

# METALFACE INDUCTIVE PROXIMITY SENSOR (EXTENDED RANGE)

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

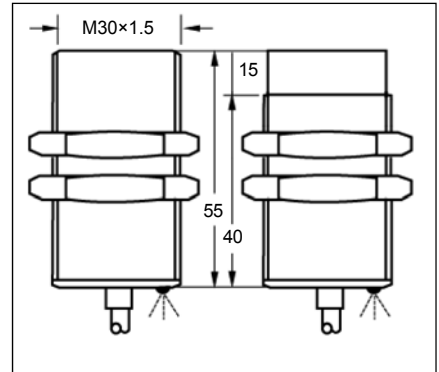
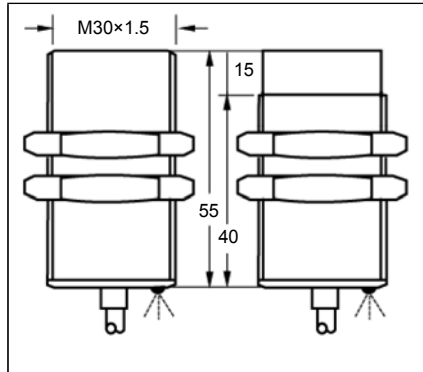
M30	
●	○
16 mm	25 mm
Stainless steel	
●	

M30	
●	○
16 mm	25 mm
Stainless steel	
●	

Picture
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Dimensions (unit: mm)
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Ripple	<10%
No Load Current	<10mA
Max. Load current	200mA
Leakage Current	<0.01mA
Voltage Drop	<2.0V
Switching Frequency	150Hz    100Hz
Response Time	1ms/1ms    1ms/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	Stainless steel

<10%
<10mA
200mA
<0.01mA
<2.0V
150Hz    100Hz
1ms/1ms    1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
Stainless steel

<10%
<10mA
200mA
<0.01mA
<2.0V
150Hz    100Hz
1ms/1ms    1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
Yes
220mA
Stainless steel

Connecting type
Weight

2M Cable (5.0 φ 3x0.34)
approx.185 g

M12 connector
approx.190 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.

IVS-M3016N-A1VN2	1*	IVN-M3025N-A1VN2
IVS-M3016N-B1VN2	2	IVN-M3025N-B1VN2
IVS-M3016P-A1VN2	3	IVN-M3025P-A1VN2
IVS-M3016P-B1VN2	4	IVN-M3025P-B1VN2

IVS-M3016N-A1EN4	1*	IVN-M3025N-A1EN4
IVS-M3016N-B1EN4	2	IVN-M3025N-B1EN4
IVS-M3016P-A1EN4	3	IVN-M3025P-A1EN4
IVS-M3016P-B1EN4	4	IVN-M3025P-B1EN4

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