

PART A-01 ~ A-37

Diameter
● Shielded ○ non-Shielded
Switching Distance S _n 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 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.)
Remark
Cable 2M (PVC)
Weight

DC ULTRA-MINI TYPE INDUCTIVE PROXIMITY SWITCH

[illegible]

DC ULTRA-MINI TYPE INDUCTIVE PROXIMITY SWITCH

M4		
stainless steel		
10-30VDC or 5-36VDC		
<10%		
<10mA		
200mA		
<0.01mA		
-		
-		
<1.5V		
2KHZ		
0.1ms/0.1ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25°C - +70°C		
<10%(Sr)		
YES		
220mA		
<10ms		
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		
FCU1-040.8N-A3U2	1	LCU1-0401N-A3U2
FCU1-040.8N-B3U2	2	LCU1-0401N-B3U2
FCU1-040.8P-A3U2	3	LCU1-0401P-A3U2
FCU1-040.8P-B3U2	4	LCU1-0401P-B3U2
ICU1-040.8N-A3U2	1	ICU1-0401N-A3U2
ICU1-040.8N-B3U2	2	ICU1-0401N-B3U2
ICU1-040.8P-A3U2	3	ICU1-0401P-A3U2
ICU1-040.8P-B3U2	4	ICU1-0401P-B3U2

NAMUR type specifications see page 23

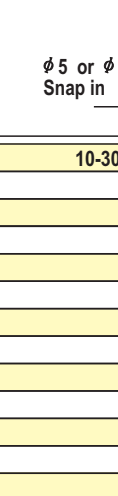
2.3 ϕ 3x0.15

Approx.22 g

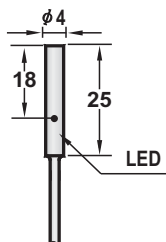
M4			
0.8 mm			
stainless steel			
M4x0.5 25 18 19 LED M5x0.5 or M8x1			
CE CS US			
10-30VDC or 5-36VDC			
<10%			
<10mA			
200mA			
<0.01mA			
-			
-			
<1.5V			
2KHZ			
0.1ms/0.1ms			
<15%(Sr)			
<1.0%(Sr)			
IP67			
-25 °C - +70 °C			
<10%(Sr)			
YES			
220mA			
<10ms			
RFI>3V/m / EFT>1KV / ESD>4KV (contact)			
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2			
POM			
FCU1-040.8N-A3U0.2/P5	25	FCU1-040.8N-A3U0.2/P8	29
FCU1-040.8N-B3U0.2/P5	26	FCU1-040.8N-B3U0.2/P8	30
FCU1-040.8P-A3U0.2/P5	27	FCU1-040.8P-A3U0.2/P8	31
FCU1-040.8P-B3U0.2/P5	28	FCU1-040.8P-B3U0.2/P8	32
ICU1-040.8N-A3U0.2/P5	25	ICU1-040.8N-A3U0.2/P8	29
ICU1-040.8N-B3U0.2/P5	26	ICU1-040.8N-B3U0.2/P8	30
ICU1-040.8P-A3U0.2/P5	27	ICU1-040.8P-A3U0.2/P8	31
ICU1-040.8P-B3U0.2/P5	28	ICU1-040.8P-B3U0.2/P8	32

FCU***/P5	
M5 Pigtail mode	
FCU***/P8	
M8 Pigtail mode	

2.3 ϕ 3x0.15	
Approx.30 g	Approx.31 g

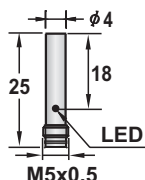
M4			
●			
0.8 mm			
stainless steel			
●			
			
10-30VDC or 5-36VDC			
<10%			
<10mA			
200mA			
<0.01mA			
-			
-			
<1.5V			
2KHZ			
0.1ms/0.1ms			
<15%(Sr)			
<1.0%(Sr)			
IP67			
-25°C - +70°C			
<10%(Sr)			
YES			
220mA			
<10ms			
RFI>3V/m / EFT>1KV / ESD>4KV (contact)			
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2			
POM			
FCU1-040.8N-A3U0.2/SN5	25	FCU1-040.8N-A3U0.2/SN8	29
FCU1-040.8N-B3U0.2/SN5	26	FCU1-040.8N-B3U0.2/SN8	30
FCU1-040.8P-A3U0.2/SN5	27	FCU1-040.8P-A3U0.2/SN8	31
FCU1-040.8P-B3U0.2/SN5	28	FCU1-040.8P-B3U0.2/SN8	32
ICU1-040.8N-A3U0.2/SN5	25	ICU1-040.8N-A3U0.2/SN8	29
ICU1-040.8N-B3U0.2/SN5	26	ICU1-040.8N-B3U0.2/SN8	30
ICU1-040.8P-A3U0.2/SN5	27	ICU1-040.8P-A3U0.2/SN8	31
ICU1-040.8P-B3U0.2/SN5	28	ICU1-040.8P-B3U0.2/SN8	32
FCU***/SN5			
└─ φ 5 Pigtail mode			
FCU***/SN8			
└─ φ 8 Pigtail mode			
2.3 φ 3x0.15			
Approx.30 g		Approx.31 g	

Technical drawing of a cross-section of a stainless steel pipe. The drawing shows a central vertical line representing the pipe's axis. Above the axis, the diameter is labeled as $\phi 4$. Below the axis, the material is labeled as stainless steel. The drawing is divided into two horizontal sections by a vertical line. The left section is labeled 0.8 mm and the right section is labeled 1.0 mm.

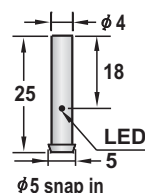


FCU1-D040.8N-A3U2	1	FCU1-D0401N-A3U2
FCU1-D040.8N-B3U2	2	FCU1-D0401N-B3U2
FCU1-D040.8P-A3U2	3	FCU1-D0401P-A3U2
FCU1-D040.8P-B3U2	4	FCU1-D0401P-B3U2
ICU1-D040.8N-A3U2	1	ICU1-D0401N-A3U2
ICU1-D040.8N-B3U2	2	ICU1-D0401N-B3U2
ICU1-D040.8P-A3U2	3	ICU1-D0401P-A3U2
ICU1-D040.8P-B3U2	4	ICU1-D0401P-B3U2

ø4	
●	
0.8 mm	1.0 mm
stainless steel	
●	

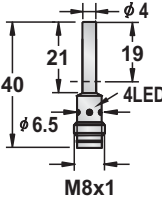
[illegible]

ø4	
	
0.8 mm	1.0 mm
stainless steel	
	

[illegible]

Approx. 18 g

DC ULTRA-MINI TYPE INDUCTIVE PROXIMITY SWITCH

$\phi 4$		
		
0.8 mm		1.0 mm
stainless steel		
		
		
 		
10-30VDC		
<10%		
<10mA		
200mA		
<0.01mA		
-		
-		
<1.5V		
2KHZ		
0.1ms/0.1ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25°C - +70°C		
<10%(Sr)		
YES		
220mA		
<10ms		
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		
FCU1-D040.8N-ACU3	29	FCU1-D0401N-ACU3
FCU1-D040.8N-BCU3	29	FCU1-D0401N-BCU3
FCU1-D040.8P-ACU3	30	FCU1-D0401P-ACU3
FCU1-D040.8P-BCU3	30	FCU1-D0401P-BCU3
Connecting cable: M8 female pico-style,screw locking,with moulded cable.		
approx.14 g		

[illegible]

M 5		
0.8 mm		1.0 mm
stainless steel		
6-12VDC		
<10%		
>2.2mA(OFF)		
-		
-		
-		
-		
-		
0.5KHZ		
0.2ms/0.2ms		
<15%(Sr)		
-		
IP67		
-25 °C - +70 °C		
<1%(Sr)		
-		
-		
<10ms		
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		
FCU1-050.8NU	21	FCU1-0501NU
Note: All cable type have pigtail connect mode, *CU***/p pigtail mode		
2.7φ 3x0.15		
approx.25 g		

ø 5	
●	
1.0 mm	1.5 mm
stainless steel	
●	

[illegible]

M5	
●	
0.8 mm	1.0 mm
stainless steel	
●	



FCU1-050.8N-A3S2	1	FCU1-0501N-A3S2
FCU1-050.8N-B3S2	2	FCU1-0501N-B3S2
FCU1-050.8P-A3S2	3	FCU1-0501P-A3S2
FCU1-050.8P-B3S2	4	FCU1-0501P-B3S2
ICU1-050.8N-A3S2	1	ICU1-0501N-A3S2
ICU1-050.8N-B3S2	2	ICU1-0501N-B3S2
ICU1-050.8P-A3S2	3	ICU1-0501P-A3S2
ICU1-050.8P-B3S2	4	ICU1-0501P-B3S2

M5	
●	
0.8 mm	1.0 mm
stainless steel	
●	

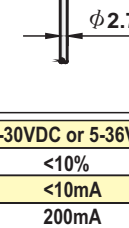


FCU1-050.8N-A3U2	1	FCU1-0501N-A3U2
FCU1-050.8N-B3U2	2	FCU1-0501N-B3U2
FCU1-050.8P-A3U2	3	FCU1-0501P-A3U2
FCU1-050.8P-B3U2	4	FCU1-0501P-B3U2
ICU1-050.8N-A3U2	1	ICU1-0501N-A3U2
ICU1-050.8N-B3U2	2	ICU1-0501N-B3U2
ICU1-050.8P-A3U2	3	ICU1-0501P-A3U2
ICU1-050.8P-B3U2	4	ICU1-0501P-B3U2

A-05

DC ULTRA-MINI TYPE INDUCTIVE PROXIMITY SWITCH

M5		
0.8 mm		1.0 mm
stainless steel		
10-30VDC or 5-36VDC		
<10%		
<10mA		
100mA		
<0.01mA		
-		
-		
<1.5V(10~30V)		
2KHZ		
0.1ms/0.1ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25°C - +70°C		
<10%(Sr)		
NO		
-		
<10ms		
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		
FCU1-050.8N-A3L2	1	FCU1-0501N-A3L2
FCU1-050.8N-B3L2	2	FCU1-0501N-B3L2
FCU1-050.8P-A3L2	3	FCU1-0501P-A3L2
FCU1-050.8P-B3L2	4	FCU1-0501P-B3L2
ICU1-050.8N-A3L2	1	ICU1-0501N-A3L2
ICU1-050.8N-B3L2	2	ICU1-0501N-B3L2
ICU1-050.8P-A3L2	3	ICU1-0501P-A3L2
ICU1-050.8P-B3L2	4	ICU1-0501P-B3L2
2.7φ 3x0.15		
approx.25 g		

$\phi 5$		
		
1.0 mm		1.5 mm
stainless steel		
		
		
 		
10-30VDC or 5-36VDC		
<10%		
<10mA		
200mA		
<0.01mA		
-		
-		
<1.5V(10~30V)		
2KHZ		
0.1ms/0.1ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25°C - +70°C		
<10%(Sr)		
YES		
220mA		
<10ms		
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		
FCU1-D0501N-A3U2	1	FCU1-D051.5N-A3U2
FCU1-D0501N-B3U2	2	FCU1-D051.5N-B3U2
FCU1-D0501P-A3U2	3	FCU1-D051.5P-A3U2
FCU1-D0501P-B3U2	4	FCU1-D051.5P-B3U2
ICU1-D0501N-A3U2	1	ICU1-D051.5N-A3U2
ICU1-D0501N-B3U2	2	ICU1-D051.5N-B3U2
ICU1-D0501P-A3U2	3	ICU1-D051.5P-A3U2
ICU1-D0501P-B3U2	4	ICU1-D051.5P-B3U2
2.7 ϕ 3x0.15		
approx.25 g		

[illegible]

M5

Technical drawing of the LED module showing dimensions: M5X0.5 thread, 18mm LED height, 38mm total height, and 5mm base diameter.



POM

28

Approx.13 g

stainless steel



POM

FCU

Approx.14 g

stainless steel

Technical drawing of the LED light fixture showing dimensions and components:

- Total height: 38
- Top section height: 20.5
- Threaded section height: 19
- Thread specification: M5x0.5
- LED component
- Base diameter: $\phi 6.5$
- Base label: $\phi 8$ snap in

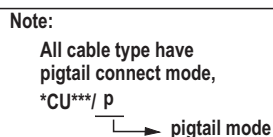


POM

0	F
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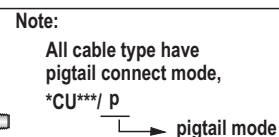
Approx.14 g

$\phi 6.5$		
●		
1.0 mm	2.0 mm	3.0 mm
stainless steel		
●		

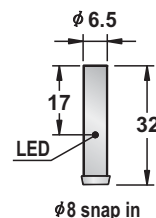
[illegible]

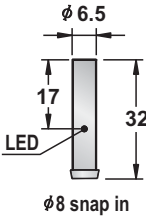
3 ϕ 3x0.15
approx.25 g

φ 6.5		
●		
1.0 mm	2.0 mm	3.0 mm
stainless steel		
●		

[illegible]

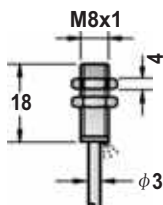
3 ϕ 3x0.15
approx.25 g

[illegible]

Ø 6.5				
				
1.0 mm	2.0 mm		3.0 mm	
stainless steel				
				
 Ø 6.5 17 32 LED Ø8 snap in				
 				
10-30VDC				
<10%				
<10mA				
200mA				
<0.01mA				
-				
-				
<1.5V				
2KHZ				
0.1ms/0.1ms				
<15%(Sr)				
<1.0%(Sr)				
IP67				
-25°C - +70°C				
<10%(Sr)				
YES				
220mA				
<10ms				
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				
Connecting cable: female pico-style,snap-in device,with moulded cable.				
Approx.15 g				

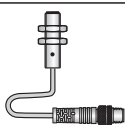
DC ULTRA-MINI TYPE INDUCTIVE PROXIMITY SWITCH

M 8		
●		
1.0 mm	2.0 mm	3.0 mm
stainless steel		
●		



10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
<10ms
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

FCU1-0801N-A3R2	1	ECU1-0802N-A3R2	1	LCU1-0803N-A3R2
FCU1-0801N-B3R2	2	ECU1-0802N-B3R2	2	LCU1-0803N-B3R2
FCU1-0801P-A3R2	3	ECU1-0802P-A3R2	3	LCU1-0803P-A3R2
FCU1-0801P-B3R2	4	ECU1-0802P-B3R2	4	LCU1-0803P-B3R2



Note:

All cable type have
pigtail connect mode,

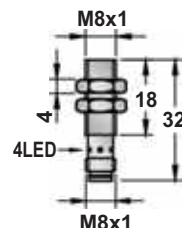
*CU***/p

— pigtail mode

3 φ 3x0.15

approx.25 g

M 8		
●		
1.0 mm	2.0 mm	3.0 mm
stainless steel		
●		



10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
<10ms
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

FCU1-0801N-ACR3	1	ECU1-0802N-ACR3	1	LCU1-0803N-ACR3
FCU1-0801N-BCR3	2	ECU1-0802N-BCR3	2	LCU1-0803N-BCR3
FCU1-0801P-ACR3	3	ECU1-0802P-ACR3	3	LCU1-0803P-ACR3
FCU1-0801P-BCR3	4	ECU1-0802P-BCR3	4	LCU1-0803P-BCR3

Connecting cable:

M8 female pico-style, screw locking, with moulded cable.

