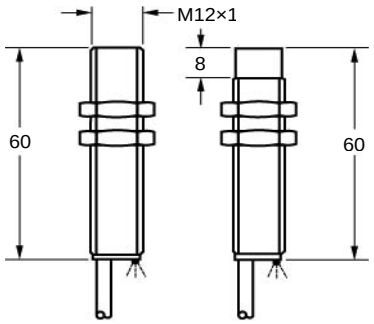
AC INDUCTIVE PROXIMITY SENSOR (20-250VAC)

Diameter	M12	

● Shielded ○ non-Shielded	●	○	
Switching Distance, Sn: mm	2 mm	4 mm	
Housing Material	PBT		
● With LED ○ Without LED	●		

Picture

Dimensions (unit: mm)



No Load Current	<1.8mA	
Max. Load current	400mA	
Leakage Current	<1.8mA	
Surge Current	5A(20ms)	
Min. Load Current	5mA	
Voltage Drop	<8VAC AT 400mA	
Switching Frequency	<25Hz	
Response Time	10ms/10ms	
Switching Hysteresis	<15%(Sr)	
Repeat Accuracy	<1.0%(Sr)	
Protection Category	IP67	
Operating Temperature	-25℃- +70℃	
Temperature Drift	<10%(Sr)	
Short Circuit Protection	NO	
Material Active Face	PBT	

Connecting type	2M Cable (4.0 ⌀ 2x0.34)	
Weight	approx.70 g	

AC 20-250V N.O.	IPS-M1202A-A7VN2	9*	IPN-M1204A-A7VN2			
AC 20-250V N.C.	IPS-M1202A-B7VN2	10	IPN-M1204A-B7VN2			
AC 20-250V N.O. or N.C. Changeable						

* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.

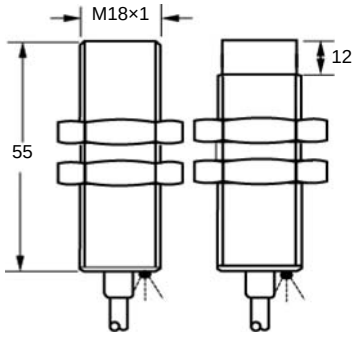
AC INDUCTIVE PROXIMITY SENSOR (20-250VAC)

Diameter	M18	

● Shielded ○ non-Shielded	●	○	
Switching Distance, Sn: mm	5 mm	8 mm	
Housing Material	PBT		
● With LED ○ Without LED	●		

Picture

Dimensions (unit: mm)



No Load Current	<1.8mA
Max. Load current	400mA
Leakage Current	<1.8mA
Surge Current	5A(20ms)
Min. Load Current	5mA
Voltage Drop	<8VAC AT 400mA
Switching Frequency	<25Hz
Response Time	10ms/10ms
Switching Hysteresis	<15%(Sr)
Repeat Accuracy	<1.0%(Sr)
Protection Category	IP67
Operating Temperature	-25℃- +70℃
Temperature Drift	<10%(Sr)
Short Circuit Protection	NO
Material Active Face	PBT

Connecting type	2M Cable (5.0 ⌀ 2x0.5)
Weight	approx.155 g

AC 20-250V N.O.	IPS-M1805A-A7VN2	9*	IPN-M1808A-A7VN2			
AC 20-250V N.C.	IPS-M1805A-B7VN2	10	IPN-M1808A-B7VN2			
AC 20-250V N.O. or N.C. Changeable						

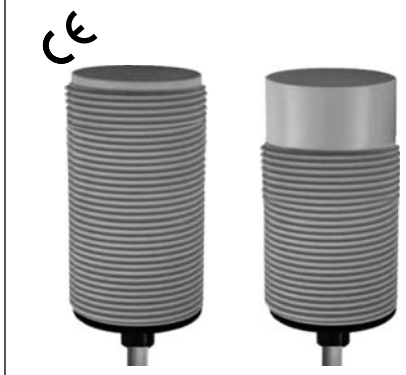
* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.

AC INDUCTIVE PROXIMITY SENSOR (20-250VAC)

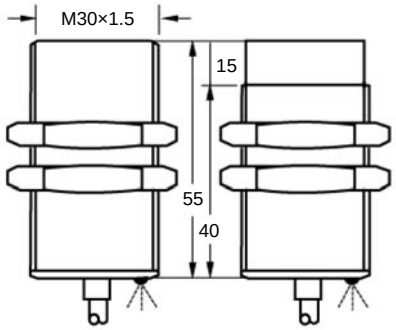
Diameter	M30	

● Shielded ○ non-Shielded	●	○	
Switching Distance, Sn: mm	10 mm	15 mm	
Housing Material	PBT		
● With LED ○ Without LED	●		

Picture



Dimensions (unit: mm)



No Load Current	<1.8mA	
Max. Load current	400mA	
Leakage Current	<1.8mA	
Surge Current	5A(20ms)	
Min. Load Current	5mA	
Voltage Drop	<8VAC AT 400mA	
Switching Frequency	<25Hz	
Response Time	10ms/10ms	
Switching Hysteresis	<15%(Sr)	
Repeat Accuracy	<1.0%(Sr)	
Protection Category	IP67	
Operating Temperature	-25℃- +70℃	
Temperature Drift	<10%(Sr)	
Short Circuit Protection	NO	
Material Active Face	PBT	

Connecting type	2M Cable (5.0 ⌀ 2x0.5)	
Weight	approx.210 g	

AC 20-250V N.O.	IPS-M3010A-A7VN2	9*	IPN-M3015A-A7VN2			
AC 20-250V N.C.	IPS-M3010A-B7VN2	10	IPN-M3015A-B7VN2			
AC 20-250V N.O. or N.C. Changeable						

* Wiring diagram number. Please see the relevant wiring diagram shown on Page 013 to Page 015.