

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSOR (20-250VAC)

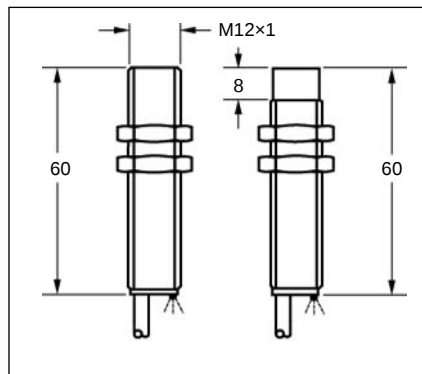
Diameter
☒ Shielded ☐ non-Shielded
Switching Distance, Sn: mm
Housing Material
☒ With LED ☐ Without LED

M12
☒ ☐
2 mm 4 mm
Nickel plated brass
☒

Picture



Dimensions (unit: mm)



No Load Current
Max. Load current
Leakage Current
Surge Current
Min. Load Current
Voltage Drop
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Material Active Face

<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 400mA
<25Hz
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +110°C
<10%(Sr)
NO
PBT

Connecting type
Weight

2M PUR Cable (4.0 ϕ 3x0.25)
approx.77 g

AC 20-250V N.O.
AC 20-250V N.C.
AC 20-250V N.O. or N.C. Changeable

IBS-M1202A-A7UN2/T	11	IBN-M1204A-A7UN2/T
IBS-M1202A-B7UN2/T	12	IBN-M1204A-B7UN2/T

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

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSOR (20-250VAC)

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

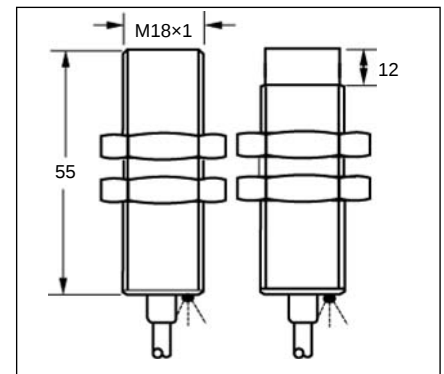
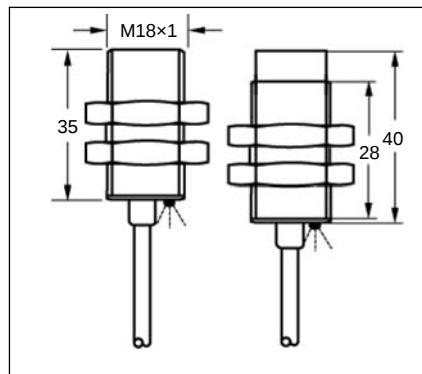
M18	
●	○
5 mm	8 mm
Nickel plated brass	
●	

M18	
●	○
5 mm	8 mm
Nickel plated brass	
●	

Picture



Dimensions (unit: mm)



No Load Current
Max. Load current
Leakage Current
Surge Current
Min. Load Current
Voltage Drop
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Material Active Face

<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 400mA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +110°C
<10%(Sr)
NO
PBT

<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 400mA
<25Hz
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +110°C
<10%(Sr)
NO
PBT

Connecting type
Weight

2M PUR Cable (5.0 ϕ 3x0.34)
approx.155 g

2M PUR Cable (5.0 ϕ 3x0.34)
approx.162 g

AC 20-250V N.O.
AC 20-250V N.C.
AC 20-250V N.O. or N.C. Changeable

IBS-M1805A-A7US2/T	11	IBN-M1808A-A7US2/T
IBS-M1805A-B7US2/T	12	IBN-M1808A-B7US2/T

IBS-M1805A-A7UN2/T	11	IBN-M1808A-A7UN2/T
IBS-M1805A-B7UN2/T	12	IBN-M1808A-B7UN2/T

HIGH TEMPERATURE INDUCTIVE PROXIMITY SENSOR (20-250VAC)

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

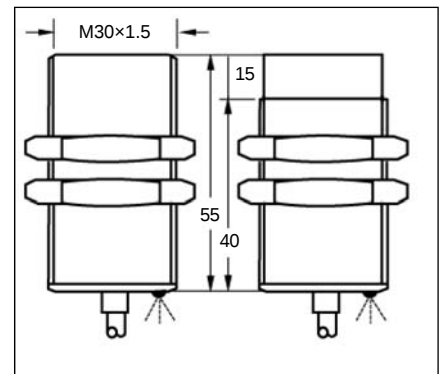
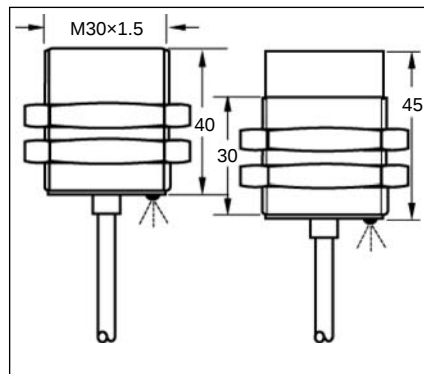
M30	
●	○
10 mm	15 mm
Nickel plated brass	
●	

M30	
●	○
10 mm	15 mm
Nickel plated brass	
●	

Picture



Dimensions (unit: mm)



No Load Current
Max. Load current
Leakage Current
Surge Current
Min. Load Current
Voltage Drop
Switching Frequency
Response Time
Switching Hysteresis
Repeat Accuracy
Protection Category
Operating Temperature
Temperature Drift
Short Circuit Protection
Material Active Face

<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 400mA
<25Hz
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +110°C
<10%(Sr)
NO
PBT

<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 400mA
<25Hz
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +110°C
<10%(Sr)
NO
PBT

Connecting type
Weight

2M PUR Cable (5.0 ϕ 3x0.34)
approx.210 g

2M PUR Cable (5.0 ϕ 3x0.34)
approx.250 g

AC 20-250V N.O.
AC 20-250V N.C.
AC 20-250V N.O. or N.C. Changeable

IBS-M3010A-A7US2/T	11	IBN-M3015A-A7US2/T
IBS-M3010A-B7US2/T	12	IBN-M3015A-B7US2/T

IBS-M3010A-A7UN2/T	11	IBN-M3015A-A7UN2/T
IBS-M3010A-B7UN2/T	12	IBN-M3015A-B7UN2/T

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