Approx.17 g

M 8		
●		
1.0 mm	2.0 mm	3.0 mm
stainless steel		
●		

[illegible]

Ø 8		
●		
1.0 mm	2.0 mm	3.0 mm
stainless steel		
●		

[illegible]

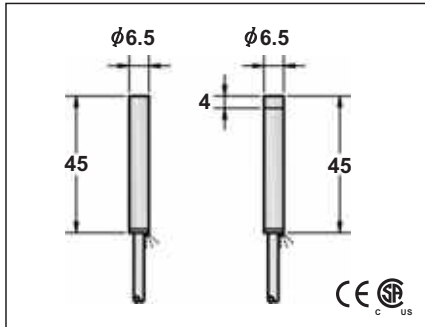
3 ϕ 3x0.15
approx.25 g

[illegible]

A-12

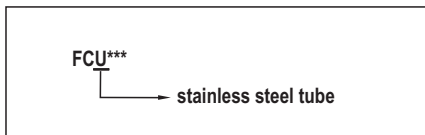
DC INDUCTIVE PROXIMITY SWITCH

ø 6.5	
●	○
1mm , 1.5mm	2mm , 2.5mm
stainless steel	
●	



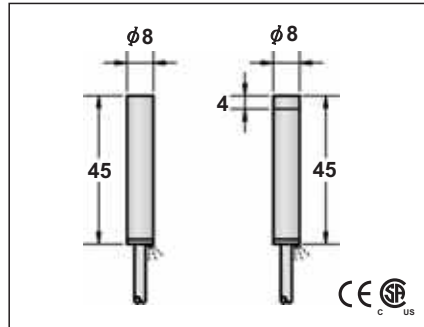
10-30VDC	or	5-36VDC
<10%		
<10mA		
200mA		
<0.01mA		
-		
-		
<1.5V(10-30V)	or	<1.0V(5-36V)
2KHZ		
0.1ms/0.1ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25 °C - +70 °C		
<10%(Sr)		
YES		
220mA		
<10ms		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		
POM		

FCU1-D0601N-A3U2	1	FCU2-D0602N-A3U2
FCU1-D0601N-B3U2	2	FCU2-D0602N-B3U2
FCU1-D0601P-A3U2	3	FCU2-D0602P-A3U2
FCU1-D0601P-B3U2	4	FCU2-D0602P-B3U2
FCU1-D0601N-S4U2	6	FCU2-D0602N-S4U2
FCU1-D0601P-S4U2	5	FCU2-D0602P-S4U2
FCU1-D0601C-A2U2	7	FCU2-D0602C-A2U2
FCU1-D0601C-B2U2	8	FCU2-D0602C-B2U2
ICU1-D061.5N-A3U2	1	ICU2-D062.5N-A3U2
ICU1-D061.5N-B3U2	2	ICU2-D062.5N-B3U2
ICU1-D061.5P-A3U2	3	ICU2-D062.5P-A3U2
ICU1-D061.5P-B3U2	4	ICU2-D062.5P-B3U2
ICU1-D061.5N-S4U2	6	ICU2-D062.5N-S4U2
ICU1-D061.5P-S4U2	5	ICU2-D062.5P-S4U2



3 ϕ 3x0.15
Approx.36 g

ø 8	
	
1mm, 1.5mm	2mm, 2.5mm
stainless steel	
	



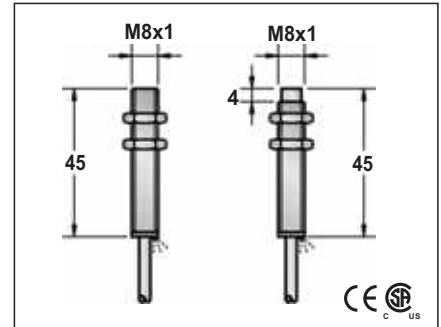
10-30VDC	or	5-36VDC
<10%		
<10mA		
200mA		
<0.01mA		
-		
-		
<1.5V(10-30V)	or	<1.0V(5-36V)
2KHZ		
0.1ms/0.1ms		
<15%(Sr)		
<1.0%(Sr)		
IP67		
-25 °C - +70 °C		
<10%(Sr)		
YES		
220mA		
<10ms		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		
POM		

FCU1-D0801N-A3U2	1	FCU2-D0802N-A3U2
FCU1-D0801N-B3U2	2	FCU2-D0802N-B3U2
FCU1-D0801P-A3U2	3	FCU2-D0802P-A3U2
FCU1-D0801P-B3U2	4	FCU2-D0802P-B3U2
FCU1-D0801P-S4U2	6	FCU2-D0802P-S4U2
FCU1-D0801N-S4U2	5	FCU2-D0802N-S4U2
FCU1-D0801C-A2U2	7	FCU2-D0802C-A2U2
FCU1-D0801C-B2U2	8	FCU2-D0802C-B2U2
ICU1-D081.5N-A3U2	1	ICU2-D082.5N-A3U2
ICU1-D081.5N-B3U2	2	ICU2-D082.5N-B3U2
ICU1-D081.5P-A3U2	3	ICU2-D082.5P-A3U2
ICU1-D081.5P-B3U2	4	ICU2-D082.5P-B3U2
ICU1-D081.5P-S4U2	6	ICU2-D082.5P-S4U2
ICU1-D081.5N-S4U2	5	ICU2-D082.5N-S4U2

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

3 ϕ 3x0.15	
Approx.38 g	Approx.36 g

M 8	
	
1mm , 1.5mm	2mm , 2.5mm
stainless steel	
	



10-30VDC or 5-36VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V(10-30V) or <1.0V(5-36V)
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
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

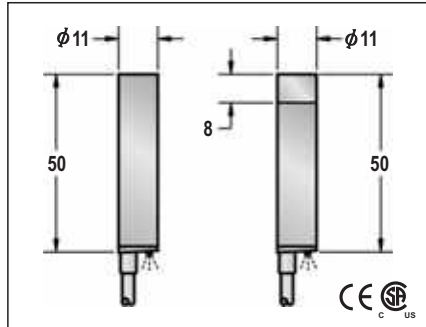
FCU1-0801N-A3U2	1	FCU2-0802N-A3U2
FCU1-0801N-B3U2	2	FCU2-0802N-B3U2
FCU1-0801P-A3U2	3	FCU2-0802P-A3U2
FCU1-0801P-B3U2	4	FCU2-0802P-B3U2
FCU1-0801P-S4U2	6	FCU2-0802P-S4U2
FCU1-0801N-S4U2	5	FCU2-0802N-S4U2
FCU1-0801C-A2U2	7	FCU2-0802C-A2U2
FCU1-0801C-B2U2	8	FCU2-0802C-B2U2
ICU1-081.5N-A3U2	1	ICU2-082.5N-A3U2
ICU1-081.5N-B3U2	2	ICU2-082.5N-B3U2
ICU1-081.5P-A3U2	3	ICU2-082.5P-A3U2
ICU1-081.5P-B3U2	4	ICU2-082.5P-B3U2
ICU1-081.5P-S4U2	6	ICU2-082.5P-S4U2
ICU1-081.5N-S4U2	5	ICU2-082.5N-S4U2

1. 5-36v: ICU*.***** type switching
distance Sn=1.5mm (shielded),
Sn=2.5mm (non-shielded).

3 ϕ 3x0.15
Approx.40 g

DC INDUCTIVE PROXIMITY SWITCH

φ 11	
●	○
2 mm	4 mm
stainless steel or nickel plated brass	
●	



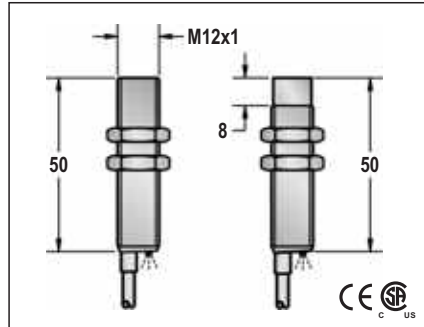
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
POM	

FCM1-D1102N-A3U2	1	FCM2-D1104N-A3U2
FCM1-D1102N-B3U2	2	FCM2-D1104N-B3U2
FCM1-D1102P-A3U2	3	FCM2-D1104P-A3U2
FCM1-D1102P-B3U2	4	FCM2-D1104P-B3U2
FCM1-D1102P-S4U2	6	FCM2-D1104P-S4U2
FCM1-D1102N-S4U2	2	FCM2-D1104N-S4U2
FCM1-D1102C-A2U2	7	FCM2-D1104C-A2U2
FCM1-D1102C-B2U2	8	FCM2-D1104C-B2U2
HCM1-D1102N-A3U2	1	HCM2-D1104N-A3U2
HCM1-D1102N-B3U2	2	HCM2-D1104N-B3U2
HCM1-D1102P-A3U2	3	HCM2-D1104P-A3U2
HCM1-D1102P-B3U2	4	HCM2-D1104P-B3U2
ICM1-D1102N-A3U2	1	ICM2-D1104N-A3U2
ICM1-D1102N-B3U2	2	ICM2-D1104N-B3U2
ICM1-D1102P-A3U2	3	ICM2-D1104P-A3U2
ICM1-D1102P-B3U2	4	ICM2-D1104P-B3U2
ICM1-D1102P-S4U2	6	ICM2-D1104P-S4U2
ICM1-D1102N-S4U2	2	ICM2-D1104N-S4U2

Voltage Drop: <1.5V (for Operating Volt. 10-30V)
<1V (for Operating Volt. 5-36V)
<2V (for Operating Volt. 10-55V)
This applies to all models in the category of
DC INDUCTIVE PROXIMITY SWITCH.

4 φ 3x0.15
Approx.55 g

M 12	
●	○
2 mm	4 mm
stainless steel or nickel plated brass	
●	



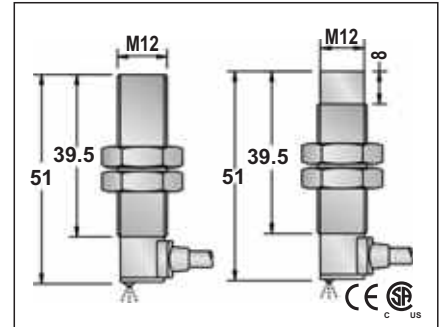
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
POM	PBT

FCM1-1202N-A3U2	1	FCM2-1204N-A3U2
FCM1-1202N-B3U2	2	FCM2-1204N-B3U2
FCM1-1202P-A3U2	3	FCM2-1204P-A3U2
FCM1-1202P-B3U2	4	FCM2-1204P-B3U2
FCM1-1202P-S4U2	6	FCM2-1204P-S4U2
FCM1-1202N-S4U2	5	FCM2-1204N-S4U2
FCM1-1202C-A2U2	7	FCM2-1204C-A2U2
FCM1-1202C-B2U2	8	FCM2-1204C-B2U2
HCM1-1202N-A3U2	1	HCM2-1204N-A3U2
HCM1-1202N-B3U2	2	HCM2-1204N-B3U2
HCM1-1202P-A3U2	3	HCM2-1204P-A3U2
HCM1-1202P-B3U2	4	HCM2-1204P-B3U2
ICM1-1202N-A3U2	1	ICM2-1204N-A3U2
ICM1-1202N-B3U2	2	ICM2-1204N-B3U2
ICM1-1202P-A3U2	3	ICM2-1204P-A3U2
ICM1-1202P-B3U2	4	ICM2-1204P-B3U2
ICM1-1202P-S4U2	6	ICM2-1204P-S4U2
ICM1-1202N-S4U2	5	ICM2-1204N-S4U2

Please see Page 18 for details and
specifications of DC 2-Wire models
on this page.

4 ϕ 3x0.15	
Approx.67 g	Approx.65 g

M 12	
●	○
2 mm	4 mm
stainless steel or nickel plated brass	
●	



10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
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	PBT

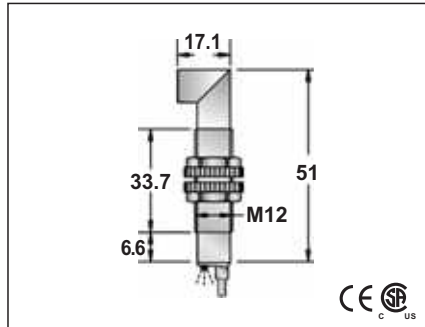
FCM1-1202N-A3U2Y	1	FCM2-1204N-A3U2Y
FCM1-1202N-B3U2Y	2	FCM2-1204N-B3U2Y
FCM1-1202P-A3U2Y	3	FCM2-1204P-A3U2Y
FCM1-1202P-B3U2Y	4	FCM2-1204P-B3U2Y
FCM1-1202P-S4U2Y	6	FCM2-1204P-S4U2Y
FCM1-1202N-S4U2Y	5	FCM2-1204N-S4U2Y
FCM1-1202C-A2U2Y	7	FCM2-1204C-A2U2Y
FCM1-1202C-B2U2Y	8	FCM2-1204C-B2U2Y
HCM1-1202N-A3U2Y	1	HCM2-1204N-A3U2Y
HCM1-1202N-B3U2Y	2	HCM2-1204N-B3U2Y
HCM1-1202P-A3U2Y	3	HCM2-1204P-A3U2Y
HCM1-1202P-B3U2Y	4	HCM2-1204P-B3U2Y
ICM1-1202N-A3U2Y	1	ICM2-1204N-A3U2Y
ICM1-1202N-B3U2Y	2	ICM2-1204N-B3U2Y
ICM1-1202P-A3U2Y	3	ICM2-1204P-A3U2Y
ICM1-1202P-B3U2Y	4	ICM2-1204P-B3U2Y
ICM1-1202P-S4U2Y	6	ICM2-1204P-S4U2Y
ICM1-1202N-S4U2Y	5	ICM2-1204N-S4U2Y

Hxxx-xxxx-xxxx.
→ DC 10-55V type no load current
< 20mA. Following page is same.

4 ϕ 3x0.15	
Approx.67 g	Approx.65 g

DC INDUCTIVE PROXIMITY SWITCH

M 12	
●	○
2 mm	4 mm
stainless steel or nickel plated brass	
●	



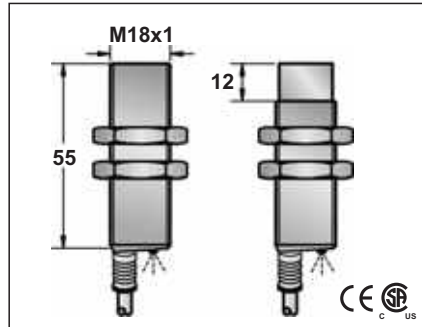
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
POM	

FCM1-1202N-A3U2Z	1	FCM2-1204N-A3U2Z
FCM1-1202N-B3U2Z	2	FCM2-1204N-B3U2Z
FCM1-1202P-A3U2Z	3	FCM2-1204P-A3U2Z
FCM1-1202P-B3U2Z	4	FCM2-1204P-B3U2Z
FCM1-1202P-S4U2Z	6	FCM2-1204P-S4U2Z
FCM1-1202N-S4U2Z	5	FCM2-1204N-S4U2Z
FCM1-1202C-A2U2Z	7	FCM2-1204C-A2U2Z
FCM1-1202C-B2U2Z	8	FCM2-1204C-B2U2Z
HCM1-1202N-A3U2Z	1	HCM2-1204N-A3U2Z
HCM1-1202N-B3U2Z	2	HCM2-1204N-B3U2Z
HCM1-1202P-A3U2Z	3	HCM2-1204P-A3U2Z
HCM1-1202P-B3U2Z	4	HCM2-1204P-B3U2Z
ICM1-1202N-A3U2Z	1	ICM2-1204N-A3U2Z
ICM1-1202N-B3U2Z	2	ICM2-1204N-B3U2Z
ICM1-1202P-A3U2Z	3	ICM2-1204P-A3U2Z
ICM1-1202P-B3U2Z	4	ICM2-1204P-B3U2Z
ICM1-1202P-S4U2Z	6	ICM2-1204P-S4U2Z
ICM1-1202N-S4U2Z	5	ICM2-1204N-S4U2Z

Voltage Drop: <1.5V (for Operating Volt. 10-30V)
 <1V (for Operating Volt. 5-36V)
 <2V (for Operating Volt. 10-55V)
 This applies to all models in the category of
 DC INDUCTIVE PROXIMITY SWITCH.

