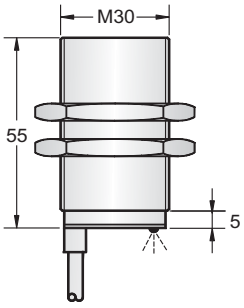
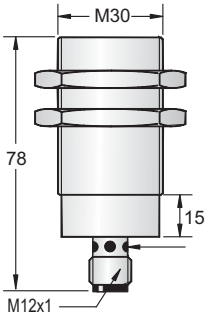
DC METAL FACE INDUCTIVE PROXIMITY SENSOR NON-FERROUS ONLY SENSING

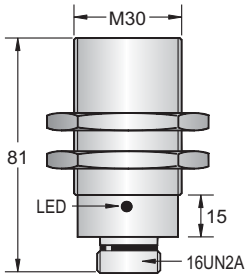
Diameter	M30	M30
● Shielded ○ Non-shielded	●	●
Switching Distance Sn: mm	10 mm	10 mm
Housing Material	Stainless steel	Stainless steel
● With LED ○ Without LED	●	●
Picture		
Operating Voltage	10-30VDC	10-30VDC
Ripple	<10%	<10%
No Load Current	<10mA	<10mA
Max. Load Current	200mA	200mA
Leakage Current	<0.01mA	<0.01mA
Voltage Drop	<1.5V	<1.5V
Switching Frequency	300HZ	300HZ
Response Time	0.5ms/0.5ms	0.5ms/0.5ms
Switching Hysteresis	<15%(Sr)	<15%(Sr)
Repeat Accuracy	<1.0%(Sr)	<1.0%(Sr)
Protection Category	IP67	IP67
Operating Temperature	-25°C– +70℃	-25°C– +70℃
Temperature Drift	<10%(Sr)	<10%(Sr)
Short Circuit Protection	YES	YES
Overload Trip Point	220mA	220mA
Material Active Face	Stainless steel	Stainless steel
DC 3 wire 10-30V NPN N.O.	**P1C1F3010NO3A2/N** 1	**P1C1F3010NOEA4/N** 31
DC 3 wire 10-30V NPN N.C.	**P1C1F3010NC3A2/N** 2	**P1C1F3010NCEA4/N** 32
DC 3 wire 10-30V PNP N.O.	**P1C1F3010PO3A2/N** 3	**P1C1F3010POEA4/N** 33
DC 3 wire 10-30V PNP N.C.	**P1C1F3010PC3A2/N** 4	**P1C1F3010PCEA4/N** 34
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)	5.8 ϕ3x0.5	
Weight	approx.247g / approx.237g	approx.147g / approx.137g

DC METAL FACE INDUCTIVE PROXIMITY SENSOR NON-FERROUS ONLY SENSING

M 30
●
10 mm
Stainless steel
●

10-30VDC
<10%
<10mA
200mA
<0.01mA
<1.5V
300HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C– +70℃
<10%(Sr)
YES
220mA
Stainless steel

P1C1F3010NOZA4/N	**43**
P1C1F3010NCZA4/N	**44**
P1C1F3010POZA4/N	**45**
P1C1F3010PCZA4/N	**46**



Approx.187g	approx.179g