

# PART F-01 ~ F-17

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.

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

AC 2 wire 20-250V N.C.

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

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

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

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

Remark

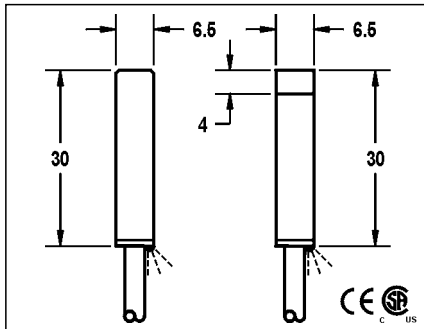
Cable 2M (PVC)

Weight

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

# DC SHORT BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH

φ6.5	
●	○
2 mm	4 mm
stainless steel	
●	

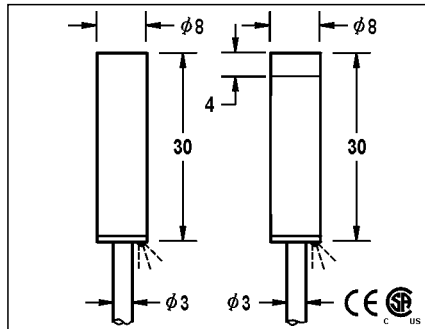


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	

ECU1-D0602N-A3S2	1	ECU2-D0604N-A3S2
ECU1-D0602N-B3S2	2	ECU2-D0604N-B3S2
ECU1-D0602P-A3S2	3	ECU2-D0604P-A3S2
ECU1-D0602P-B3S2	4	ECU2-D0604P-B3S2

3φ3x0.15	
Approx.40 g	

φ8	
●	○
2 mm	4 mm
stainless steel	
●	

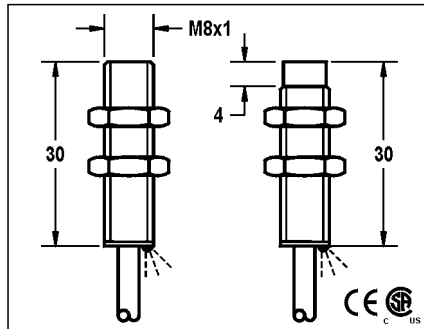


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	

ECU1-D0802N-A3S2	1	ECU2-D0804N-A3S2
ECU1-D0802N-B3S2	2	ECU2-D0804N-B3S2
ECU1-D0802P-A3S2	3	ECU2-D0804P-A3S2
ECU1-D0802P-B3S2	4	ECU2-D0804P-B3S2

3φ3x0.15	
Approx.45 g	

M8	
●	○
2 mm	4 mm
stainless steel	
●	



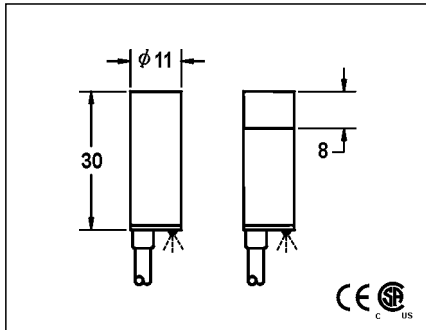
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%	
<1.0%(Sr)	
IP67	
-25 °C - +70 °C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	

ECU1-0802N-A3S2	1	ECU2-0804N-A3S2
ECU1-0802N-B3S2	2	ECU2-0804N-B3S2
ECU1-0802P-A3S2	3	ECU2-0804P-A3S2
ECU1-0802P-B3S2	4	ECU2-0804P-B3S2