4 φ 3x0.15	
Approx.153 g	Approx.144 g

M18	
●	○
5 mm	8 mm
stainless steel or nickel plated brass	
●	



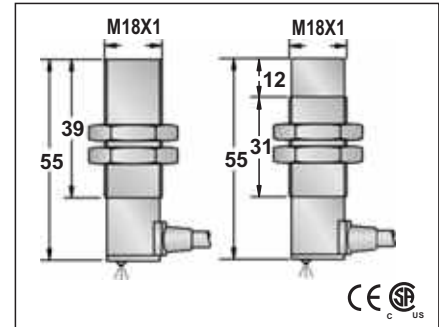
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCM1-1805N-A3U2	1	FCM2-1808N-A3U2
FCM1-1805N-B3U2	2	FCM2-1808N-B3U2
FCM1-1805P-A3U2	3	FCM2-1808P-A3U2
FCM1-1805P-B3U2	4	FCM2-1808P-B3U2
FCM1-1805P-S4U2	6	FCM2-1808P-S4U2
FCM1-1805N-S4U2	5	FCM2-1808N-S4U2
FCM1-1805C-A2U2	7	FCM2-1808C-A2U2
FCM1-1805C-B2U2	8	FCM2-1808C-B2U2
HCM1-1805N-A3U2	1	HCM2-1808N-A3U2
HCM1-1805N-B3U2	2	HCM2-1808N-B3U2
HCM1-1805P-A3U2	3	HCM2-1808P-A3U2
HCM1-1805P-B3U2	4	HCM2-1808P-B3U2
ICM1-1805N-A3U2	1	ICM2-1808N-A3U2
ICM1-1805N-B3U2	2	ICM2-1808N-B3U2
ICM1-1805P-A3U2	3	ICM2-1808P-A3U2
ICM1-1805P-B3U2	4	ICM2-1808P-B3U2
ICM1-1805P-S4U2	6	ICM2-1808P-S4U2
ICM1-1805N-S4U2	5	ICM2-1808N-S4U2

Please see Page 18 for details and
 specifications of DC 2-Wire models
 on this page.

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

M 18	
●	○
5 mm	8 mm
stainless steel or nickel plated brass	
●	



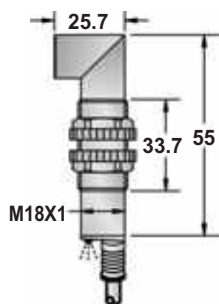
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCM1-1805N-A3U2Y	1	FCM2-1808N-A3U2Y
FCM1-1805N-B3U2Y	2	FCM2-1808N-B3U2Y
FCM1-1805P-A3U2Y	3	FCM2-1808P-A3U2Y
FCM1-1805P-B3U2Y	4	FCM2-1808P-B3U2Y
FCM1-1805P-S4U2Y	6	FCM2-1808P-S4U2Y
FCM1-1805N-S4U2Y	5	FCM2-1808N-S4U2Y
FCM1-1805C-A2U2Y	7	FCM2-1808C-A2U2Y
FCM1-1805C-B2U2Y	8	FCM2-1808C-B2U2Y
HCM1-1805N-A3U2Y	1	HCM2-1808N-A3U2Y
HCM1-1805N-B3U2Y	2	HCM2-1808N-B3U2Y
HCM1-1805P-A3U2Y	3	HCM2-1808P-A3U2Y
HCM1-1805P-B3U2Y	4	HCM2-1808P-B3U2Y
ICM1-1805N-A3U2Y	1	ICM2-1808N-A3U2Y
ICM1-1805N-B3U2Y	2	ICM2-1808N-B3U2Y
ICM1-1805P-A3U2Y	3	ICM2-1808P-A3U2Y
ICM1-1805P-B3U2Y	4	ICM2-1808P-B3U2Y
ICM1-1805P-S4U2Y	6	ICM2-1808P-S4U2Y
ICM1-1805N-S4U2Y	5	ICM2-1808N-S4U2Y

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

DC INDUCTIVE PROXIMITY SWITCH

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

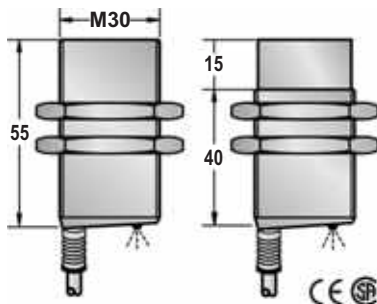


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
PBT	

Voltage Drop: <1.5V (for Operating Volt. 10-30V)
<1V (for Operating Volt. 5-36V)
<2V (for Operating Volt. 10-55V)
This applies to all models in the category of
DC INDUCTIVE PROXIMITY SWITCH.

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

M 30	
	
10 mm	15 mm
stainless steel or nickel plated brass	
	

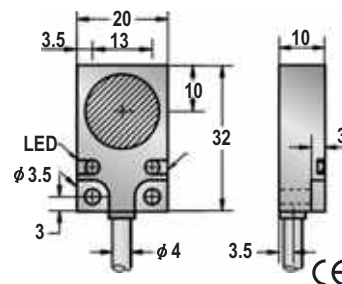


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

5.8 ϕ 3x0.5	
Approx.217 g	Approx.207 g

Q20x32x10
●
5 mm
die-cast
●



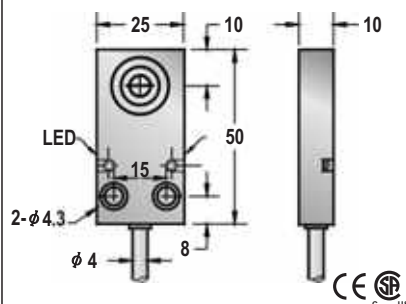
10-30VDC or 5-36VDC or 10-55VDC
<10%
<10mA
<20mA
200mA
<0.01mA
-
-
<1.5V or <1.0V or <2.0V
1KHZ
0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

FQM1-2005N-A3U2T	1
FQM1-2005N-B3U2T	2
FQM1-2005P-A3U2T	3
FQM1-2005P-B3U2T	4
FQM1-2005P-S4U2T	6
FQM1-2005N-S4U2T	5
FQM1-2005C-A2U2T	7
FQM1-2005C-B2U2T	8
IQM1-2005N-A3U2T	1
IQM1-2005N-B3U2T	2
IQM1-2005P-A3U2T	3
IQM1-2005P-B3U2T	4
IQM1-2005P-S4U2T	6
IQM1-2005N-S4U2T	5

4φ 3x0.15
Approx.55 g

DC INDUCTIVE PROXIMITY SWITCH

Q25x50x10
●
5 mm
die-cast
●



10-30VDC or 5-36VDC or 10-55VDC
<10%
<10mA
<20mA
200mA
<0.01mA
-
-
<1.5V or <1.0V or <2.0V
1KHZ
0.2ms/0.2ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
<10ms
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

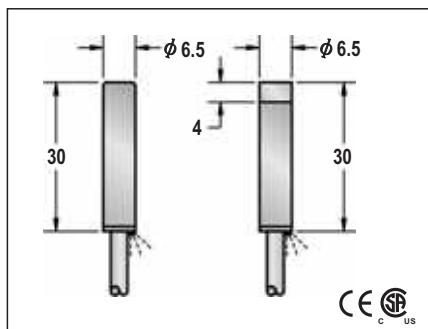
FQM1-2505N-A3U2T	1
FQM1-2505N-B3U2T	2
FQM1-2505P-A3U2T	3
FQM1-2505P-B3U2T	4
FQM1-2505P-S4U2T	6
FQM1-2505N-S4U2T	5
FQM1-2505C-A2U2T	7
FQM1-2505C-B2U2T	8
IQM1-2505N-A3U2T	1
IQM1-2505N-B3U2T	2
IQM1-2505P-A3U2T	3
IQM1-2505P-B3U2T	4
IQM1-2505P-S4U2T	6
IQM1-2505N-S4U2T	5

Voltage Drop: <1.5V (for Operating Volt. 10-30V)
<1V (for Operating Volt. 5-36V)
<2V (for Operating Volt. 10-55V)
This applies to all models in the category of
DC INDUCTIVE PROXIMITY SWITCH.

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

4 ϕ 3x0.15
Approx.55 g

ø6.5	
●	○
1mm , 1.5mm	2mm , 2.5mm
stainless steel	

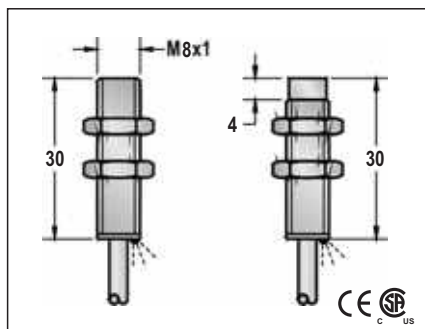


10-30VDC or 5-36VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V(10-30V) or <1.0V(5-36V)
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
POM

5-36v: ICU*-*****-**** type switching
distance Sn=1.5mm (shielded),
Sn=2.5mm (non-shielded).

3 ϕ 3x0.15
Approx.40 g

M 8	
	
1mm, 1.5mm	2mm, 2.5mm
stainless steel	
	

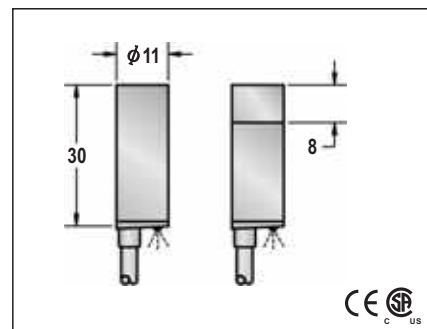


10-30VDC or 5-36VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V(10-30V) or <1.0V(5-36V)
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PDM

5-36v: ICU*-*****-**** type switching
distance Sn=1.5mm (shielded),
Sn=2.5mm (non-shielded).

3 ϕ 3x0.15
Approx.47 g

Ø 11	
	
2 mm	4 mm
stainless steel or nickel plated brass	
	



10-30VDC or 5-36VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V(10-30V) or <1.0V(5-36V)	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
DOM	

Short type changeover 5-36V DC only

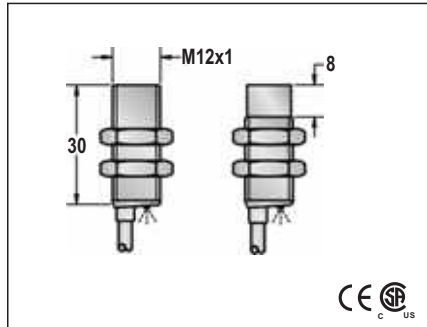
4φ 3x0.15	
Approx.59 g	Approx.58 g

M12、M18、M30

DC INDUCTIVE SHORT FORM PROXIMITY SWITCH

DC INDUCTIVE SHORT FORM PROXIMITY SWITCH

M 12	
●	○
2 mm	4 mm
stainless steel or nickel plated brass	
●	



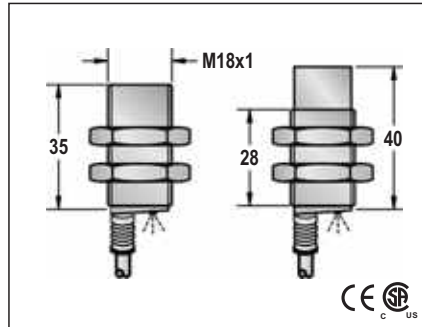
10-30VDC or 5-36VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
<1.5V(10-30V) or <1.0V(5-36V)	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
POM	PBT

FCM1-1202N-A3S2	1	FCM2-1204N-A3S2
FCM1-1202N-B3S2	2	FCM2-1204N-B3S2
FCM1-1202P-A3S2	3	FCM2-1204P-A3S2
FCM1-1202P-B3S2	4	FCM2-1204P-B3S2
FCM1-1202P-S4S2	6	FCM2-1204P-S4S2
FCM1-1202N-S4S2	5	FCM2-1204N-S4S2
FCM1-1202C-A2S2	7	FCM2-1204C-A2S2
FCM1-1202C-B2S2	8	FCM2-1204C-B2S2
ICM1-1202N-A3S2	1	ICM2-1204N-A3S2
ICM1-1202N-B3S2	2	ICM2-1204N-B3S2
ICM1-1202P-A3S2	3	ICM2-1204P-A3S2
ICM1-1202P-B3S2	4	ICM2-1204P-B3S2
ICM1-1202P-S4S2	6	ICM2-1204P-S4S2
ICM1-1202N-S4S2	5	ICM2-1204N-S4S2

Voltage Drop: <1.5V (for Operating Volt. 10-30V)
<1V (for Operating Volt. 5-36V)
<2V (for Operating Volt. 10-55V)
This applies to all models in the category of
DC INDUCTIVE PROXIMITY SWITCH.

4 φ 3x0.15	
Approx.62 g	Approx.60 g

M 18	
●	○
5 mm	8 mm
stainless steel or nickel plated brass	
●	



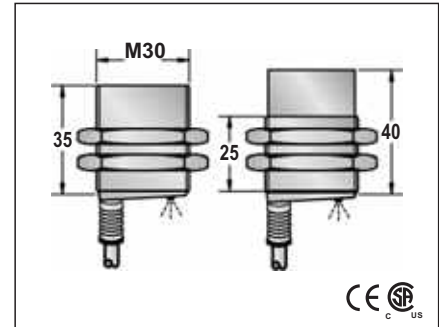
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCM1-1805N-A3S2	1	FCM2-1808N-A3S2
FCM1-1805N-B3S2	2	FCM2-1808N-B3S2
FCM1-1805P-A3S2	3	FCM2-1808P-A3S2
FCM1-1805P-B3S2	4	FCM2-1808P-B3S2
FCM1-1805P-S4S2	6	FCM2-1808P-S4S2
FCM1-1805N-S4S2	5	FCM2-1808N-S4S2
FCM1-1805C-A2S2	7	FCM2-1808C-A2S2
FCM1-1805C-B2S2	8	FCM2-1808C-B2S2
HCM1-1805N-A3S2	1	HCM2-1808N-A3S2
HCM1-1805N-B3S2	2	HCM2-1808N-B3S2
HCM1-1805P-A3S2	3	HCM2-1808P-A3S2
HCM1-1805P-B3S2	4	HCM2-1808P-B3S2
ICM1-1805N-A3S2	1	ICM2-1808N-A3S2
ICM1-1805N-B3S2	2	ICM2-1808N-B3S2
ICM1-1805P-A3S2	3	ICM2-1808P-A3S2
ICM1-1805P-B3S2	4	ICM2-1808P-B3S2
ICM1-1805P-S4S2	6	ICM2-1808P-S4S2
ICM1-1805N-S4S2	5	ICM2-1808N-S4S2

Please see Page 18 for details and
specifications of DC 2-Wire models
on this page.

