

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

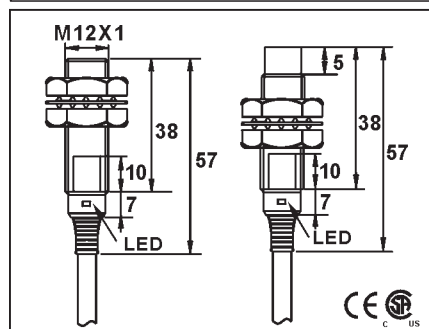
Cable 2M (PVC)

Weight

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

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

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

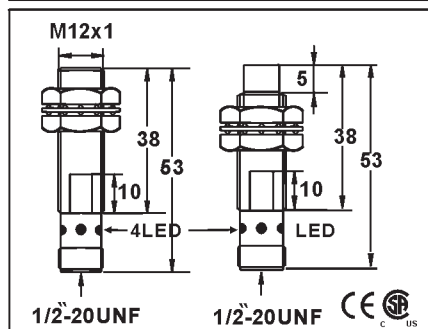


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
100mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC ; <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25 ° C - +70 ° C
<10% (Sr)
YES (for DC 20~30V)
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PRT

[illegible]

4 Ø 3x0.34	
approx.67 g	approx.65 g

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

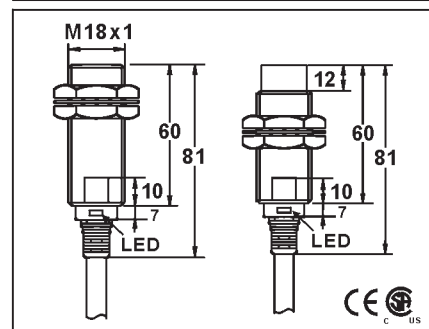


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
100mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES (for DC 20~30V)
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PRT

FCN1-1204U-AUU3	52	FCN2-1208U-AUU3
FCN1-1204U-BUU3	52	FCN2-1208U-BUU3

approx.31 g	approx.30 g

M18	
	
8 mm	16 mm
stainless steel or nickel plated brass	
	



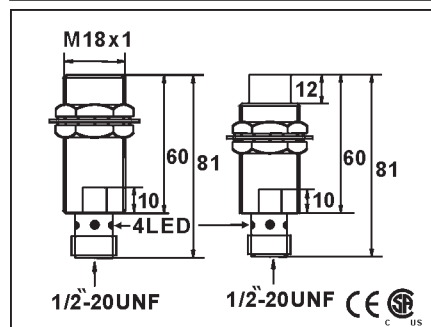
20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25 °C - +70 °C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

FCN1-1808U-A3U2	11	FCN2-1816U-A3U2
FCN1-1808U-B3U2	12	FCN2-1816U-B3U2

5.0 ϕ 44x0.1	
approx.153 g	approx.144 g

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

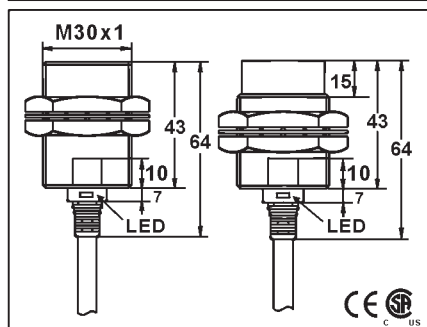
M 18	
	
8 mm	16mm
stainless steel or nickel plated brass	
	



20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC <=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
-
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

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

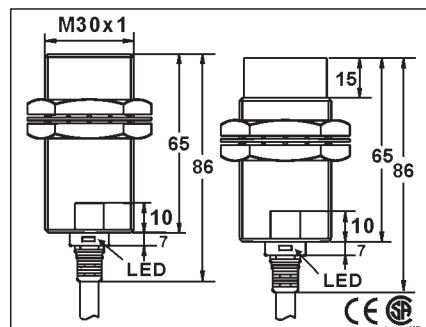


20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC :<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25°C - +70°C
<10% (Sr)
YES
-
-
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

[illegible]

5.8 ϕ 3x0.5(6.8 ϕ 5x0.5)	
approx.217 g	approx.207 g

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



20-250 VAC, 50-60 Hz; 20-250 VDC
DC RIPPLE <10%
<2.5mA
200mA
<2.5mA
2.2A for 20ms
5mA
<=10 VAC ;<=8 VDC
25HZ AC; 40 Hz DC
10ms/10ms
<15% (Sr)
<1.0% (Sr)
IP67
-25 °C - +70 °C
<10% (Sr)
YES
-
-
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

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5.8 ϕ 3x0.5(6.8 ϕ 5x0.5)	
approx.227 g	approx.217 g

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

M 30					
		16 mm			25 mm
stainless steel or nickel plated brass					
↑ 1/2"-20UNF ↑ 1/2"-20UNF					
20-250 VAC, 50-60 Hz; 20-250 VDC					
DC RIPLE <10%					
<2.5mA					
200mA					
<2.5mA					
2.2A for 20ms					
5mA					
<=10 VAC :<=8 VDC					
25HZ AC; 40 Hz DC					
10ms/10ms					
<15% (Sr)					
<1.0% (Sr)					
IP67					
-25 °C - +70 °C					
<10% (Sr)					
YES					
-					
-					
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					
FCN1-3016U-AUS3		52	FCN2-3025U-AUS3		
FCN1-3016U-BUS3		52	FCN2-3025U-BUS3		
approx.111 g			approx.121 g		

[illegible][illegible]