3φ3x0.15	
Approx.47 g	

# DC SHORT BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH

φ11	
●	○
4 mm	8 mm
nickel plated brass	
●	

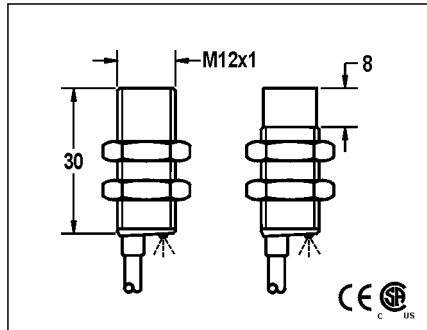


10-30VDC		
<10%		
<10mA		
200mA		
<0.01mA		
-		
<1.5V		
1KHZ	500HZ	
0.2ms/0.2ms	0.5ms/0.5ms	
<15%		
<1.0%(Sr)		
IP67		
-25 °C - +70 °C		
<10%(Sr)		
YES		
220mA		
<10ms		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		
POM		
ECM1-D1104N-A3S2	1	ECM2-D1108N-A3S2
ECM1-D1104N-B3S2	2	ECM2-D1108N-B3S2
ECM1-D1104P-A3S2	3	ECM2-D1108P-A3S2
ECM1-D1104P-B3S2	4	ECM2-D1108P-B3S2
ECM1-D1104P-S4S2	6	ECM2-D1108P-S4S2
ECM1-D1104N-S4S2	5	ECM2-D1108N-S4S2
ECM1-D1104C-A2S2	7	ECM2-D1108C-A2S2
ECM1-D1104C-B2S2	8	ECM2-D1108C-B2S2

DC 2 wire type see page 17

4 φ3x0.34
Approx.58 g

M12	
●	○
4 mm	8 mm
nickel plated brass	
●	

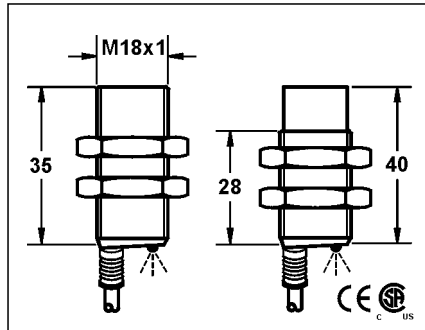


10-30VDC		
<10%		
<10mA		
200mA		
<0.01mA		
-		
<1.5V		
1KHZ	500HZ	
0.2ms/0.2ms	0.5ms/0.5ms	
<15%		
<1.0%(Sr)		
IP67		
-25 °C - +70 °C		
<10%(Sr)		
YES		
220mA		
<10ms		
RFI>3V/m / EFT>1KV / ESD>4KV (contact)		
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2		
POM		
ECM1-1204N-A3S2	1	ECM2-1208N-A3S2
ECM1-1204N-B3S2	2	ECM2-1208N-B3S2
ECM1-1204P-A3S2	3	ECM2-1208P-A3S2
ECM1-1204P-B3S2	4	ECM2-1208P-B3S2
ECM1-1204P-S4S2	6	ECM2-1208P-S4S2
ECM1-1204N-S4S2	5	ECM2-1208N-S4S2
ECM1-1204C-A2S2	7	ECM2-1208C-A2S2
ECM1-1204C-B2S2	8	ECM2-1208C-B2S2

DC 2 wire type see page 17

4 φ3x0.34
Approx.62 g

M18	
●	○
8 mm	16 mm
nickel plated brass	
●	



10-30VDC		
<10%		
<10mA		
200mA		
<0.01mA		
-		
<1.5V		
500HZ	500HZ	
0.5ms/0.5ms	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		
ECM1-1808N-A3S2	1	ECM2-1816N-A3S2
ECM1-1808N-B3S2	2	ECM2-1816N-B3S2
ECM1-1808P-A3S2	3	ECM2-1816P-A3S2
ECM1-1808P-B3S2	4	ECM2-1816P-B3S2
ECM1-1808P-S4S2	6	ECM2-1816P-S4S2
ECM1-1808N-S4S2	5	ECM2-1816N-S4S2
ECM1-1808C-A2S2	7	ECM2-1816C-A2S2
ECM1-1808C-B2S2	8	ECM2-1816C-B2S2

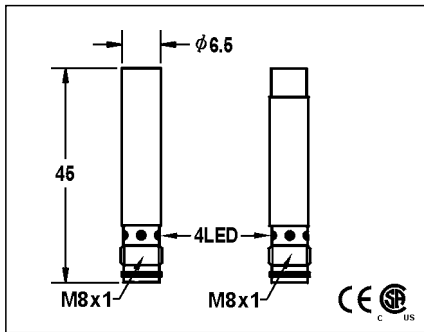
DC 2 wire type see page 17

5.0 φ44x0.1
Approx.132 g



# DC SHORT BODY WITH EXTENDED SENSING DISTANCE CONNECTOR TYPE

φ6.5	
● 2 mm	○ 4 mm
stainless steel	
●	



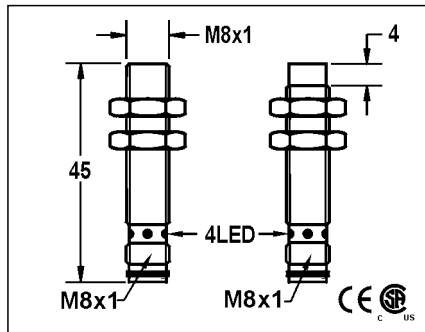
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	