5.0 φ 44x0.1	
Approx.132 g	Approx.134 g

M 30	
●	○
10 mm	15 mm
stainless steel or nickel plated brass	
●	



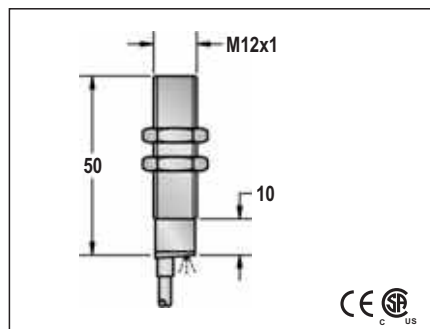
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCM1-3010N-A3S2	1	FCM2-3015N-A3S2
FCM1-3010N-B3S2	2	FCM2-3015N-B3S2
FCM1-3010P-A3S2	3	FCM2-3015P-A3S2
FCM1-3010P-B3S2	4	FCM2-3015P-B3S2
FCM1-3010P-S4S2	6	FCM2-3015P-S4S2
FCM1-3010N-S4S2	5	FCM2-3015N-S4S2
FCM1-3010C-A2S2	7	FCM2-3015C-A2S2
FCM1-3010C-B2S2	8	FCM2-3015C-B2S2
HCM1-3010N-A3S2	1	HCM2-3015N-A3S2
HCM1-3010N-B3S2	2	HCM2-3015N-B3S2
HCM1-3010P-A3S2	3	HCM2-3015P-A3S2
HCM1-3010P-B3S2	4	HCM2-3015P-B3S2
ICM1-3010N-A3S2	1	ICM2-3015N-A3S2
ICM1-3010N-B3S2	2	ICM2-3015N-B3S2
ICM1-3010P-A3S2	3	ICM2-3015P-A3S2
ICM1-3010P-B3S2	4	ICM2-3015P-B3S2
ICM1-3010P-S4S2	6	ICM2-3015P-S4S2
ICM1-3010N-S4S2	5	ICM2-3015N-S4S2

5.8 φ 3x0.5	
Approx.180 g	Approx.182 g

DC INDUCTIVE PLASTIC HOUSING PROXIMITY SWITCH

M 12	
●	○
2 mm	4 mm
PBT RESIN	
●	



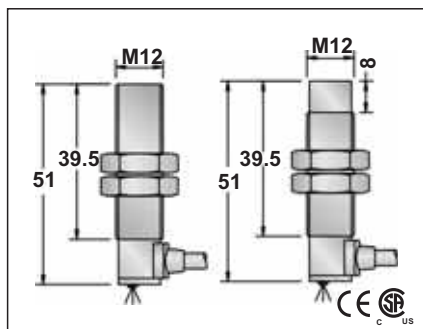
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
POM	

FCP1-1202N-A3U2	1	FCP2-1204N-A3U2
FCP1-1202N-B3U2	2	FCP2-1204N-B3U2
FCP1-1202P-A3U2	3	FCP2-1204P-A3U2
FCP1-1202P-B3U2	4	FCP2-1204P-B3U2
FCP1-1202P-S4U2	6	FCP2-1204P-S4U2
FCP1-1202N-S4U2	5	FCP2-1204N-S4U2
FCP1-1202C-A2U2	7	FCP2-1204C-A2U2
FCP1-1202C-B2U2	8	FCP2-1204C-B2U2
HCP1-1202N-A3U2	1	HCP2-1204N-A3U2
HCP1-1202P-A3U2	3	HCP2-1204P-A3U2
ICP1-1202N-A3U2	1	ICP2-1204N-A3U2
ICP1-1202N-B3U2	2	ICP2-1204N-B3U2
ICP1-1202P-A3U2	3	ICP2-1204P-A3U2
ICP1-1202P-B3U2	4	ICP2-1204P-B3U2

Voltage Drop: <1.5V (for Operating Volt. 10-30V)
<1V (for Operating Volt. 5-36V)
<2V (for Operating Volt. 10-55V)
This applies to all models in the category of
DC INDUCTIVE PROXIMITY SWITCH.

4 φ 3x0.15
Approx.60 g

M 12	
●	○
2 mm	4 mm
PBT RESIN	
●	



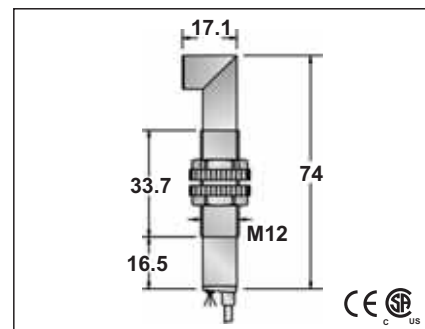
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
POM	PBT

FCP1-1202N-A3U2Y	1	FCP2-1204N-A3U2Y
FCP1-1202N-B3U2Y	2	FCP2-1204N-B3U2Y
FCP1-1202P-A3U2Y	3	FCP2-1204P-A3U2Y
FCP1-1202P-B3U2Y	4	FCP2-1204P-B3U2Y
FCP1-1202P-S4U2Y	6	FCP2-1204P-S4U2Y
FCP1-1202N-S4U2Y	5	FCP2-1204N-S4U2Y
FCP1-1202C-A2U2Y	7	FCP2-1204C-A2U2Y
FCP1-1202C-B2U2Y	8	FCP2-1204C-B2U2Y
HCP1-1202N-A3U2Y	1	HCP2-1204N-A3U2Y
HCP1-1202P-A3U2Y	3	HCP2-1204P-A3U2Y
ICP1-1202N-A3U2Y	1	ICP2-1204N-A3U2Y
ICP1-1202N-B3U2Y	2	ICP2-1204N-B3U2Y
ICP1-1202P-A3U2Y	3	ICP2-1204P-A3U2Y
ICP1-1202P-B3U2Y	4	ICP2-1204P-B3U2Y

Please see Page 18 for details and
specifications of DC 2-Wire models
on this page.

4 φ 3x0.15
Approx.60 g

M 12	
●	○
2 mm	4 mm
PBT RESIN	
●	



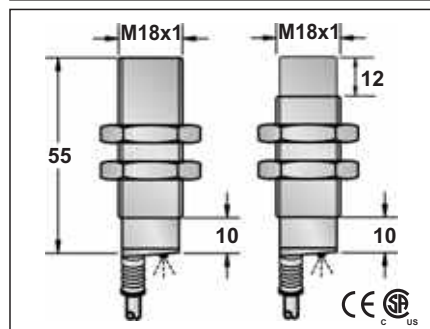
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
POM	

FCP1-1202N-A3U2Z	1	FCP2-1204N-A3U2Z
FCP1-1202N-B3U2Z	2	FCP2-1204N-B3U2Z
FCP1-1202P-A3U2Z	3	FCP2-1204P-A3U2Z
FCP1-1202P-B3U2Z	4	FCP2-1204P-B3U2Z
FCP1-1202P-S4U2Z	6	FCP2-1204P-S4U2Z
FCP1-1202N-S4U2Z	5	FCP2-1204N-S4U2Z
FCP1-1202C-A2U2Z	7	FCP2-1204C-A2U2Z
FCP1-1202C-B2U2Z	8	FCP2-1204C-B2U2Z
HCP1-1202N-A3U2Z	1	HCP2-1204N-A3U2Z
HCP1-1202P-A3U2Z	3	HCP2-1204P-A3U2Z
ICP1-1202N-A3U2Z	1	ICP2-1204N-A3U2Z
ICP1-1202N-B3U2Z	2	ICP2-1204N-B3U2Z
ICP1-1202P-A3U2Z	3	ICP2-1204P-A3U2Z
ICP1-1202P-B3U2Z	4	ICP2-1204P-B3U2Z

4 φ 3x0.15
Approx.60 g

DC INDUCTIVE PLASTIC HOUSING PROXIMITY SWITCH

M 18	
●	○
2 mm	4 mm
PBT RESIN	
●	



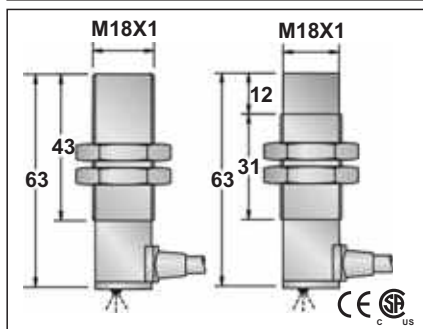
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCP1-1805N-A3U2	1	FCP2-1808N-A3U2
FCP1-1805N-B3U2	2	FCP2-1808N-B3U2
FCP1-1805P-A3U2	3	FCP2-1808P-A3U2
FCP1-1805P-B3U2	4	FCP2-1808P-B3U2
FCP1-1805P-S4U2	6	FCP2-1808P-S4U2
FCP1-1805N-S4U2	5	FCP2-1808N-S4U2
FCP1-1805C-A2U2	7	FCP2-1808C-A2U2
FCP1-1805C-B2U2	8	FCP2-1808C-B2U2
HCP1-1805N-A3U2	1	HCP2-1808N-A3U2
HCP1-1805P-A3U2	3	HCP2-1808P-A3U2
ICP1-1805N-A3U2	1	ICP2-1808N-A3U2
ICP1-1805N-B3U2	2	ICP2-1808N-B3U2
ICP1-1805P-A3U2	3	ICP2-1808P-A3U2
ICP1-1805P-B3U2	4	ICP2-1808P-B3U2

Voltage Drop: <1.5V (for Operating Volt. 10-30V)
<1V (for Operating Volt. 5-36V)
<2V (for Operating Volt. 10-55V)
This applies to all models in the category of
DC INDUCTIVE PROXIMITY SWITCH.

5.0φ44 x 0.1
Approx.135 g

M 18	
●	○
5 mm	8 mm
PBT RESIN	
●	



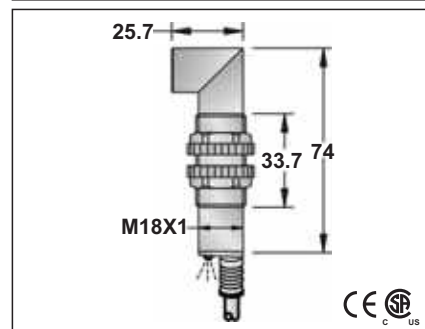
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCP1-1805N-A3U2Y	1	FCP2-1808N-A3U2Y
FCP1-1805N-B3U2Y	2	FCP2-1808N-B3U2Y
FCP1-1805P-A3U2Y	3	FCP2-1808P-A3U2Y
FCP1-1805P-B3U2Y	4	FCP2-1808P-B3U2Y
FCP1-1805P-S4U2Y	6	FCP2-1808P-S4U2Y
FCP1-1805N-S4U2Y	5	FCP2-1808N-S4U2Y
FCP1-1805C-A2U2Y	7	FCP2-1808C-A2U2Y
FCP1-1805C-B2U2Y	8	FCP2-1808C-B2U2Y
HCP1-1805N-A3U2Y	1	HCP2-1808N-A3U2Y
HCP1-1805P-A3U2Y	3	HCP2-1808P-A3U2Y
ICP1-1805N-A3U2Y	1	ICP2-1808N-A3U2Y
ICP1-1805N-B3U2Y	2	ICP2-1808N-B3U2Y
ICP1-1805P-A3U2Y	3	ICP2-1808P-A3U2Y
ICP1-1805P-B3U2Y	4	ICP2-1808P-B3U2Y

Please see Page 18 for details and
specifications of DC 2-Wire models
on this page.

5.0φ44x0.1
Approx.135 g

M 18	
●	○
5 mm	8 mm
PBT RESIN	
●	



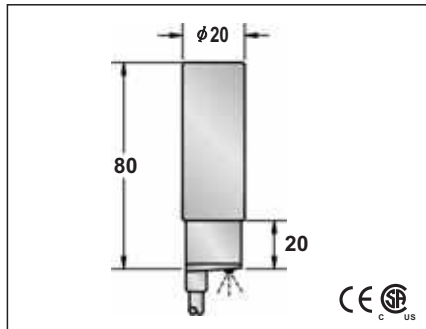
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCP1-1805N-A3U2Z	1	FCP2-1808N-A3U2Z
FCP1-1805N-B3U2Z	2	FCP2-1808N-B3U2Z
FCP1-1805P-A3U2Z	3	FCP2-1808P-A3U2Z
FCP1-1805P-B3U2Z	4	FCP2-1808P-B3U2Z
FCP1-1805P-S4U2Z	6	FCP2-1808P-S4U2Z
FCP1-1805N-S4U2Z	5	FCP2-1808N-S4U2Z
FCP1-1805C-A2U2Z	7	FCP2-1808C-A2U2Z
FCP1-1805C-B2U2Z	8	FCP2-1808C-B2U2Z
HCP1-1805N-A3U2Z	1	HCP2-1808N-A3U2Z
HCP1-1805P-A3U2Z	3	HCP2-1808P-A3U2Z
ICP1-1805N-A3U2Z	1	ICP2-1808N-A3U2Z
ICP1-1805N-B3U2Z	2	ICP2-1808N-B3U2Z
ICP1-1805P-A3U2Z	3	ICP2-1808P-A3U2Z
ICP1-1805P-B3U2Z	4	ICP2-1808P-B3U2Z

5.0φ44x0.1
Approx.135 g

DC INDUCTIVE PLASTIC HOUSING PROXIMITY SWITCH

φ20
○
10 mm
PBT RESIN
●



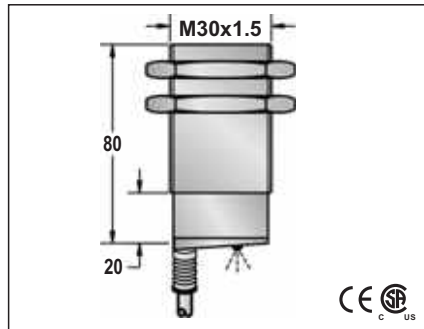
10-30VDC or 5-36VDC or 10-55VDC
<10%
<10mA <20mA
200mA
<0.01mA
-
-
<1.5V or <1.0V or <2.0V
500HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
POM

FCP2-D2010N-A3U2	1
FCP2-D2010N-B3U2	2
FCP2-D2010P-A3U2	3
FCP2-D2010P-B3U2	4
FCP2-D2010C-A2U2	7
FCP2-D2010C-B2U2	8
HCP2-D2010N-A3U2	1
HCP2-D2010P-A3U2	3
ICP2-D2010N-A3U2	1
ICP2-D2010N-B3U2	2
ICP2-D2010P-A3U2	3
ICP2-D2010P-B3U2	4

Voltage Drop: <1.5V (for Operating Volt. 10-30V)
<1V (for Operating Volt. 5-36V)
<2V (for Operating Volt. 10-55V)
This applies to all models in the category of
DC INDUCTIVE PROXIMITY SWITCH.

