

DC INDUCTIVE PROXIMITY SENSORS

Q16x28x10

	
1 mm	2 mm
PBT RESIN	
	



10-30VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
-

[illegible]

3 ϕ 3x0.15
Approx. 55 g

[illegible]

Approx. 25 g



A small, white, rectangular electronic device with a cable attached. It features a globe icon and a CE mark.

[illegible]

3Ø 3x0.15
Approx. 55 g



A small, white, rectangular electronic device, likely a sensor or actuator, with a circular logo on the front and a connector on the side.

[illegible]

	Approx. 25 g

DC INDUCTIVE PROXIMITY SENSOR SQUARE TYPE

Diameter

● Shielded ○ Non-shielded

Switching Distance Sn: mm

Housing Material

● With LED ○ Without LED

Picture

Operating Voltage

Ripple

No Load Current

Max. Load Current

Leakage Current

Voltage Drop

Switching Frequency

Response Time

Switching Hysteresis

Repeat Accuracy

Protection Category

Operating Temperature

Temperature Drift

Short Circuit Protection

Overload Trip Point

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.

DC 3 wire 10-55V NPN N.O.

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

Q16x28x10

●

3 mm

○

6 mm

PBT RESIN

●



CE

10-30VDC

<10%

<10mA

200mA

<0.01mA

<2.0V

1KHZ

0.2ms/0.2ms

500HZ

0.5ms/0.5ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

YES

220mA

-

P1S1P2803NO3A2X

1

P1S2P2806NO3A2X

P1S1P2803NC3A2X

2

P1S2P2806NC3A2X

P1S1P2803PO3A2X

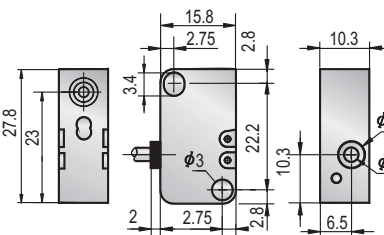
3

P1S2P2806PO3A2X

P1S1P2803PC3A2X

4

P1S2P2806PC3A2X



3φ3x0.15

Approx.55 g

Q16x28x10

●

3 mm

○

6 mm

PBT RESIN

●



CE

10-30VDC

<10%

<10mA

200mA

<0.01mA

<2.0V

1KHZ

0.2ms/0.2ms

500HZ

0.5ms/0.5ms

<15%(Sr)

<1.0%(Sr)

IP67

-25 °C - +70 °C

<10%(Sr)

YES

220mA

-

P1S1P2803NOPA3X

25

P1S2P2806NOPA3X

P1S1P2803NCPA3X

25

P1S2P2806NCPA3X

P1S1P2803POPA3X

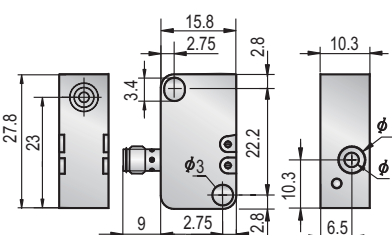
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P1S2P2806POPA3X

P1S1P2803PCPA3X

26

P1S2P2806PCPA3X



3φ3x0.15

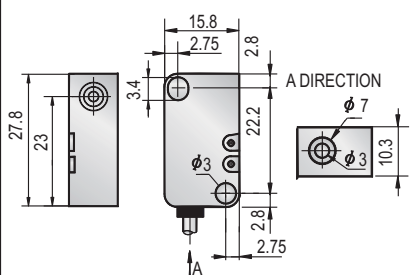
Approx.25 g

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2KHZ
0.1ms/0.1ms
<15%(Sr)
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IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
-

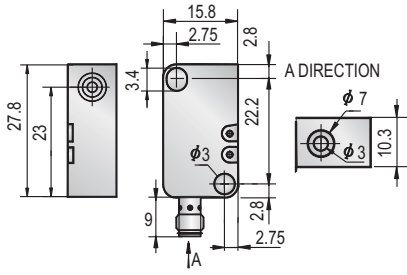
[illegible]

3Ø 3x0.15
Approx.55 g

Q16x28x10	
	
1 mm	2 mm
PBT RESIN	
	



10-30VDC
<10%
<10mA
200mA
<0.01mA
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2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
-

