

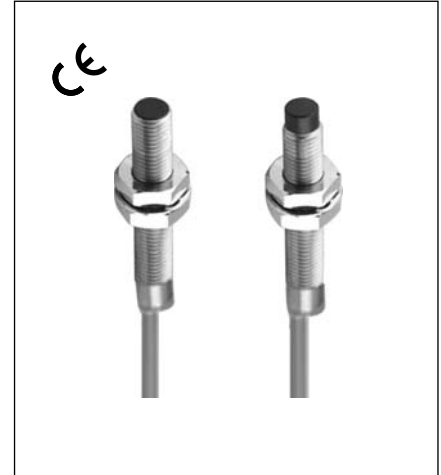
WELD FIELD IMMUNE INDUCTIVE PROXIMITY SENSOR (10-30VDC)

Diameter
● Shielded ○ non-Shielded
Switching Distance, Sn: mm
Housing Material
● With LED ○ Without LED

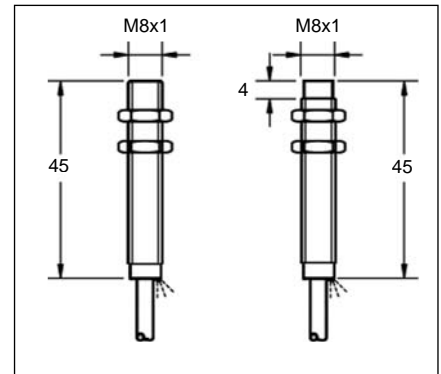
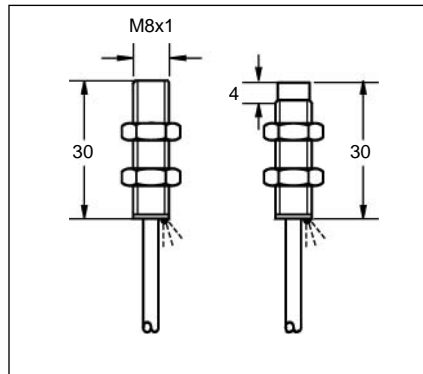
M8	
●	○
1 mm	2 mm
Stainless steel	
●	

M8	
●	○
1 mm	2 mm
Stainless steel	
●	

Picture



Dimensions (unit: mm)



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%
<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
PTFE

<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
PTFE

Connecting type
Weight

2M Cable (2.9 φ 3x0.15)
approx.40 g

2M Cable (2.9 φ 3x0.15)
approx.53 g

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 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 5-36 V NPN N.O.
DC 3 wire 5-36 V NPN N.C.
DC 3 wire 5-36 V PNP N.O.
DC 3 wire 5-36 V PNP N.C.

WSS-M801N-A1VS2	1*	WSN-M802N-A1VS2
WSS-M801N-B1VS2	2	WSN-M802N-B1VS2
WSS-M801P-A1VS2	3	WSN-M802P-A1VS2
WSS-M801P-B1VS2	4	WSN-M802P-B1VS2

WSS-M801N-A1VN2	1*	WSN-M802N-A1VN2
WSS-M801N-B1VN2	2	WSN-M802N-B1VN2
WSS-M801P-A1VN2	3	WSN-M802P-A1VN2
WSS-M801P-B1VN2	4	WSN-M802P-B1VN2

* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 and Page 014.

WELD FIELD IMMUNE INDUCTIVE PROXIMITY SENSOR (10-30VDC)

Diameter
● Shielded ○ non-Shielded
Switching Distance, Sn: mm
Housing Material
● With LED ○ Without LED

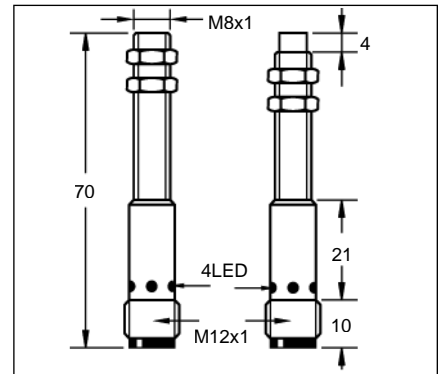
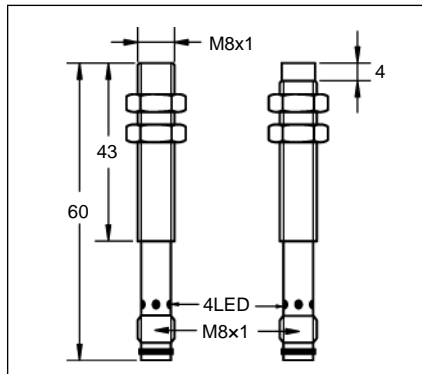
M8	
●	○
1 mm	2 mm
Stainless steel	
●	

M8	
●	○
1 mm	2 mm
Stainless steel	
●	

Picture



Dimensions (unit: mm)



Ripple	<10%
No Load Current	<10mA
Max. Load current	200mA
Leakage Current	<0.01mA
Voltage Drop	<1.5V
Switching Frequency	2KHz
Response Time	0.1ms/0.1ms
Switching Hysteresis	<15%(Sr)
Repeat Accuracy	<1.0%(Sr)
Protection Category	IP67
Operating Temperature	-25°C - +70°C
Temperature Drift	<10%(Sr)
Short Circuit Protection	Yes
Overload Trip Point	220mA
Material Active Face	PTFE

<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
PTFE

<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
PTFE

Connecting type
Weight

M8 connector
approx.18 g

M12 connector
approx.25 g

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 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 5-36 V NPN N.O.
DC 3 wire 5-36 V NPN N.C.
DC 3 wire 5-36 V PNP N.O.
DC 3 wire 5-36 V PNP N.C.

WSS-M801N-A1PN3	1*	WSN-M802N-A1PN3
WSS-M801N-B1PN3	2	WSN-M802N-B1PN3
WSS-M801P-A1PN3	3	WSN-M802P-A1PN3
WSS-M801P-B1PN3	4	WSN-M802P-B1PN3

WSS-M801N-A1EN4	1*	WSN-M802N-A1EN4
WSS-M801N-B1EN4	2	WSN-M802N-B1EN4
WSS-M801P-A1EN4	3	WSN-M802P-A1EN4
WSS-M801P-B1EN4	4	WSN-M802P-B1EN4

* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 and Page 014.