5.8φ 3x0.5
Approx.153 g

M 30
●
10 mm
○
15 mm
PBT RESIN
●



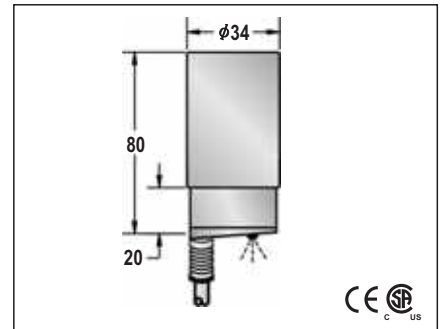
10-30VDC or 5-36VDC or 10-55VDC
<10%
<10mA <20mA
200mA
<0.01mA
-
-
<1.5V or <1.0V or <2.0V
300HZ
0.5ms/0.5ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
PBT

FCP1-3010N-A3U2	1	FCP2-3015N-A3U2
FCP1-3010N-B3U2	2	FCP2-3015N-B3U2
FCP1-3010P-A3U2	3	FCP2-3015P-A3U2
FCP1-3010P-B3U2	4	FCP2-3015P-B3U2
FCP1-3010P-S4U2	6	FCP2-3015P-S4U2
FCP1-3010N-S4U2	5	FCP2-3015N-S4U2
FCP1-3010C-A2U2	7	FCP2-3015C-A2U2
HCP1-3010N-A3U2	1	HCP2-3015N-A3U2
HCP1-3010P-A3U2	3	HCP2-3015P-A3U2
ICP1-3010N-A3U2	1	ICP2-3015N-A3U2
ICP1-3010N-B3U2	2	ICP2-3015N-B3U2
ICP1-3010P-A3U2	3	ICP2-3015P-A3U2
ICP1-3010P-B3U2	4	ICP2-3015P-B3U2

Please see Page 18 for details and
specifications of DC 2-Wire models
on this page.

5.8φ 3x0.5
Approx.200 g

φ34
○
20 mm
PBT RESIN
●



10-30VDC or 5-36VDC or 10-55VDC
<10%
<10mA <20mA
200mA
<0.01mA
-
-
<1.5V or <1.0V or <2.0V
150HZ
1ms/1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25°C - +70°C
<10%(Sr)
YES
220mA
<10ms
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

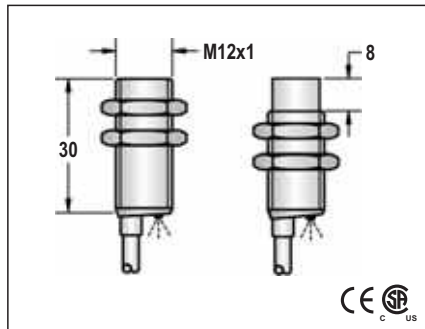
FCP2-D3420N-A3U2	1
FCP2-D3420N-B3U2	2
FCP2-D3420P-A3U2	3
FCP2-D3420P-B3U2	4
FCP2-D3420C-A2U2	7
FCP2-D3420C-B2U2	8
HCP2-D3420N-A3U2	1
HCP2-D3420P-A3U2	3
ICP2-D3420N-A3U2	1
ICP2-D3420N-B3U2	2
ICP2-D3420P-A3U2	3
ICP2-D3420P-B3U2	4

5.8φ 3x0.5
Approx.259 g

INDUCTIVE PLASTIC HOUSING SHORT FORM PROXIMITY SWITCH

DC INDUCTIVE PLASTIC HOUSING SHORT FORM PROXIMITY SWITCH

M 12	
	
2 mm	4 mm
PBT RESIN	
	



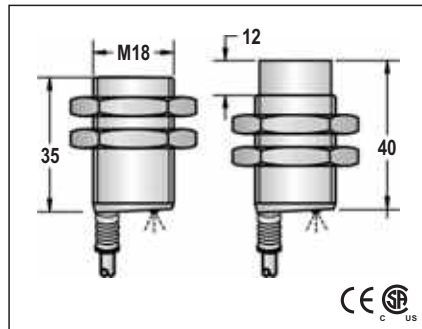
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	PBT

[illegible]

Voltage Drop: <1.5V (for Operating Volt. 10-30V)
<1V (for Operating Volt. 5-36V)
<2V (for Operating Volt. 10-55V)
This applies to all models in the category of
DC INDUCTIVE PROXIMITY SWITCH.

4φ 3x0.15
Approx.56 g

M 18	
	
5 mm	8 mm
PBT RESIN	
	



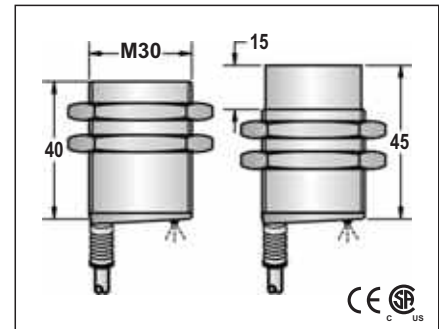
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
PBT	

FCP1-1805N-A3S2	1	FCP2-1808N-A3S2
FCP1-1805N-B3S2	2	FCP2-1808N-B3S2
FCP1-1805P-A3S2	3	FCP2-1808P-A3S2
FCP1-1805P-B3S2	4	FCP2-1808P-B3S2
FCP1-1805P-S4S2	6	FCP2-1808P-S4S2
FCP1-1805N-S4S2	5	FCP2-1808N-S4S2
FCP1-1805C-A2S2	7	FCP2-1808C-A2S2
HCP1-1805N-A3S2	1	HCP2-1808N-A3S2
HCP1-1805P-A3S2	3	HCP2-1808P-A3S2
ICP1-1805N-A3S2	1	ICP2-1808N-A3S2
ICP1-1805N-B3S2	2	ICP2-1808N-B3S2
ICP1-1805P-A3S2	3	ICP2-1808P-A3S2
ICP1-1805P-B3S2	4	ICP2-1808P-B3S2

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

5.0 ϕ 44x0.1
Approx.130 g

M 30	
	
10 mm	15 mm
PBT RESIN	
	



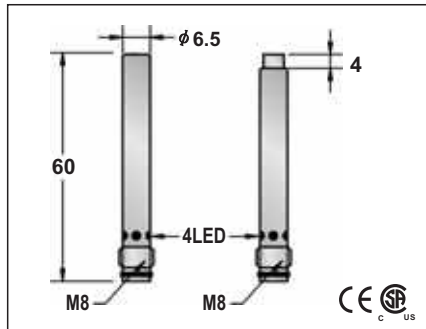
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
PBT	

FCP1-3010N-A3S2	1	FCP2-3015N-A3S2
FCP1-3010N-B3S2	2	FCP2-3015N-B3S2
FCP1-3010P-A3S2	3	FCP2-3015P-A3S2
FCP1-3010P-B3S2	4	FCP2-3015P-B3S2
FCP1-3010P-S4S2	6	FCP2-3015P-S4S2
FCP1-3010N-S4S2	5	FCP2-3015N-S4S2
FCP1-3010C-A2S2	7	FCP2-3015C-A2S2
HCP1-3010N-A3S2	1	HCP2-3015N-A3S2
HCP1-3010P-A3S2	3	HCP2-3015P-A3S2
ICP1-3010N-A3S2	1	ICP2-3015N-A3S2
ICP1-3010N-B3S2	2	ICP2-3015N-B3S2
ICP1-3010P-A3S2	3	ICP2-3015P-A3S2
ICP1-3010P-B3S2	4	ICP2-3015P-B3S2

5.8φ 3x0.5	
Approx.168 g	Approx.172 g

DC INDUCTIVE PROXIMITY SWITCH CONNECTOR TYPE

φ 6.5	
●	○
1mm, 1.5mm	2mm, 2.5mm
stainless steel only	
●	



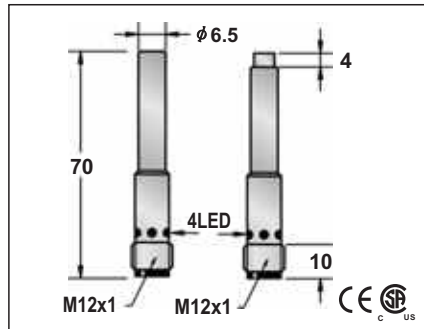
10-30VDC or 5-36VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V(10-30V) or <1.0V(5-36V)
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
POM

FCU1-D0601N-ACU3	29	FCU2-D0602N-ACU3
FCU1-D0601N-BCU3	29	FCU2-D0602N-BCU3
FCU1-D0601P-ACU3	30	FCU2-D0602P-ACU3
FCU1-D0601P-BCU3	30	FCU2-D0602P-BCU3
FCU1-D0601C-ACU3	39	FCU2-D0602C-ACU3
FCU1-D0601C-BCU3	77	FCU2-D0602C-BCU3
ICU1-D061.5N-ACU3	29	ICU2-D062.5N-ACU3
ICU1-D061.5N-BCU3	29	ICU2-D062.5N-BCU3
ICU1-D061.5P-ACU3	30	ICU2-D062.5P-ACU3
ICU1-D061.5P-BCU3	30	ICU2-D062.5P-BCU3

5-36V: ICU*-*****-**** type switching
distance Sn=1.5mm (shielded),
Sn=2.5mm (non-shielded).

Approx.17 g	Approx.16 g
-------------	-------------

φ 6.5	
●	○
1mm, 1.5mm	2mm, 2.5mm
stainless steel only	
●	



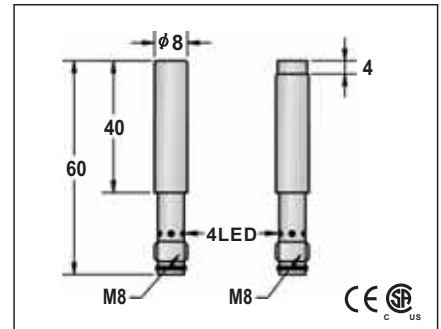
10-30VDC or 5-36VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V(10-30V) or <1.0V(5-36V)
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
RFI>3V/m / EFT>1KV / ESD>4KV (contact)
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2
POM

FCU1-D0601N-ARU4	33	FCU2-D0602N-ARU4
FCU1-D0601N-BRU4	34	FCU2-D0602N-BRU4
FCU1-D0601P-ARU4	35	FCU2-D0602P-ARU4
FCU1-D0601P-BRU4	36	FCU2-D0602P-BRU4
FCU1-D0601C-ARU4	40	FCU2-D0602C-ARU4
FCU1-D0601C-BRU4	78	FCU2-D0602C-BRU4
ICU1-D061.5N-ARU4	33	ICU2-D062.5N-ARU4
ICU1-D061.5N-BRU4	34	ICU2-D062.5N-BRU4
ICU1-D061.5P-ARU4	35	ICU2-D062.5P-ARU4
ICU1-D061.5P-BRU4	36	ICU2-D062.5P-BRU4

1. 5-36V: ICU*-*****-**** type switching
distance Sn=1.5mm (shielded),
Sn=2.5mm (non-shielded).
2. Please see Page 18 for details and specifications
of DC 2-Wire models on this page.

approx.25 g

φ 8	
●	○
1mm, 1.5mm	2mm, 2.5mm
stainless steel only	
●	



10-30VDC or 5-36VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V(10-30V) or <1.0V(5-36V)
2KHZ
0.1ms/0.1ms
<15%(Sr)
<1.0%(Sr)
IP67
-25 °C - +70 °C
<10%(Sr)
YES
220mA
<10ms
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

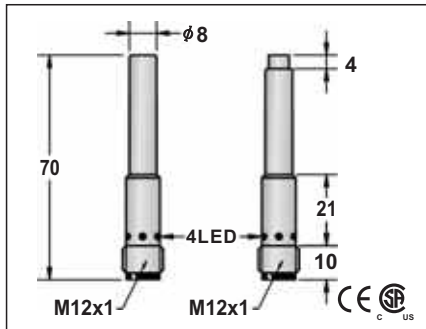
FCU1-D0801N-ACU3	29	FCU2-D0802N-ACU3
FCU1-D0801N-BCU3	29	FCU2-D0802N-BCU3
FCU1-D0801P-ACU3	30	FCU2-D0802P-ACU3
FCU1-D0801P-BCU3	30	FCU2-D0802P-BCU3
FCU1-D0801C-ACU3	39	FCU2-D0802C-ACU3
FCU1-D0801C-BCU3	77	FCU2-D0802C-BCU3
ICU1-D081.5N-ACU3	29	ICU2-D082.5N-ACU3
ICU1-D081.5N-BCU3	29	ICU2-D082.5N-BCU3
ICU1-D081.5P-ACU3	30	ICU2-D082.5P-ACU3
ICU1-D081.5P-BCU3	30	ICU2-D082.5P-BCU3

5-36V: ICU*-*****-**** type switching
distance Sn=1.5mm (shielded),
Sn=2.5mm (non-shielded).

Approx.15 g

DC INDUCTIVE PROXIMITY SWITCH CONNECTOR TYPE

ø8	
●	○
1mm, 1.5mm	2mm, 2.5mm
stainless steel or niated brass	
●	



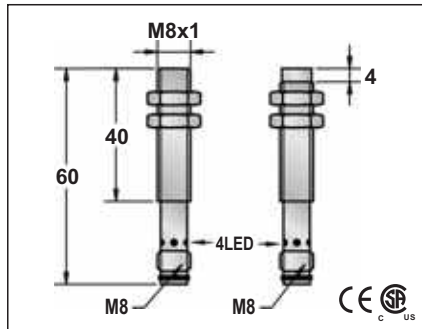
10-30VDC or 5-36VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
<1.5V(10-30V) or <1.0V(5-36V)	
2KHZ	
0.1ms/0.1ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	

FCM1-D0801N-ARU4	33	FCM2-D0802N-ARU4
FCM1-D0801N-BRU4	34	FCM2-D0802N-BRU4
FCM1-D0801P-ARU4	35	FCM2-D0802P-ARU4
FCM1-D0801P-BRU4	36	FCM2-D0802P-BRU4
FCM1-D0801P-SRU4	38	FCM2-D0802P-SRU4
FCM1-D0801N-SRU4	37	FCM2-D0802N-SRU4
FCM1-D0801C-ARU4	40	FCM2-D0802C-ARU4
FCM1-D0801C-BRU4	78	FCM2-D0802C-BRU4
ICM1-D081.5N-ARU4	33	ICM2-D082.5N-ARU4
ICM1-D081.5N-BRU4	34	ICM2-D082.5N-BRU4
ICM1-D081.5P-ARU4	35	ICM2-D082.5P-ARU4
ICM1-D081.5P-BRU4	36	ICM2-D082.5P-BRU4

5-36V: switching distance Sn=1.5mm
(shielded),Sn=2.5mm (non-shielded).

