

NAMUR INDUCTIVE PROXIMITY SENSORS

Diameter
☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

Operating Voltage
Ripple
No Load Current
Response Time
Switching Frequency
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Time Delay Before Availability
EMC
Shock / Vibration
Material Active Face

DC 3 wire 10-30V NPN N.O.
DC 3 wire 10-30V NPN N.C.
DC 3 wire 10-30V PNP N.O.
DC 3 wire 10-30V PNP N.C.
DC 4 wire 10-30V Changeover PNP (N.O. & N.C.)
DC 4 wire 10-30V Changeover NPN (N.O. & N.C.)
DC 2 wire 10-60V N.O.
DC 2 wire 10-60V N.C.
NAMUR
DC 3 wire 10-55V NPN N.C.
DC 3 wire 10-55V PNP N.O.
DC 3 wire 10-55V PNP N.C.
DC 3 wire 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O & N.C.)

Dimensions (unit: mm)

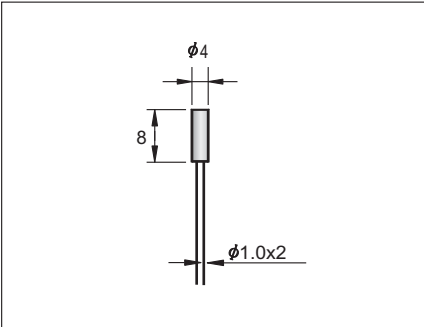
Cable 2M (PVC)
Weight

Ø 4

0.6 mm
Stainless steel




6-12VDC
-
>2.2mA(OFF) <1.1mA(ON)
2KHZ
0.05ms/0.05ms
<15%(Sr)
-
IP67
-25 °C - +70 °C
<2%(Sr)
-
-
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
POM

[illegible]

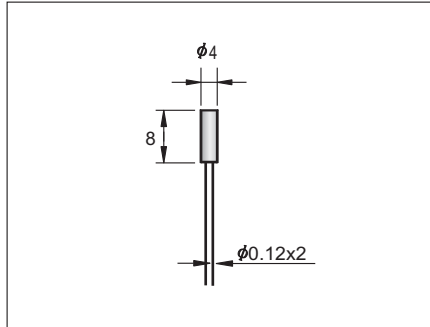
1.0ø 1.0x2 1m cable
Approx.11 g

Ø 4

0.8 mm
Stainless steel
○

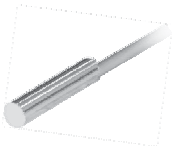


6-12VDC
-
>2.2mA(OFF) <1.1mA(ON)
2KHZ
0.05ms/0.05ms
<15%(Sr)
-
IP67
-25 °C - +70 °C
<2%(Sr)
-
-
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
POM

[illegible]

1.0ϕ 1.0x2 1m cable
Approx.11 g

NAMUR INDUCTIVE PROXIMITY SENSORS

[illegible]

Technical drawing of a pin. The drawing shows a vertical pin with a cylindrical head of diameter $\phi 4$ and a shaft of diameter $\phi 2.7$. The total length of the pin is indicated as 20. The drawing is oriented vertically, with the head at the top and the shaft extending downwards.

[illegible]

Technical drawing of a screw with the following dimensions:

- Thread: M5x0.5
- Head height: 15
- Head diameter: 20
- Shank diameter: $\phi 2.7$

[illegible]

Technical drawing showing two types of pins. The left pin is a standard pin with a diameter of 3 mm and a length of 25 mm. The right pin is a pin with a diameter of 3 mm and a length of 25 mm, but it has a 4 mm long section at the top that is wider than the main body. The width of the main body for both pins is 6.5 mm.

NAMUR INDUCTIVE PROXIMITY SENSORS

Diameter
☒ Shielded ☐ Non-shielded
Switching Distance Sn: mm
Housing Material
☒ With LED ☐ Without LED

Picture

M8	
	
1 mm	2 mm
Stainless steel or Nickel plated brass	
	



CE

M12	
	
2 mm	4 mm
Stainless steel or Nickel plated brass	
	



CE

Operating Voltage
Ripple
No Load Current
Response Time
Switching Frequency
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Time Delay Before Availability
EMC
Shock / Vibration
Material Active Face

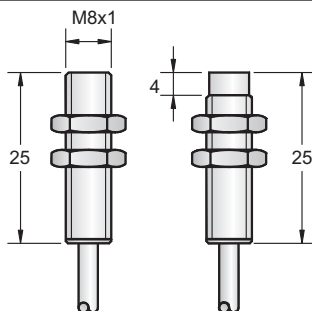
6-12VDC	
-	
>2.2mA(OFF) <1.1mA(ON)	
2KHZ	1KHZ
0.05ms/0.05ms	0.1ms/0.1ms
<15%(Sr)	
-	
IP67	
-25 °C - +70 °C	
<2%(Sr)	
-	
-	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	

6-12VDC	
-	
>2.2mA(OFF) <1.1mA(ON)	
1KHZ	0.5KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
-	
IP67	
-25 °C - +70 °C	
<2%(Sr)	
-	
-	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	PBT

DC 3 wire 10-30V NPN N.O.
DC 3 wire 10-30V NPN N.C.
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DC 2 wire 10-60V N.C.
NAMUR
DC 3 wire 10-55V NPN N.C.
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DC 3 wire 10-55V PNP N.C.
DC 3 wire 5-36V NPN N.O.
DC 3 wire 5-36V NPN N.C.
DC 3 wire 5-36V PNP N.O.
DC 3 wire 5-36V PNP N.C.
DC 4 wire 5-36V Changeover PNP (N.O. & N.C.)
DC 4 wire 5-36V Changeover NPN (N.O. & N.C.)