2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<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	
POM	

ECU1-D0602N-ACS3	25	ECU2-D0604N-ACS3
ECU1-D0602N-BCS3	25	ECU2-D0604N-BCS3
ECU1-D0602P-ACS3	26	ECU2-D0604P-ACS3
ECU1-D0602P-BCS2	26	ECU2-D0604P-BCS3

Approx.14 g

M8	
● 2 mm	○ 4mm
stainless steel	
●	



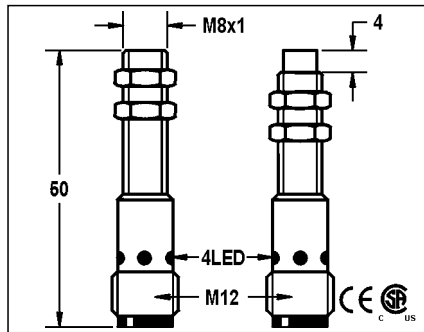
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	

2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<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	
POM	

ECU1-0802N-ACS3	25	ECU2-0804N-ACS3
ECU1-0802N-BCS3	25	ECU2-0804N-BCS3
ECU1-0802P-ACS3	26	ECU2-0804P-ACS3
ECU1-0802P-BCS3	26	ECU2-0804P-BCS3

Approx.14 g

M8	
● 2 mm	○ 4mm
stainless steel or nickel plated brass	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	

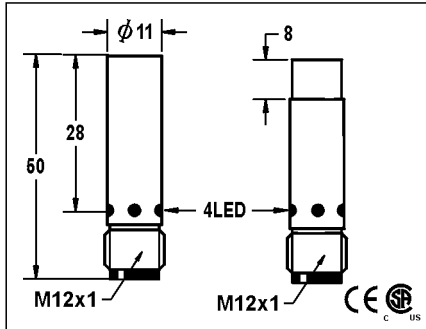
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	

ECU1-0802N-ARS4	25	ECU2-0804N-ARS4
ECU1-0802N-BRS4	25	ECU2-0804N-BRS4
ECU1-0802P-ARS4	26	ECU2-0804P-ARS4
ECU1-0802P-BRS4	26	ECU2-0804P-BRS4

Approx.17 g

DC SHORT BODY WITH EXTENDED SENSING DISTANCE CONNECTOR TYPE

<b>φ11</b>	
4 mm	8 mm
nickel plated brass	



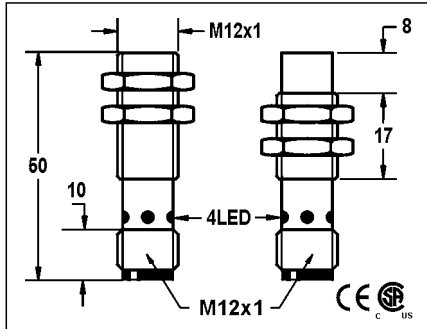
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	

POM		
ECM1-D1104N-ARS4	29	ECM2-D1108N-ARS4
ECM1-D1104N-BRS4	30	ECM2-D1108N-BRS4
ECM1-D1104P-ARS4	31	ECM2-D1108P-ARS4
ECM1-D1104P-BRS4	32	ECM2-D1108P-BRS4
ECM1-D1104P-SRS4	34	ECM2-D1108P-SRS4
ECM1-D1104N-SRS4	33	ECM2-D1108N-SRS4
ECM1-D1104C-ARS4	36	ECM2-D1108C-ARS4
ECM1-D1104C-BRS4	74	ECM2-D1108C-BRS4