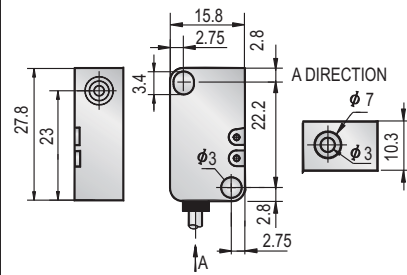
[illegible]

Approx.25 g

Q16x28x10	
	
2 mm	4 mm
PBT RESIN	
	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
-	

[illegible]

3Ø 3x0.15
Approx.55 g

DC INDUCTIVE PROXIMITY SENSOR SQUARE TYPE

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

Picture

Q16x28x10	
	
2 mm	4 mm
PBT RESIN	
	



CE

Q16x28x10	
	
3 mm	6 mm
PBT RESIN	
	



CE

Operating Voltage
Ripple
No Load Current
Max. Load Current
Leakage Current
Voltage Drop
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Overload Trip Point
Material Active Face

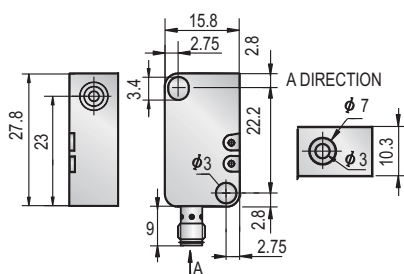
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
-	

10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
-	

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. *
DC 3 wire 10-55V NPN N.O.
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.)

[illegible][illegible]

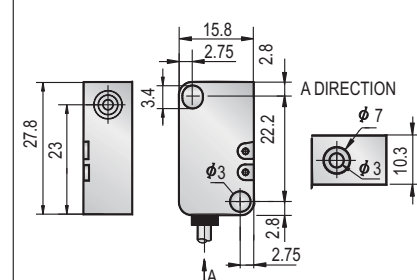
Dimensions (unit: mm)



* : DC 2wire 10-60V specifications
see page 3-05. Other is same.

Cable 2M (PVC)
Weight

Approx.25 g



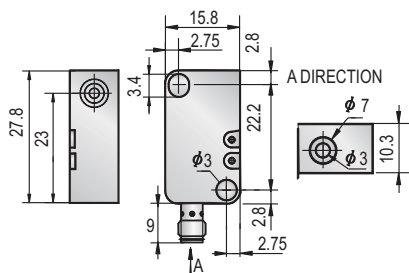
3 ϕ 3x0.15
Approx. 55 g

DC INDUCTIVE PROXIMITY SENSOR SQUARE TYPE

Q16x28x10	
	
3 mm	6 mm
PBT RESIN	
	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
<2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15% (Sr)	
<1.0% (Sr)	
IP67	
-25 °C - +70 °C	
<10% (Sr)	
YES	
220mA	
-	

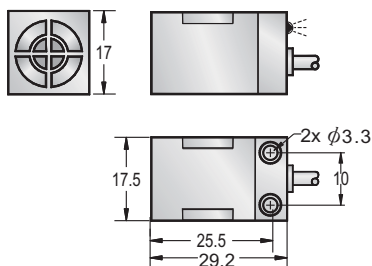
[illegible]

Approx. 25 g

Q 16
○
4 mm
ABS RESIN
●



10-30VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
500HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
POM

[illegible]

4 ϕ 3x0.15
Approx.55 g

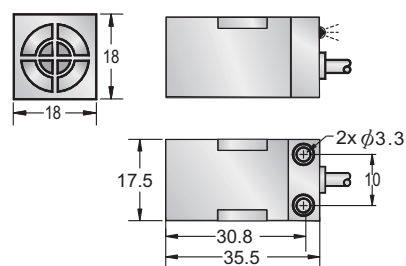
Q 18

4 mm
ABS RESIN




10-30VDC /10-55VDC /10-60VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
500HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
ABS

P1S2P1804N03A2	1
P1S2P1804NC3A2	2
P1S2P1804PO3A2	3
P1S2P1804PC3A2	4
P4S2P1804CO2A2	7
P4S2P1804CC2A2	8
P3S2P1804NO3A2	1
P3S2P1804NC3A2	2
P3S2P1804PO3A2	3
P3S2P1804PC3A2	4



4 ϕ 3x0.15; 2x0.15
Approx.58 g