Approx.28 g

M 8	
●	○
1mm, 1.5mm	2mm, 2.5mm
stainless steel only	
●	



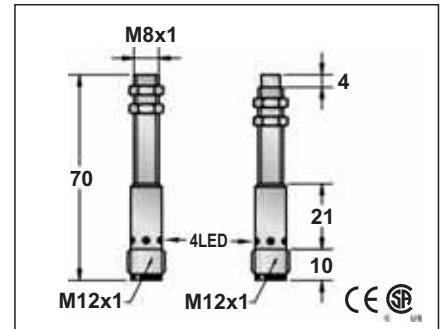
10-30VDC or 5-36VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
<1.5V(10-30V) or <1.0V(5-36V)	
2KHZ	
0.1ms/0.1ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	

FCU1-0801N-ACU3	29	FCU2-0802N-ACU3
FCU1-0801N-BCU3	29	FCU2-0802N-BCU3
FCU1-0801P-ACU3	30	FCU2-0802P-ACU3
FCU1-0801P-BCU3	30	FCU2-0802P-BCU3
FCU1-0801C-ACU3	39	FCU2-0802C-ACU3
FCU1-0801C-BCU3	77	FCU2-0802C-BCU3
ICU1-081.5N-ACU3	29	ICU2-082.5N-ACU3
ICU1-081.5N-BCU3	29	ICU2-082.5N-BCU3
ICU1-081.5P-ACU3	30	ICU2-082.5P-ACU3
ICU1-081.5P-BCU3	30	ICU2-082.5P-BCU3

1. 5-36V: switching distance Sn=1.5mm
(shielded),Sn=2.5mm (non-shielded).
2. Please see Page 18 for details and specifications
of DC 2-Wire models on this page.

Approx.15 g

M 8	
●	○
1mm, 1.5mm	2mm, 2.5mm
stainless steel or nickel plated brass	
●	



10-30VDC or 5-36VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
<1.5V(10-30V) or <1.0V(5-36V)	
2KHZ	
0.1ms/0.1ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
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	

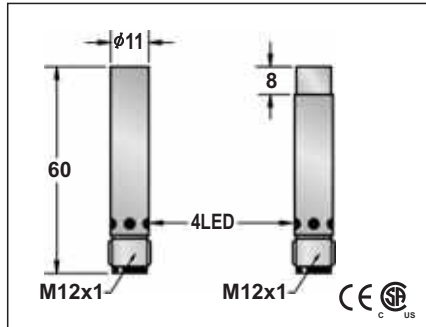
FCM1-0801N-ARU4	33	FCM2-0802N-ARU4
FCM1-0801N-BRU4	34	FCM2-0802N-BRU4
FCM1-0801P-ARU4	35	FCM2-0802P-ARU4
FCM1-0801P-BRU4	36	FCM2-0802P-BRU4
FCM1-0801P-SRU4	38	FCM2-0802P-SRU4
FCM1-0801N-SRU4	37	FCM2-0802N-SRU4
FCM1-0801C-ARU4	40	FCM2-0802C-ARU4
FCM1-0801C-BRU4	78	FCM2-0802C-BRU4
ICM1-081.5N-ARU4	33	ICM2-082.5N-ARU4
ICM1-081.5N-BRU4	34	ICM2-082.5N-BRU4
ICM1-081.5P-ARU4	35	ICM2-082.5P-ARU4
ICM1-081.5P-BRU4	36	ICM2-082.5P-BRU4

5-36V: switching distance Sn=1.5mm
(shielded),Sn=2.5mm (non-shielded).

Approx.22 g

DC INDUCTIVE PROXIMITY SWITCH CONNECTOR TYPE

φ11	
●	○
2 mm	4 mm
stainless steel or nickel plated brass	
●	

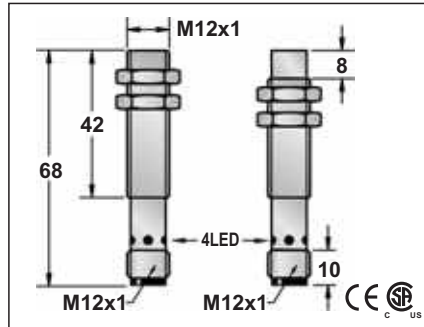


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	

FCM1-D1102N-ARU4	33	FCM2-D1104N-ARU4
FCM1-D1102N-BRU4	34	FCM2-D1104N-BRU4
FCM1-D1102P-ARU4	35	FCM2-D1104P-ARU4
FCM1-D1102P-BRU4	36	FCM2-D1104P-BRU4
FCM1-D1102P-SRU4	38	FCM2-D1104P-SRU4
FCM1-D1102N-SRU4	37	FCM2-D1104N-SRU4
FCM1-D1102C-ARU4	40	FCM2-D1104C-ARU4
FCM1-D1102C-BRU4	78	FCM2-D1104C-BRU4
HCM1-D1102N-ARU4	33	HCM2-D1104N-ARU4
HCM1-D1102N-BRU4	34	HCM2-D1104N-BRU4
HCM1-D1102P-ARU4	35	HCM2-D1104P-ARU4
HCM1-D1102P-BRU4	36	HCM2-D1104P-BRU4
ICM1-D1102N-ARU4	33	ICM2-D1104N-ARU4
ICM1-D1102N-BRU4	34	ICM2-D1104N-BRU4
ICM1-D1102P-ARU4	35	ICM2-D1104P-ARU4
ICM1-D1102P-BRU4	36	ICM2-D1104P-BRU4
ICM1-D1102P-SRU4	38	ICM2-D1104P-SRU4
ICM1-D1102N-SRU4	37	ICM2-D1104N-SRU4

Approx.30 g	
Approx.29 g	

M 12	
●	○
2 mm	4 mm
stainless steel or nickel plated brass	
●	



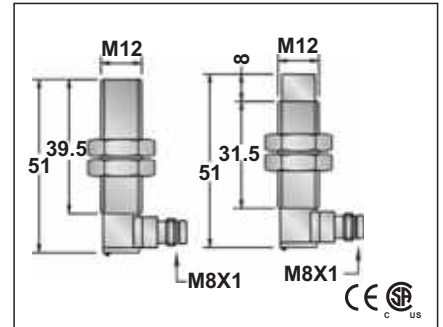
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	PBT

FCM1-1202N-ARU4	33	FCM2-1204N-ARU4
FCM1-1202N-BRU4	34	FCM2-1204N-BRU4
FCM1-1202P-ARU4	35	FCM2-1204P-ARU4
FCM1-1202P-BRU4	36	FCM2-1204P-BRU4
FCM1-1202P-SRU4	38	FCM2-1204P-SRU4
FCM1-1202N-SRU4	37	FCM2-1204N-SRU4
FCM1-1202C-ARU4	40	FCM2-1204C-ARU4
FCM1-1202C-BRU4	78	FCM2-1204C-BRU4
HCM1-1202N-ARU4	33	HCM2-1204N-ARU4
HCM1-1202N-BRU4	34	HCM2-1204N-BRU4
HCM1-1202P-ARU4	35	HCM2-1204P-ARU4
HCM1-1202P-BRU4	36	HCM2-1204P-BRU4
ICM1-1202N-ARU4	33	ICM2-1204N-ARU4
ICM1-1202N-BRU4	34	ICM2-1204N-BRU4
ICM1-1202P-ARU4	35	ICM2-1204P-ARU4
ICM1-1202P-BRU4	36	ICM2-1204P-BRU4
ICM1-1202P-SRU4	38	ICM2-1204P-SRU4
ICM1-1202N-SRU4	37	ICM2-1204N-SRU4

Approx.31 g	
Approx.30 g	

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

M 12	
●	○
2 mm	4 mm
stainless steel or nickel plated brass	
●	



10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
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	PBT

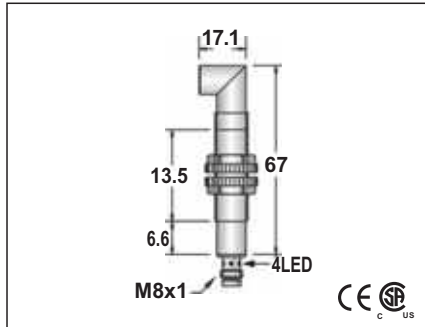
FCM1-1202N-ACU3Y	33	FCM2-1204N-ACU3Y
FCM1-1202N-BCU3Y	34	FCM2-1204N-BCU3Y
FCM1-1202P-ACU3Y	35	FCM2-1204P-ACU3Y
FCM1-1202P-BCU3Y	36	FCM2-1204P-BCU3Y
FCM1-1202P-SCU4Y	38	FCM2-1204P-SCU4Y
FCM1-1202N-SCU4Y	37	FCM2-1204N-SCU4Y
FCM1-1202C-ACU3Y	40	FCM2-1204C-ACU3Y
FCM1-1202C-BCU3Y	78	FCM2-1204C-BCU3Y
HCM1-1202N-ACU3Y	33	HCM2-1204N-ACU3Y
HCM1-1202N-BCU3Y	34	HCM2-1204N-BCU3Y
HCM1-1202P-ACU3Y	35	HCM2-1204P-ACU3Y
HCM1-1202P-BCU3Y	36	HCM2-1204P-BCU3Y
ICM1-1202N-ACU3Y	33	ICM2-1204N-ACU3Y
ICM1-1202N-BCU3Y	34	ICM2-1204N-BCU3Y
ICM1-1202P-ACU3Y	35	ICM2-1204P-ACU3Y
ICM1-1202P-BCU3Y	36	ICM2-1204P-BCU3Y
ICM1-1202P-SCU4Y	38	ICM2-1204P-SCU4Y
ICM1-1202N-SCU4Y	37	ICM2-1204N-SCU4Y

Approx.31 g	
Approx.30 g	

1. Voltage drop:<1.5V(10-30V),<1V(5-36V),<2V(10-55V).
2. 10-55V type: No Load Current < 20mA.

DC INDUCTIVE PROXIMITY SWITCH CONNECTOR TYPE

M 12	
●	○
2 mm	4 mm
stainless steel or nickel plated brass	
●	

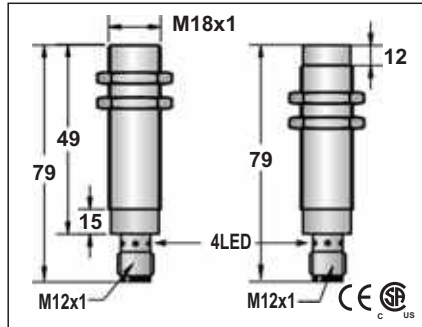


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
POM	

FCM1-1202N-ACU3Z	33	FCM2-1204N-ACU3Z
FCM1-1202N-BCU3Z	34	FCM2-1204N-BCU3Z
FCM1-1202P-ACU3Z	35	FCM2-1204P-ACU3Z
FCM1-1202P-BCU3Z	36	FCM2-1204P-BCU3Z
FCM1-1202P-SCU4Z	38	FCM2-1204P-SCU4Z
FCM1-1202N-SCU4Z	37	FCM2-1204N-SCU4Z
FCM1-1202C-ACU3Z	40	FCM2-1204C-ACU3Z
FCM1-1202C-BCU3Z	78	FCM2-1204C-BCU3Z
HCM1-1202N-ACU3Z	33	HCM2-1204N-ACU3Z
HCM1-1202N-BCU3Z	34	HCM2-1204N-BCU3Z
HCM1-1202P-ACU3Z	35	HCM2-1204P-ACU3Z
HCM1-1202P-BCU3Z	36	HCM2-1204P-BCU3Z
ICM1-1202N-ACU3Z	33	ICM2-1204N-ACU3Z
ICM1-1202N-BCU3Z	34	ICM2-1204N-BCU3Z
ICM1-1202P-ACU3Z	35	ICM2-1204P-ACU3Z
ICM1-1202P-BCU3Z	36	ICM2-1204P-BCU3Z
ICM1-1202P-SCU4Z	38	ICM2-1204P-SCU4Z
ICM1-1202N-SCU4Z	37	ICM2-1204N-SCU4Z

Approx.31 g		Approx.30 g	
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M 18	
●	○
5 mm	8 mm
stainless steel or nickel plated brass	
●	

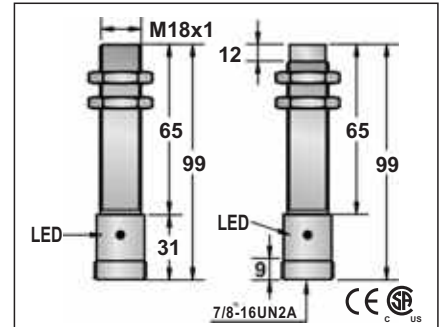


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCM1-1805N-ARU4	33	FCM2-1808N-ARU4
FCM1-1805N-BRU4	34	FCM2-1808N-BRU4
FCM1-1805P-ARU4	35	FCM2-1808P-ARU4
FCM1-1805P-BRU4	36	FCM2-1808P-BRU4
FCM1-1805P-SRU4	38	FCM2-1808P-SRU4
FCM1-1805N-SRU4	37	FCM2-1808N-SRU4
FCM1-1805C-ARU4	40	FCM2-1808C-ARU4
FCM1-1805C-BRU4	78	FCM2-1808C-BRU4
HCM1-1805N-ARU4	33	HCM2-1808N-ARU4
HCM1-1805N-BRU4	34	HCM2-1808N-BRU4
HCM1-1805P-ARU4	35	HCM2-1808P-ARU4
HCM1-1805P-BRU4	36	HCM2-1808P-BRU4
ICM1-1805N-ARU4	33	ICM2-1808N-ARU4
ICM1-1805N-BRU4	34	ICM2-1808N-BRU4
ICM1-1805P-ARU4	35	ICM2-1808P-ARU4
ICM1-1805P-BRU4	36	ICM2-1808P-BRU4
ICM1-1805P-SRU4	38	ICM2-1808P-SRU4
ICM1-1805N-SRU4	37	ICM2-1808N-SRU4

Approx.94 g		Approx.91 g	
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M 18	
●	○
5 mm	8 mm
stainless steel or nickel plated brass	
●	



10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
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	

FCM1-1805N-AZU4	41	FCM2-1808N-AZU4
FCM1-1805N-BZU4	42	FCM2-1808N-BZU4
FCM1-1805P-AZU4	43	FCM2-1808P-AZU4
FCM1-1805P-BZU4	44	FCM2-1808P-BZU4
FCM1-1805P-SZU4	46	FCM2-1808P-SZU4
FCM1-1805N-SZU4	45	FCM2-1808N-SZU4
FCM1-1805C-AZU4	47	FCM2-1808C-AZU4
FCM1-1805C-BZU4	79	FCM2-1808C-BZU4
HCM1-1805N-AZU4	41	HCM2-1808N-AZU4
HCM1-1805N-BZU4	42	HCM2-1808N-BZU4
HCM1-1805P-AZU4	43	HCM2-1808P-AZU4
HCM1-1805P-BZU4	44	HCM2-1808P-BZU4
ICM1-1805N-AZU4	31	ICM2-1808N-AZU4
ICM1-1805N-BZU4	32	ICM2-1808N-BZU4
ICM1-1805P-AZU4	43	ICM2-1808P-AZU4
ICM1-1805P-BZU4	44	ICM2-1808P-BZU4
ICM1-1805P-SZU4	46	ICM2-1808P-SZU4
ICM1-1805N-SZU4	45	ICM2-1808N-SZU4

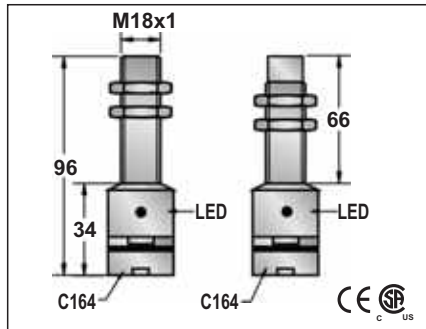
Approx.94 g		Approx.91 g	
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Please see Page 18 for details and specifications of DC 2-Wire models on this page.