DC 2 wire type see page 17

Approx.24 g

<b>M12</b>	
4 mm	8 mm
nickel plated brass	



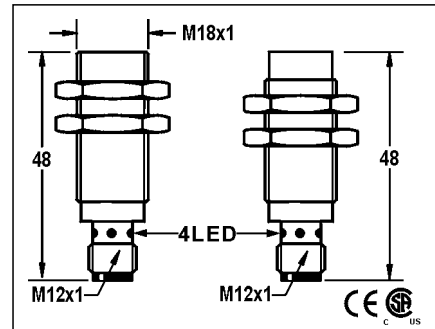
10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	

POM		PBT	
ECM1-1204N-ARS4	29	ECM2-1208N-ARS4	
ECM1-1204N-BRS4	30	ECM2-1208N-BRS4	
ECM1-1204P-ARS4	31	ECM2-1208P-ARS4	
ECM1-1204P-BRS4	32	ECM2-1208P-BRS4	
ECM1-1204P-SRS4	34	ECM2-1208P-SRS4	
ECM1-1204N-SRS4	33	ECM2-1208N-SRS4	
ECM1-1204C-ARS4	36	ECM2-1208C-ARS4	
ECM1-1204C-BRS4	74	ECM2-1208C-BRS4	

DC 2 wire type see page 17

Approx.25 g

<b>M18</b>	
8 mm	16 mm
nickel plated brass	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
500HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<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		
ECM1-1808N-ARS4	29	ECM2-1816N-ARS4
ECM1-1808N-BRS4	30	ECM2-1816N-BRS4
ECM1-1808P-ARS4	31	ECM2-1816P-ARS4
ECM1-1808P-BRS4	32	ECM2-1816P-BRS4
ECM1-1808P-SRS4	34	ECM2-1816P-SRS4
ECM1-1808N-SRS4	33	ECM2-1816N-SRS4
ECM1-1808C-ARS4	36	ECM2-1816C-ARS4
ECM1-1808C-BRS4	74	ECM2-1816C-BRS4

DC 2 wire type see page 17




Approx.50 g

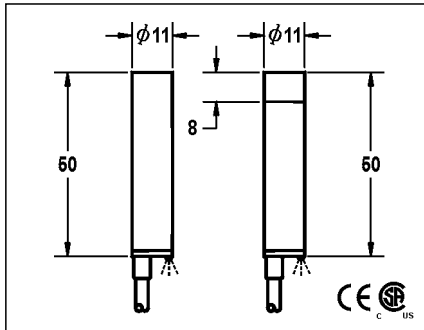






DC STANDARD BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH




φ11	
	
4 mm	8 mm
nickel plated brass	
	

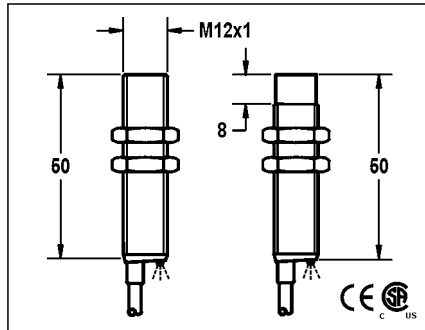


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	
ECM1-D1104N-A3U2	1
ECM1-D1104N-B3U2	2
ECM1-D1104P-A3U2	3
ECM1-D1104P-B3U2	4
ECM1-D1104P-S4U2	6
ECM1-D1104N-S4U2	5
ECM1-D1104C-A2U2	7
ECM1-D1104C-B2U2	8
ECM2-D1108N-A3U2	
ECM2-D1108N-B3U2	
ECM2-D1108P-A3U2	
ECM2-D1108P-B3U2	
ECM2-D1108P-S4U2	
ECM2-D1108N-S4U2	
ECM2-D1108C-A2U2	
ECM2-D1108C-B2U2	