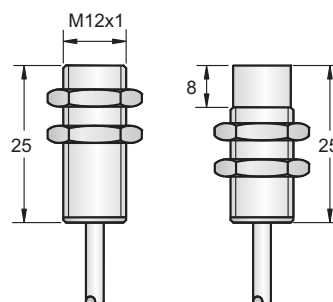
[illegible][illegible]

Dimensions (unit: mm)



Cable 2M (PVC)
Weight

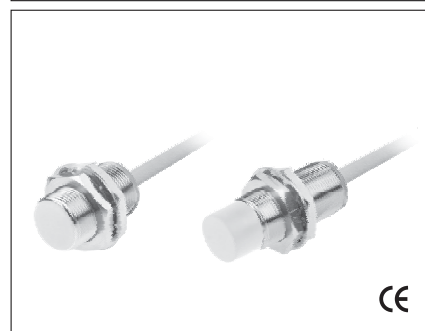
3 ϕ 2x0.15	
Approx.34 g	Approx.32 g



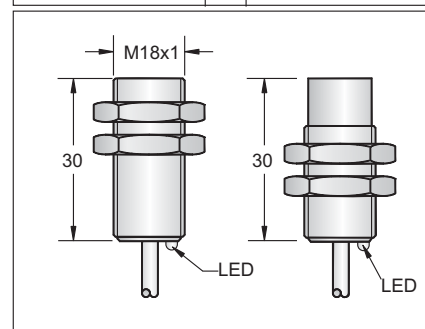
4φ 2x0.34	
Approx.42 g	Approx.41 g

NAMUR INDUCTIVE PROXIMITY SENSORS

M18(with LED)	
	
5 mm	8 mm
stainless steel or nickel plated brass	
	



6-12VDC	
-	
>2.2mA(ON) <1.1mA(OFF)	
0.2ms/0.2ms	0.5ms/0.5ms
500HZ	300HZ
<15%(Sr)	
-	
IP67	
-25 °C - +70 °C	
<2%(Sr)	
-	
-	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
PBT	

[illegible]

4 ϕ 2x0.34	
Approx.126 g	Approx.124 g

NAMUR INDUCTIVE PROXIMITY SENSORS

Picture

Dimensions (unit: mm)

[illegible]

Technical drawings of two types of fasteners. The left drawing shows a fastener with a hexagonal head, a total height of 40, and a diameter of M30. The right drawing shows a fastener with a hexagonal head, a total height of 45, and a diameter of M30. The right drawing also shows a detail of the head with a height of 15 and a width of 30.

[illegible]

Technical drawings of the LED module showing front and side views with dimensions:

- Front View (Left):** Shows a square module with a width of $M30$ and a height of 40 . It features three horizontal LED strips. A label "LED" points to the bottom strip.
- Side View (Right):** Shows the module's profile with a total height of 45 . The top section has a height of 15 , and the bottom section has a height of 30 . It also features three horizontal LED strips. A label "LED" points to the bottom strip.

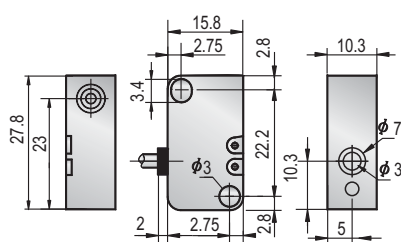
1	1	9	1	1	9
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NAMUR INDUCTIVE PROXIMITY SENSORS

Q16x28x10	
	
1 mm	2 mm
PBT RESIN	
	



6-12VDC	
-	
>2.2mA(OFF) <1.1mA(ON)	
2KHZ	1KHZ
0.05ms/0.05ms	0.1ms/0.1ms
<15%(Sr)	
-	
IP67	
-25 °C - +70 °C	
<2%(Sr)	
-	
-	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	

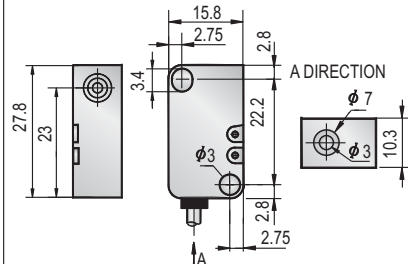
[illegible]

3 ϕ 2x0.34
Approx.55 g

Q16x28x10	
	
1 mm	2 mm
PBT RESIN	
	



6-12VDC	
-	
>2.2mA(OFF) <1.1mA(ON)	
2KHZ	1KHZ
0.05ms/0.05ms	0.1ms/0.1ms
<15%(Sr)	
-	
IP67	
-25 °C - +70 °C	
<2%(Sr)	
-	
-	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	

[illegible]

3φ 2x0.34
Approx.55 g