1. Voltage Drop:<1.5V(10-30V),<1V(5-36V), <2V(10-55V).
2. 10-55V type: No Load Current < 20mA.

DC INDUCTIVE PROXIMITY SWITCH CONNECTOR TYPE

M 18	
●	○
5 mm	8 mm
stainless steel or nickel plated brass	
●	



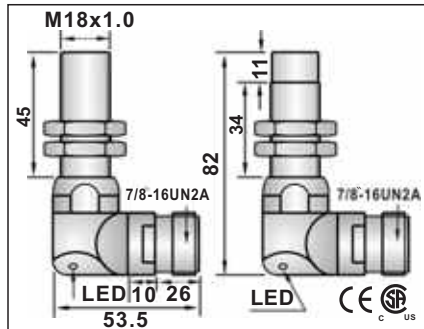
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCM1-1805N-AYU5	49	FCM2-1808N-AYU5
FCM1-1805N-BYU5	50	FCM2-1808N-BYU5
FCM1-1805P-AYU5	51	FCM2-1808P-AYU5
FCM1-1805P-BYU5	52	FCM2-1808P-BYU5
FCM1-1805P-SYU5	54	FCM2-1808P-SYU5
FCM1-1805N-SYU5	53	FCM2-1808N-SYU5
FCM1-1805C-AYU5	48	FCM2-1808C-AYU5
FCM1-1805C-BYU5	80	FCM2-1808C-BYU5
ICM1-1805N-AYU5	49	ICM2-1808N-AYU5
ICM1-1805N-BYU5	50	ICM2-1808N-BYU5
ICM1-1805P-AYU5	51	ICM2-1808P-AYU5
ICM1-1805P-BYU5	52	ICM2-1808P-BYU5
ICM1-1805P-SYU5	54	ICM2-1808P-SYU5
ICM1-1805N-SYU5	53	ICM2-1808N-SYU5

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

Approx.159 g	Approx.155 g
--------------	--------------

M 18	
●	○
5 mm	8 mm
stainless steel or nickel plated brass	
●	



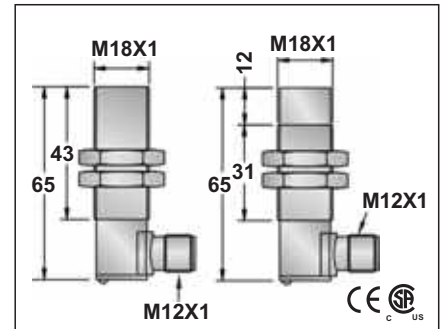
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCM1-1805N-AZU4Y	33	FCM2-1808N-AZU4Y
FCM1-1805N-BZU4Y	34	FCM2-1808N-BZU4Y
FCM1-1805P-AZU4Y	35	FCM2-1808P-AZU4Y
FCM1-1805P-BZU4Y	36	FCM2-1808P-BZU4Y
FCM1-1805P-SZU4Y	38	FCM2-1808P-SZU4Y
FCM1-1805N-SZU4Y	37	FCM2-1808N-SZU4Y
FCM1-1805C-AZU4Y	40	FCM2-1808C-AZU4Y
FCM1-1805C-BZU4Y	78	FCM2-1808C-BZU4Y
ICM1-1805N-AZU4Y	33	ICM2-1808N-AZU4Y
ICM1-1805N-BZU4Y	34	ICM2-1808N-BZU4Y
ICM1-1805P-AZU4Y	35	ICM2-1808P-AZU4Y
ICM1-1805P-BZU4Y	36	ICM2-1808P-BZU4Y
ICM1-1805P-SZU4Y	38	ICM2-1808P-SZU4Y
ICM1-1805N-SZU4Y	37	ICM2-1808N-SZU4Y

FCM*.*****Z**Y
Z= 7/8-16UN2A
R=M12x1

Approx.251 g	Approx.283 g
--------------	--------------

M 18	
●	○
5 mm	8 mm
stainless steel or nickel plated brass	
●	



10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
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	

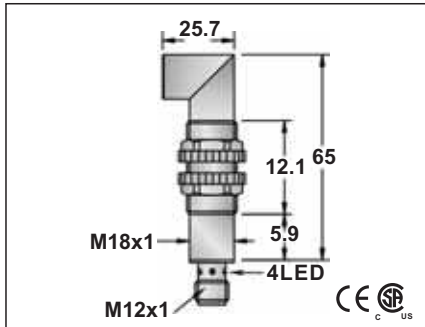
FCM1-1805N-ARU4Y	33	FCM2-1808N-ARU4Y
FCM1-1805N-BRU4Y	34	FCM2-1808N-BRU4Y
FCM1-1805P-ARU4Y	35	FCM2-1808P-ARU4Y
FCM1-1805P-BRU4Y	36	FCM2-1808P-BRU4Y
FCM1-1805P-SRU4Y	38	FCM2-1808P-SRU4Y
FCM1-1805N-SRU4Y	37	FCM2-1808N-SRU4Y
FCM1-1805C-ARU4Y	40	FCM2-1808C-ARU4Y
FCM1-1805C-BRU4Y	78	FCM2-1808C-BRU4Y
ICM1-1805N-ARU4Y	33	ICM2-1808N-ARU4Y
ICM1-1805N-BRU4Y	34	ICM2-1808N-BRU4Y
ICM1-1805P-ARU4Y	35	ICM2-1808P-ARU4Y
ICM1-1805P-BRU4Y	36	ICM2-1808P-BRU4Y
ICM1-1805P-SRU4Y	38	ICM2-1808P-SRU4Y
ICM1-1805N-SRU4Y	37	ICM2-1808N-SRU4Y

1. Voltage Drop:<1.5V(10-30V),<1V(5-36V),<2V(10-55V).
2. 10-55V type: no load current < 20mA.

Approx.94 g	Approx.91 g
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DC INDUCTIVE PROXIMITY SWITCH CONNECTOR TYPE

M 18	
●	○
5 mm	8 mm
stainless steel or nickel plated brass	
●	

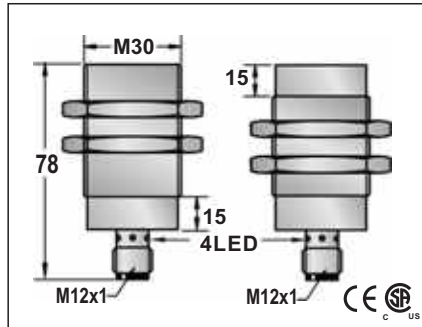


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCM1-1805N-ARU4Z	33	FCM2-1808N-ARU4Z
FCM1-1805N-BRU4Z	34	FCM2-1808N-BRU4Z
FCM1-1805P-ARU4Z	35	FCM2-1808P-ARU4Z
FCM1-1805P-BRU4Z	36	FCM2-1808P-BRU4Z
FCM1-1805P-SRU4Z	38	FCM2-1808P-SRU4Z
FCM1-1805N-SRU4Z	37	FCM2-1808N-SRU4Z
FCM1-1805C-ARU4Z	40	FCM2-1808C-ARU4Z
FCM1-1805C-BRU4Z	78	FCM2-1808C-BRU4Z
HCM1-1805N-ARU4Z	33	HCM2-1808N-ARU4Z
HCM1-1805N-BRU4Z	34	HCM2-1808N-BRU4Z
HCM1-1805P-ARU4Z	35	HCM2-1808P-ARU4Z
HCM1-1805P-BRU4Z	36	HCM2-1808P-BRU4Z
ICM1-1805N-ARU4Z	33	ICM2-1808N-ARU4Z
ICM1-1805N-BRU4Z	34	ICM2-1808N-BRU4Z
ICM1-1805P-ARU4Z	35	ICM2-1808P-ARU4Z
ICM1-1805P-BRU4Z	36	ICM2-1808P-BRU4Z
ICM1-1805P-SRU4Z	38	ICM2-1808P-SRU4Z
ICM1-1805N-SRU4Z	37	ICM2-1808N-SRU4Z

Approx.94 g	
Approx.91 g	

M 30	
●	○
10 mm	15 mm
stainless steel or nickel plated brass	
●	



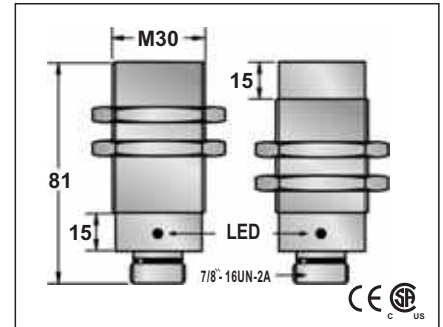
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCM1-3010N-ARU4	33	FCM2-3015N-ARU4
FCM1-3010N-BRU4	34	FCM2-3015N-BRU4
FCM1-3010P-ARU4	35	FCM2-3015P-ARU4
FCM1-3010P-BRU4	36	FCM2-3015P-BRU4
FCM1-3010P-SRU4	38	FCM2-3015P-SRU4
FCM1-3010N-SRU4	37	FCM2-3015N-SRU4
FCM1-3010C-ARU4	40	FCM2-3015C-ARU4
FCM1-3010C-BRU4	78	FCM2-3015C-BRU4
HCM1-3010N-ARU4	33	HCM2-3015N-ARU4
HCM1-3010N-BRU4	34	HCM2-3015N-BRU4
HCM1-3010P-ARU4	35	HCM2-3015P-ARU4
HCM1-3010P-BRU4	36	HCM2-3015P-BRU4
ICM1-3010N-ARU4	33	ICM2-3015N-ARU4
ICM1-3010N-BRU4	34	ICM2-3015N-BRU4
ICM1-3010P-ARU4	35	ICM2-3015P-ARU4
ICM1-3010P-BRU4	36	ICM2-3015P-BRU4
ICM1-3010P-SRU4	38	ICM2-3015P-SRU4
ICM1-3010N-SRU4	37	ICM2-3015N-SRU4

Approx.187 g	
Approx.179 g	

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

M 30	
●	○
10 mm	15 mm
stainless steel or nickel plated brass	
●	



10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
0.5ms/0.5ms	1ms/1ms
300HZ	150HZ
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
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	

FCM1-3010N-AZU4	41	FCM2-3015N-AZU4
FCM1-3010N-BZU4	42	FCM2-3015N-BZU4
FCM1-3010P-AZU4	43	FCM2-3015P-AZU4
FCM1-3010P-BZU4	44	FCM2-3015P-BZU4
FCM1-3010P-SZU4	46	FCM2-3015P-SZU4
FCM1-3010N-SZU4	45	FCM2-3015N-SZU4
FCM1-3010C-AZU4	47	FCM2-3015C-AZU4
FCM1-3010C-BZU4	79	FCM2-3015C-BZU4
HCM1-3010N-AZU4	41	HCM2-3015N-AZU4
HCM1-3010N-BZU4	42	HCM2-3015N-BZU4
HCM1-3010P-AZU4	43	HCM2-3015P-AZU4
HCM1-3010P-BZU4	44	HCM2-3015P-BZU4
ICM1-3010N-AZU4	41	ICM2-3015N-AZU4
ICM1-3010N-BZU4	42	ICM2-3015N-BZU4
ICM1-3010P-AZU4	43	ICM2-3015P-AZU4
ICM1-3010P-BZU4	44	ICM2-3015P-BZU4
ICM1-3010P-SZU4	46	ICM2-3015P-SZU4
ICM1-3010N-SZU4	45	ICM2-3015N-SZU4

Approx.187 g	
Approx.179 g	

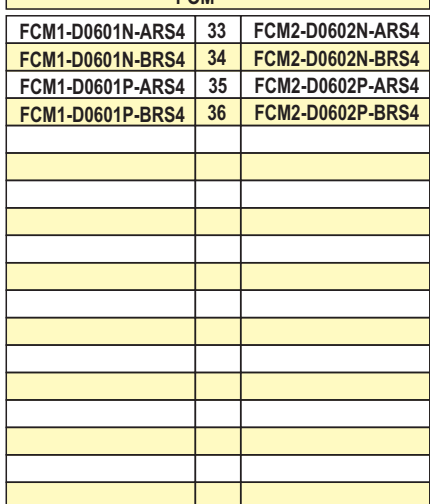
1. Voltage Drop:<1.5V(10-30V),<1V(5-36V), <2V(10-55V).
2. 10-55V type: no load current < 20mA.

ø 6.5	
1 mm, 1.5mm	2 mm, 2.5mm
stainless steel only	

[illegible]

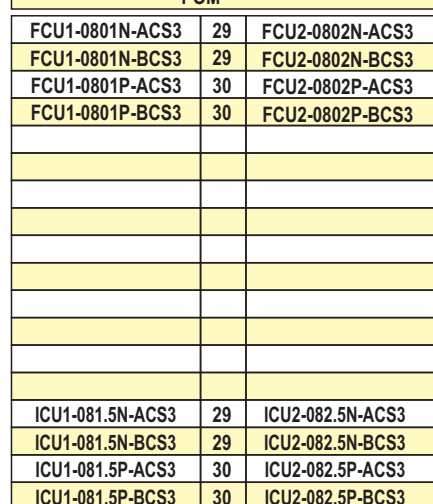
Approx.14 g

ø 6.5	
	
1 mm , 1.5mm	2 mm , 2.5mm
stainless steel only	
	



Approx.20 g

M 8	
	
1 mm , 1,5mm	2 mm , 2,5mm
stainless steel only	
	



Approx.12 g

M 8

FCM1-0801N-ARS4	33	FCM2-0802N-ARS4
FCM1-0801N-BRS4	34	FCM2-0802N-BRS4
FCM1-0801P-ARS4	35	FCM2-0802P-ARS4
FCM1-0801P-BRS4	36	FCM2-0802P-BRS4
ICM1-0801.5N-ARS4	33	ICM2-0802.5N-ARS4
ICM1-0801.5N-BRS4	34	ICM2-0802.5N-BRS4
ICM1-0801.5P-ARS4	35	ICM2-0802.5P-ARS4
ICM1-0801.5P-BRS4	36	ICM2-0802.5P-BRS4

Ø11

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

- Front view (left): Shows a cylindrical body with a diameter of $\phi 11$ and a total height of 50. The base is labeled M12x1. Four LEDs are indicated near the base.
- Side view (right): Shows the same fixture from the side, with a height of 50 and a mounting bracket dimension of 8. The base is also labeled M12x1.
- CE and RoHS marks are present in the bottom right corner.