DC 2 wire type see page 17

4 φ3x0.34
Approx.55 g




M12	
	
4 mm	8 mm
nickel plated brass	
	

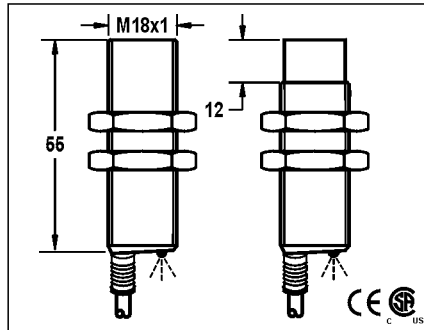


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
2KHZ	1KHZ
0.1ms/0.1ms	0.2ms/0.2ms
<15%	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2	
POM	PBT
ECM1-1204N-A3U2	1
ECM1-1204N-B3U2	2
ECM1-1204P-A3U2	3
ECM1-1204P-B3U2	4
ECM1-1204P-S4U2	6
ECM1-1204N-S4U2	5
ECM1-1204C-A2U2	7
ECM1-1204C-B2U2	8
ECM2-1208N-A3U2	
ECM2-1208N-B3U2	
ECM2-1208P-A3U2	
ECM2-1208P-B3U2	
ECM2-1208P-S4U2	
ECM2-1208N-S4U2	
ECM2-1208C-A2U2	
ECM2-1208C-B2U2	

DC 2 wire type see page 17

4 φ3x0.34
Approx.67 g
Approx.67 g

M18	
	
8 mm	16 mm
nickel plated brass	
	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
500HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<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	
ECM1-1808N-A3U2	1
ECM1-1808N-B3U2	2
ECM1-1808P-A3U2	3
ECM1-1808P-B3U2	4
ECM1-1808P-S4U2	6
ECM1-1808N-S4U2	5
ECM1-1808C-A2U2	7
ECM1-1808C-B2U2	8
ECM2-1816N-A3U2	
ECM2-1816N-B3U2	
ECM2-1816P-A3U2	
ECM2-1816P-B3U2	
ECM2-1816P-S4U2	
ECM2-1816N-S4U2	
ECM2-1816C-A2U2	
ECM2-1816C-B2U2	

DC 2 wire type see page 17

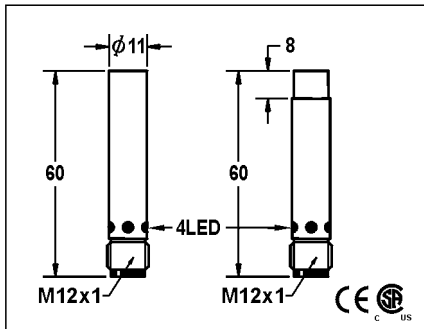
5.0 φ44x0.1
Approx.153 g
Approx.144 g





DC STANDARD BODY WITH EXTENDED SENSING DISTANCE CONNECTOR TYPE

φ11	
●	○
4 mm	8 mm
nickel plated brass	
●	

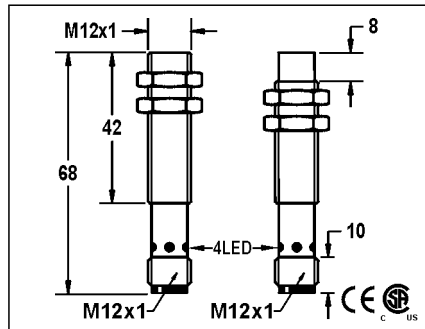


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
POM	

ECM1-D1104N-ARU4	29	ECM2-D1108N-ARU4
ECM1-D1104N-BRU4	30	ECM2-D1108N-BRU4
ECM1-D1104P-ARU4	31	ECM2-D1108P-ARU4
ECM1-D1104P-BRU4	32	ECM2-D1108P-BRU4
ECM1-D1104P-SRU4	34	ECM2-D1108P-SRU4
ECM1-D1104N-SRU4	33	ECM2-D1108N-SRU4
ECM1-D1104C-ARU4	36	ECM2-D1108C-ARU4
ECM1-D1104C-BRU4	74	ECM2-D1108C-BRU4

DC 2 wire type see page 17
Approx.30 g

M12	
●	○
4 mm	8 mm
nickel plated brass	
●	

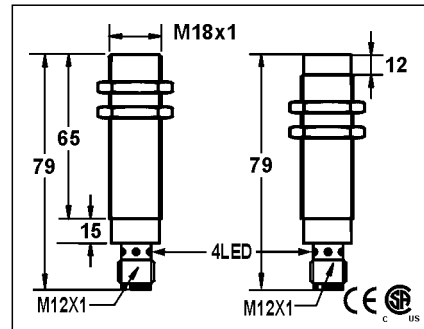


10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
1KHZ	500HZ
0.2ms/0.2ms	0.5ms/0.5ms
<15%	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
YES	
220mA	
<10ms	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
POM	PBT

