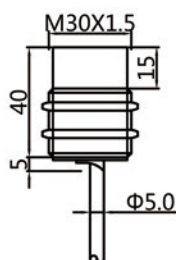


Features :

- M30*1.5mm, Nickel-plated brass housing;
- 15mm, non-flush mountable;
- NAMUR DC 2-wire, switching output;
- Cable version



Dimensioned drawing



Model No.

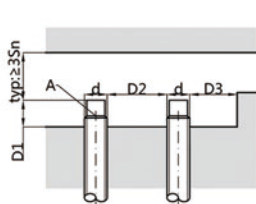
Sensing range

Sn: 15 mm

N.O.

BN-M3015NA-C10P2

Mounting



d : diameter
D2 : ≥2d
D3 : ≥2Sn

A: active surface

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

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	6-12V DC
	Switching frequency	100Hz
	Load current	>2.2mA(OFF), <1.1mA(ON)
	Hysteresis	<15%(Sr)
	Drift	<2%(Sr)
	Power-up delay	≤10ms

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; 2*0.5mm ²
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Accessories	Accessories	NO
		(to be ordered separately)

Wiring



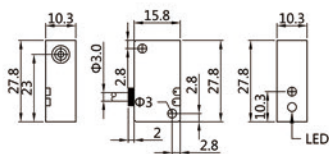


Features :

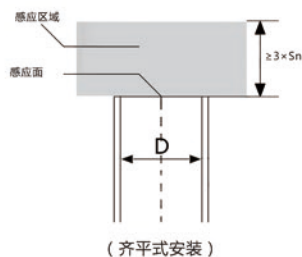
- Q28 Plastic housing;
- 2mm, flush mountable;
- NAMUR DC 2-wire, switching output;
- 90° side cable version



Dimensioned drawing



安装指示图



材料影响：	
被测物材料	衰减系数
Fe360钢	1
铝	0.35-0.45
黄铜	0.35-0.5
钢	0.25-0.45
不锈钢	0.6-1
铸铁	0.93-1.05
镍	0.65-0.75

Model No.

Sensing range

Sn: 2 mm

N.O.

BB-Q2802NA-P10P2-T

Technical data

Electrical data	Operating voltage	6-12V DC
	Switching frequency	2000Hz
	Load current	>2.2mA(OFF), <1.1mA(ON)
	Hysteresis	<15%(Sr)
	Drift	<2%(Sr)
	Power-up delay	≤10ms

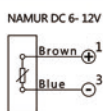
Environment	Ambient temperature	-25...70°C
	Ingress protection	IP67

Mechanical data	Housing material	Brass, nickel-plated
	Face material	PBT

Electrical connection	Connectors	PVC cable/2m; 2*0.25mm²
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Accessories	Accessories	NO
	(to be ordered separately)	

Wiring

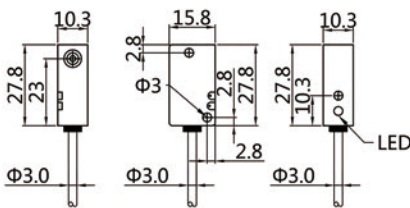


Features :

- Q28 Plastic housing;
- 2mm, flush mountable;
- NAMUR DC 2-wire, switching output;
- Connector version



Dimensioned drawing



Model No.

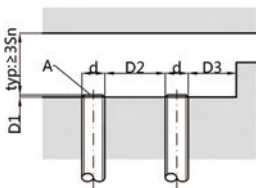
Sensing range

Sn: 2 mm

N.O.

BB-Q2802NA-P10P2

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	6-12V DC
	Switching frequency	2000Hz
	Load current	>2.2mA(OFF), <1.1mA(ON)
	Hysteresis	<15%(Sr)
	Drift	<2%(Sr)
	Power-up delay	≤10ms

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; 2*0.25mm ²
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Accessories	Accessories	NO (to be ordered separately)
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Wiring

