

PART W-01 ~ W-14

Diameter

● Shielded ○ non-Shielded

Switching Distance Sn mm

Housing Material

● With LED ○ Without LED

Dimensions (unit: mm)

Operating Voltage

Ripple

No Load Current

Max. Load Current

Leakge 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

Overload Trip Point

Time Delay Before Availability

EMC

Shock / Vibration

Material Active Face

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 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. or NAMUR

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 5-36V or AC 2 wire 20-250V N.O.

DC 5-36V or AC 2 wire 20-250V N.C.

DC 5-36V or AC 2 wire 20-250V N.O. or N.C. Changeable

DC 5-36V or AC/DC 2 wire 20-250V N.O.

DC 5-36V or AC/DC 2 wire 20-250V N.C.

DC 5-36V or AC/DC 2 wire 20-250V N.O. or N.C. Changeable

Remark

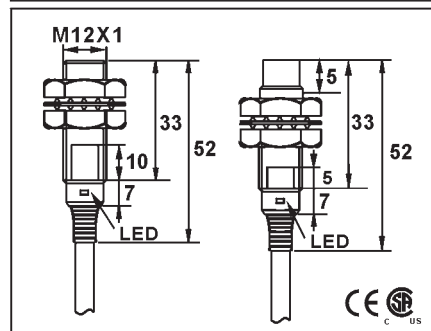
Cable 2M (PVC)

Weight

Please put each catalog page in the blank. The specification on the left will help your reading.

AC HIGH TORQUE, SHORTER BODY, LONG SENSING INDUCTIVE PROXIMITY SWITCH

M 12	
	
4 mm	8 mm
stainless steel or nickel plated brass	

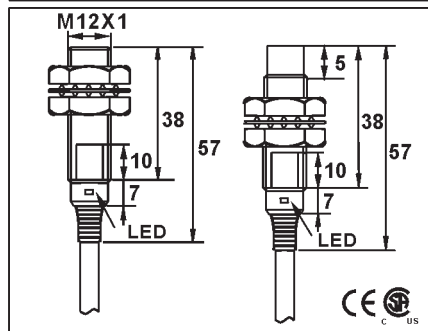


20-250VAC	
-	
<1.8mA	
400mA	
<1.8mA	
5A(20ms)	
5mA	
<8VAC AT 400mA	
<25HZ	
10ms/10ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
NO	
-	
-	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	PRT

[illegible]

4 ϕ 3x0.34	
approx.62 g	approx.60 g

M 12	
	
4 mm	8 mm
stainless steel or nickel plated brass	

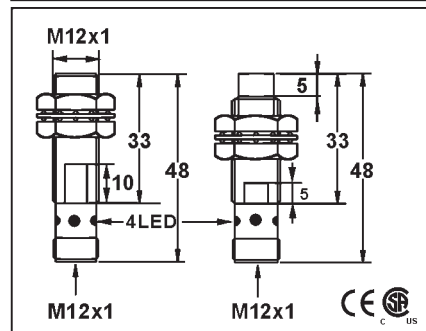


20-250VAC	
-	
<1.8mA	
400mA	
<1.8mA	
5A(20ms)	
5mA	
<8VAC AT 400mA	
<25HZ	
10ms/10ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
NO	
-	
-	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	PRT

[illegible]

5.0 ϕ 44x0.1	
approx.77 g	approx.76 g

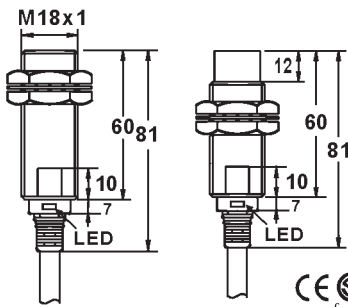
M 12	
	
4 mm	8 mm
stainless steel or nickel plated brass	
	



20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC at 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PRT

[illegible]

M18	
	
8 mm	16 mm
stainless steel or nickel plated brass	
	



20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

FCN1-1808A-A3L2	11	FCN2-1816A-A3L2
FCN1-1808A-B3L2	12	FCN2-1816A-B3L2
FCN1-1808A-C5L2	14	FCN2-1816A-C5L2



5.0Ø44x0.1	
approx.153 g	approx.144 g

AC HIGH TORQUE, SHORTER BODY, LONG SENSING INDUCTIVE PROXIMITY SWITCH

M 18	
	
8 mm	16 mm
stainless steel or nickel plated brass	
	

20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 200MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

[illegible]

M 18	
	
8 mm	16mm
stainless steel or nickel plated brass	
	

Technical drawings of the LED light fixture showing front and side views with dimensions:

- Front View (Left):** Shows a cylindrical body with a diameter of $M18 \times 1$. The total height is 81 mm. The mounting bracket height is 60 mm. The LED array is 10 mm high and 4 LED wide.
- Side View (Right):** Shows the side profile with a total height of 81 mm. The mounting bracket height is 60 mm. The LED array is 10 mm high. The mounting bracket has a width of 12 mm.
- Mounting:** Both views show the fixture is mounted on a $1\frac{1}{2}$ -20UNF thread.
- Certification:** The fixture is CE and RoHS compliant.

20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC AT 200MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 ° C - +70 ° C
<10%(Sr)
NO
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

[illegible]

approx.94 g	approx.91 g

M 30	
	
16 mm	25 mm
stainless steel or nickel plated brass	
	

Technical drawings of the LED module showing front and side views with dimensions:

- Front View (Left):** Shows a rectangular module with a width of $M30 \times 1$. The total height is 64 mm. The distance from the top of the module to the center of the LED is 43 mm. The LED is mounted on a base with a height of 7 mm. The distance from the base to the center of the LED is 10 mm.
- Side View (Right):** Shows the profile of the module. The total height is 64 mm. The distance from the top of the module to the center of the LED is 43 mm. The LED is mounted on a base with a height of 7 mm. The distance from the base to the center of the LED is 10 mm. The distance from the top of the module to the top of the LED is 15 mm.

CE C US

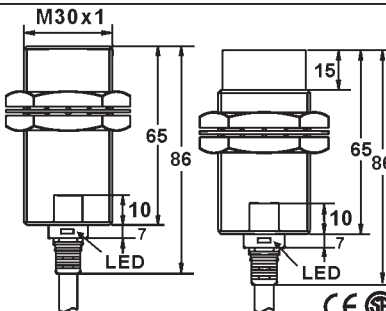
20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC at 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

[illegible]

$5.8\phi 3 \times 0.5 (6.8\phi 5 \times 0.5)$	
approx.207 g	approx.197 g

AC HIGH TORQUE, SHORTER BODY, LONG SENSING INDUCTIVE PROXIMITY SWITCH

M 30	
●	○
16 mm	25 mm
stainless steel or nickel plated brass	
●	



20-250VAC
-
<1.8mA
400mA
<1.8mA
5A(20ms)
5mA
<8VAC at 400MA
<25HZ
10ms/10ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
NO
-
-
RFI>3V/m / EFT>1KV / ESD>4KV(contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

[illegible][illegible]