ECM1-1204N-ARU4	29	ECM2-1208N-ARU4
ECM1-1204N-BRU4	30	ECM2-1208N-BRU4
ECM1-1204P-ARU4	31	ECM2-1208P-ARU4
ECM1-1204P-BRU4	32	ECM2-1208P-BRU4
ECM1-1204P-SRU4	34	ECM2-1208P-SRU4
ECM1-1204N-SRU4	33	ECM2-1208N-SRU4
ECM1-1204C-ARU4	36	ECM2-1208C-ARU4
ECM1-1204C-BRU4	74	ECM2-1208C-BRU4

DC 2 wire type see page 17
Approx.31 g

M18	
●	○
8mm	16mm
nickel plated brass	
●	



10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
500HZ	150HZ
0.5ms/0.5ms	1ms/1ms
<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	

ECM1-1808N-ARU4	29	ECM2-1816N-ARU4
ECM1-1808N-BRU4	30	ECM2-1816N-BRU4
ECM1-1808P-ARU4	31	ECM2-1816P-ARU4
ECM1-1808P-BRU4	32	ECM2-1816P-BRU4
ECM1-1808P-SRU4	34	ECM2-1816P-SRU4
ECM1-1808N-SRU4	33	ECM2-1816N-SRU4
ECM1-1808C-ARU4	36	ECM2-1816C-ARU4
ECM1-1808C-BRU4	74	ECM2-1816C-BRU4

DC 2 wire type see page 17	
Approx.94 g	Approx.91 g

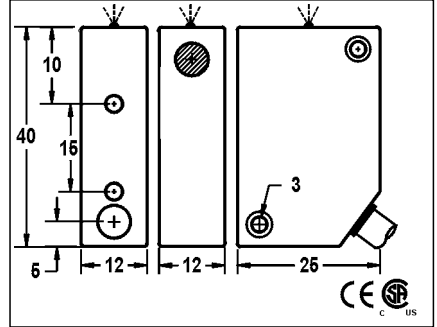
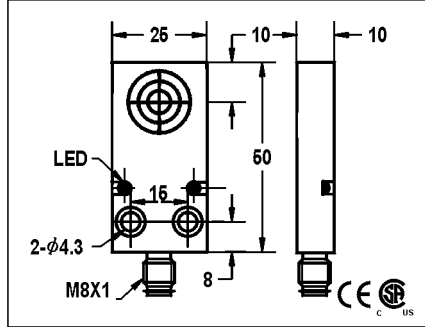
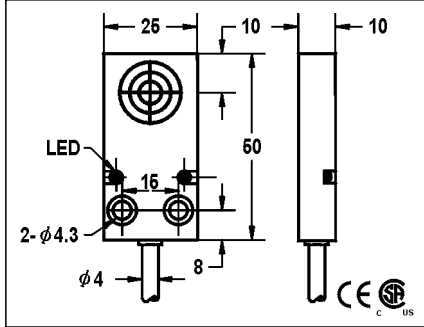


## DC EXTENDED SENSING DISTANCE PROXIMITY SWITCH SQUARE TYPE

<b>Q25x50x10</b>
●
8 mm
die-cast
●

<b>Q25x50x10</b>
●
8 mm
die-cast
●

<b>Q40x25x12</b>	
●	○
4 mm	8 mm
ABS RESIN	
●	



10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
500HZ
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

10-30VDC
<10%
<10mA
200mA
<0.01mA
-
-
<1.5V
500HZ
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

10-30VDC	
<10%	
<10mA	
200mA	
<0.01mA	
-	
-	
<1.5V	
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	
-	

EQM1-2508N-A3U2	1
EQM1-2508N-B3U2	2
EQM1-2508P-A3U2	3
EQM1-2508P-B3U2	4
EQM1-2508P-S4U2	6
EQM1-2508N-S4U2	5
EQM1-2508C-A2U2	7
EQM1-2508C-B2U2	8

EQM1-2508N-ACU3	1
EQM1-2508N-BCU3	2
EQM1-2508P-ACU3	3
EQM1-2508P-BCU3	4
EQM1-2508P-SCU4	28
EQM1-2508N-SCU4	27
EQM1-2508C-ACU3	35
EQM1-2508C-BCU3	73