FCM1-D1102N-ARS4	33	FCM2-D1104N-ARS4
FCM1-D1102N-BRS4	34	FCM2-D1104N-BRS4
FCM1-D1102P-ARS4	35	FCM2-D1104P-ARS4
FCM1-D1102P-BRS4	36	FCM2-D1104P-BRS4
ICM1-D1102N-ARS4	33	ICM2-D1104N-ARS4
ICM1-D1102N-BRS4	34	ICM2-D1104N-BRS4
ICM1-D1102P-ARS4	35	ICM2-D1104P-ARS4
ICM1-D1102P-BRS4	36	ICM2-D1104P-BRS4
ICM1-D1102P-SRS4	38	ICM2-D1104P-SRS4
ICM1-D1102N-SRS4	37	ICM2-D1104N-SRS4

M 12

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

- Front View (Left):** Shows a total height of 50 mm. The mounting bracket at the top is labeled M12x1. The base is also labeled M12x1. Two small circles represent the LEDs, labeled 4LED.
- Side View (Right):** Shows a total height of 50 mm. The mounting bracket at the top is labeled M12x1. The base is also labeled M12x1. The distance from the top of the mounting bracket to the top of the main body is 8 mm. The distance from the top of the main body to the bottom of the base is 17 mm. The distance from the bottom of the base to the bottom of the mounting bracket is 10 mm. The two small circles represent the LEDs, labeled 4LED.
- CE Marking:** A CE mark is present in the bottom right corner, indicating compliance with European standards.

FCM1-1202N-ARS4	33	FCM2-1204N-ARS4
FCM1-1202N-BRS4	34	FCM2-1204N-BRS4
FCM1-1202P-ARS4	35	FCM2-1204P-ARS4
FCM1-1202P-BRS4	36	FCM2-1204P-BRS4
ICM1-1202N-ARS4	33	ICM2-1204N-ARS4
ICM1-1202N-BRS4	34	ICM2-1204N-BRS4
ICM1-1202P-ARS4	35	ICM2-1204P-ARS4
ICM1-1202P-BRS4	36	ICM2-1204P-BRS4
ICM1-1202P-SRS4	38	ICM2-1204P-SRS4
ICM1-1202N-SRS4	37	ICM2-1204N-SRS4

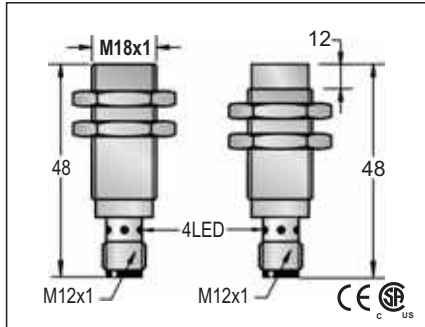
Approx.23 g

M18、M30、Q20x32x10

DC INDUCTIVE SHORT FORM PROXIMITY SWITCH CONNECTOR TYPE

DC INDUCTIVE SHORT FORM PROXIMITY SWITCH CONNECTOR TYPE

M 18	
●	○
5 mm	8 mm
stainless steel or nickel plated brass	
●	



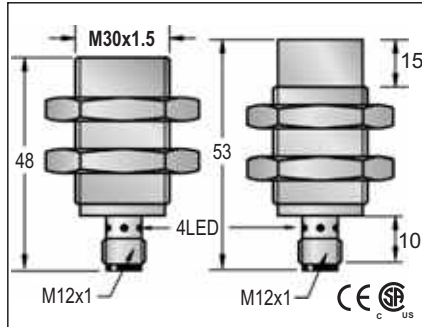
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCM1-1805N-ARS4	33	FCM2-1808N-ARS4
FCM1-1805N-BRS4	34	FCM2-1808N-BRS4
FCM1-1805P-ARS4	35	FCM2-1808P-ARS4
FCM1-1805P-BRS4	36	FCM2-1808P-BRS4
FCM1-1805P-SRS4	38	FCM2-1808P-SRS4
FCM1-1805N-SRS4	37	FCM2-1808N-SRS4
FCM1-1805C-ARS4	40	FCM2-1808C-ARS4
FCM1-1805C-BRS4	78	FCM2-1808C-BRS4
HCM1-1805N-ARS4	33	HCM2-1808N-ARS4
HCM1-1805N-BRS4	34	HCM2-1808N-BRS4
HCM1-1805P-ARS4	35	HCM2-1808P-ARS4
HCM1-1805P-BRS4	36	HCM2-1808P-BRS4
ICM1-1805N-ARS4	33	ICM2-1808N-ARS4
ICM1-1805N-BRS4	34	ICM2-1808N-BRS4
ICM1-1805P-ARS4	35	ICM2-1808P-ARS4
ICM1-1805P-BRS4	36	ICM2-1808P-BRS4
ICM1-1805P-SRS4	38	ICM2-1808P-SRS4
ICM1-1805N-SRS4	37	ICM2-1808N-SRS4

1. Voltage Drop: <1.5V(10-30V), <1V(5-36V), <2V(10-55V).
2. 10-55V type: No Load Current < 20mA.

Approx.50 g

M 30	
●	○
10 mm	15 mm
stainless steel or nickel plated brass	
●	



10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
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	

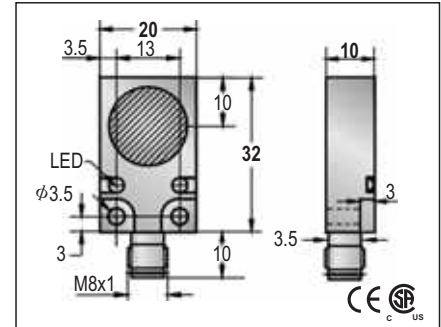
FCM1-3010N-ARS4	33	FCM2-3015N-ARS4
FCM1-3010N-BRS4	34	FCM2-3015N-BRS4
FCM1-3010P-ARS4	35	FCM2-3015P-ARS4
FCM1-3010P-BRS4	36	FCM2-3015P-BRS4
FCM1-3010P-SRS4	38	FCM2-3015P-SRS4
FCM1-3010N-SRS4	37	FCM2-3015N-SRS4
FCM1-3010C-ARS4	40	FCM2-3015C-ARS4
FCM1-3010C-BRS4	78	FCM2-3015C-BRS4
HCM1-3010N-ARS4	33	HCM2-3015N-ARS4
HCM1-3010N-BRS4	34	HCM2-3015N-BRS4
HCM1-3010P-ARS4	35	HCM2-3015P-ARS4
HCM1-3010P-BRS4	36	HCM2-3015P-BRS4
ICM1-3010N-ARS4	33	ICM2-3015N-ARS4
ICM1-3010N-BRS4	34	ICM2-3015N-BRS4
ICM1-3010P-ARS4	35	ICM2-3015P-ARS4
ICM1-3010P-BRS4	36	ICM2-3015P-BRS4
ICM1-3010P-SRS4	38	ICM2-3015P-SRS4
ICM1-3010N-SRS4	37	ICM2-3015N-SRS4

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

Approx.111 g

Approx.121 g

20X32X10	
●	○
5 mm	
die-cast	
●	



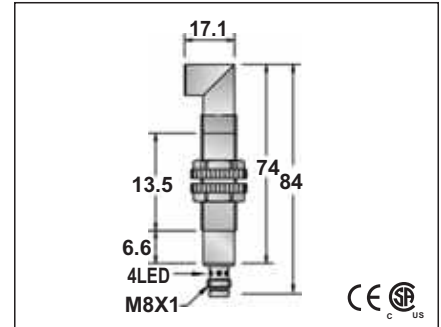
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	
0.2ms/0.2ms	
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FQM1-2005N-ACU3T	29
FQM1-2005N-BCU3T	29
FQM1-2005P-ACU3T	30
FQM1-2005P-BCU3T	30
FQM1-2005P-SCU4T	32
FQM1-2005N-SCU4T	31
FQM1-2005C-ACU3T	39
FQM1-2005C-BCU3T	77

Approx.55 g

DC INDUCTIVE PLASTIC HOUSING CONNECTOR TYPE

M 12	
	
2 mm	4 mm
PBT RESIN	
	



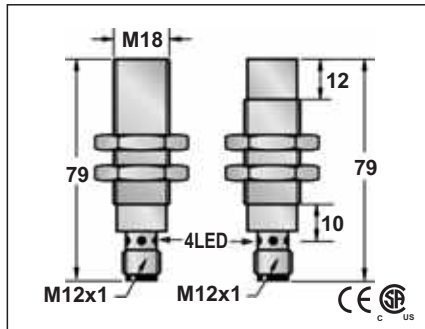
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	

FCP1-1202N-ACU3Z	33	FCP2-1204N-ACU3Z
FCP1-1202N-BCU3Z	34	FCP2-1204N-BCU3Z
FCP1-1202P-ACU3Z	35	FCP2-1204P-ACU3Z
FCP1-1202P-BCU3Z	36	FCP2-1204P-BCU3Z
FCP1-1202P-SCU4Z	38	FCP2-1204P-SCU4Z
FCP1-1202N-SCU4Z	37	FCP2-1204N-SCU4Z
FCP1-1202C-ACU3Z	40	FCP2-1204C-ACU3Z
FCP1-1202C-BCU3Z	78	FCP2-1204C-BCU3Z
ICP1-1202N-ACU3Z	33	ICP2-1204N-ACU3Z
ICP1-1202N-BCU3Z	34	ICP2-1204N-BCU3Z
ICP1-1202P-ACU3Z	35	ICP2-1204P-ACU3Z
ICP1-1202P-BCU3Z	36	ICP2-1204P-BCU3Z

Approx.14 g

DC INDUCTIVE PLASTIC HOUSING CONNECTOR TYPE

M 18	
●	○
5 mm	8 mm
PBT RESIN	
●	



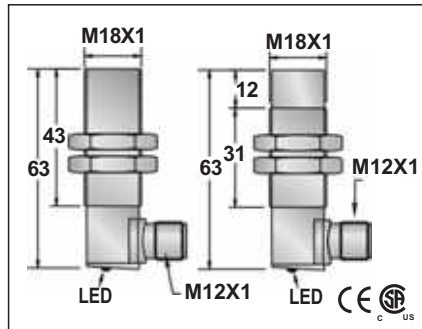
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCP1-1805N-ARU4	33	FCP2-1808N-ARU4
FCP1-1805N-BRU4	34	FCP2-1808N-BRU4
FCP1-1805P-ARU4	35	FCP2-1808P-ARU4
FCP1-1805P-BRU4	36	FCP2-1808P-BRU4
FCP1-1805P-SRU4	38	FCP2-1808P-SRU4
FCP1-1805N-SRU4	37	FCP2-1808N-SRU4
FCP1-1805C-ARU4	40	FCP2-1808C-ARU4
FCP1-1805C-BRU4	78	FCP2-1808C-BRU4
ICP1-1805N-ARU4	33	ICP2-1808N-ARU4
ICP1-1805N-BRU4	34	ICP2-1808N-BRU4
ICP1-1805P-ARU4	35	ICP2-1808P-ARU4
ICP1-1805P-BRU4	36	ICP2-1808P-BRU4

1. Voltage Drop: <1.5V(10-30V), <1V(5-36V), <2V(10-55V).
2. 10-55V type: No Load Current < 20mA.

Approx.35 g

M 18	
●	○
5 mm	8 mm
PBT RESIN	
●	



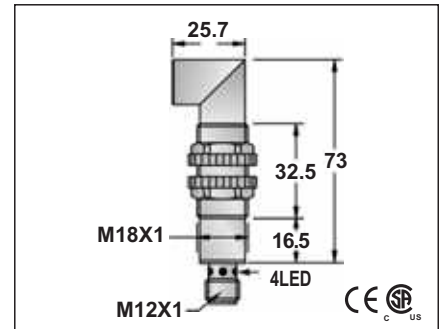
10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCP1-1805N-ARU4Y	33	FCP2-1808N-ARU4Y
FCP1-1805N-BRU4Y	34	FCP2-1808N-BRU4Y
FCP1-1805P-ARU4Y	35	FCP2-1808P-ARU4Y
FCP1-1805P-BRU4Y	36	FCP2-1808P-BRU4Y
FCP1-1805P-SRU4Y	38	FCP2-1808P-SRU4Y
FCP1-1805N-SRU4Y	37	FCP2-1808N-SRU4Y
FCP1-1805C-ARU4Y	40	FCP2-1808C-ARU4Y
FCP1-1805C-BRU4Y	78	FCP2-1808C-BRU4Y
ICP1-1805N-ARU4Y	33	ICP2-1808N-ARU4Y
ICP1-1805N-BRU4Y	34	ICP2-1808N-BRU4Y
ICP1-1805P-ARU4Y	35	ICP2-1808P-ARU4Y
ICP1-1805P-BRU4Y	36	ICP2-1808P-BRU4Y

Please see Page 18 for details and specifications of DC 2-Wire models on this page.

Approx.35 g

M 18	
●	○
5 mm	8 mm
PBT RESIN	
●	

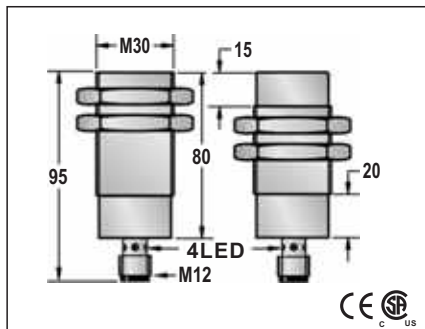


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
<1.5V or <1.0V or <2.0V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

FCP1-1805N-ARU4Z	33	FCP2-1808N-ARU4Z
FCP1-1805N-BRU4Z	34	FCP2-1808N-BRU4Z
FCP1-1805P-ARU4Z	35	FCP2-1808P-ARU4Z
FCP1-1805P-BRU4Z	36	FCP2-1808P-BRU4Z
FCP1-1805P-SRU4Z	38	FCP2-1808P-SRU4Z
FCP1-1805N-SRU4Z	37	FCP2-1808N-SRU4Z
FCP1-1805C-ARU4Z	40	FCP2-1808C-ARU4Z
FCP1-1805C-BRU4Z	78	FCP2-1808C-BRU4Z

Approx.35 g

M 30	
10 mm	15 mm
PBT RESIN	

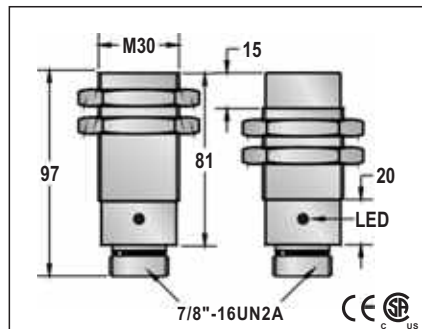


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
-	
<1.5V or	<1.0V or <2.0V
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
PBT	

[illegible]

- | |
|--------------|
| Approx.120 g |
|--------------|

M 30	
	
10 mm	15 mm
PBT RESIN	
	

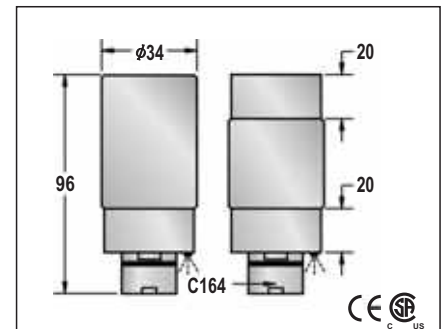


10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
-	
<1.5V or	<1.0V or <2.0V
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
PBT	

[illegible]

Approx.120 g

ø 34	
	
15 mm	20 mm
PBT RESIN	
	



10-30VDC or 5-36VDC or 10-55VDC	
<10%	
<10mA	<20mA
200mA	
<0.01mA	
-	
-	
<1.5V or <1.0V or <2.0V	
300HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<15%(Sr)	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
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]

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Approx.162 g