EQP1-4004N-A3U2	1	EQP2-4008N-A3U2
EQP1-4004N-B3U2	2	EQP2-4008N-B3U2
EQP1-4004P-A3U2	3	EQP2-4008P-A3U2
EQP1-4004P-B3U2	4	EQP2-4008P-B3U2
EQP1-4004P-S4U2	6	EQP2-4008P-S4U2
EQP1-4004N-S4U2	5	EQP2-4008N-S4U2
EQP1-4004C-A2U2	7	EQP2-4008C-A2U2
EQP1-4004C-B2U2	8	EQP2-4008C-B2U2

DC 2 wire type see page 17

4φ 3x0.15  
Approx.90 g

Approx.55 g

4φ 3x0.15  
Approx.60 g

# DC EXTENDED SENSING DISTANCE PROXIMITY SWITCH SQUARE TYPE

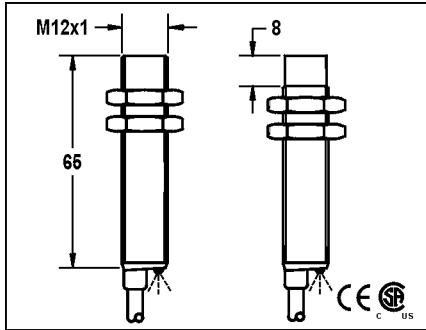
Q40x25x12																								
●	○																							
4 mm	8 mm																							
ABS RESIN																								
●																								
<table border="1"> <tr><td>10-30VDC</td></tr> <tr><td>&lt;10%</td></tr> <tr><td>&lt;10mA</td></tr> <tr><td>200mA</td></tr> <tr><td>&lt;0.01mA</td></tr> <tr><td>-</td></tr> <tr><td>-</td></tr> <tr><td>&lt;1.5V</td></tr> <tr><td>1KHZ</td></tr> <tr><td>500HZ</td></tr> <tr><td>0.2ms/0.2ms</td></tr> <tr><td>0.5ms/0.5ms</td></tr> <tr><td>&lt;15%</td></tr> <tr><td>&lt;1.0%(Sr)</td></tr> <tr><td>IP67</td></tr> <tr><td>-25°C - +70°C</td></tr> <tr><td>&lt;10%(Sr)</td></tr> <tr><td>YES</td></tr> <tr><td>220mA</td></tr> <tr><td>&lt;10ms</td></tr> <tr><td>RFI&gt;3V/m / EFT&gt;1KV / ESD&gt;4KV (contact)</td></tr> <tr><td>IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2</td></tr> <tr><td>-</td></tr> </table>		10-30VDC	<10%	<10mA	200mA	<0.01mA	-	-	<1.5V	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	-
10-30VDC																								
<10%																								
<10mA																								
200mA																								
<0.01mA																								
-																								
-																								
<1.5V																								
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																								
-																								
EQP1-4004N-ACU3	1	EQP2-4008N-ACU3																						
EQP1-4004N-BCU3	2	EQP2-4008N-BCU3																						
EQP1-4004P-ACU3	3	EQP2-4008P-ACU3																						
EQP1-4004P-BCU3	4	EQP2-4008P-BCU3																						
EQP1-4004P-SCU4	28	EQP2-4008P-SCU4																						
EQP1-4004N-SCU4	27	EQP2-4008N-SCU4																						
DC 2 wire type see page 17																								
Approx.55 g																								

Q20x32x10																						
●																						
8 mm																						
die-cast																						
●																						
<table border="1"> <tr><td>10-30VDC</td></tr> <tr><td>&lt;10%</td></tr> <tr><td>&lt;10mA</td></tr> <tr><td>200mA</td></tr> <tr><td>&lt;0.01mA</td></tr> <tr><td>-</td></tr> <tr><td>-</td></tr> <tr><td>&lt;1.5V</td></tr> <tr><td>500HZ</td></tr> <tr><td>0.5ms/0.5ms</td></tr> <tr><td>&lt;15%</td></tr> <tr><td>&lt;1.0%(Sr)</td></tr> <tr><td>IP67</td></tr> <tr><td>-25°C - +70°C</td></tr> <tr><td>&lt;10%(Sr)</td></tr> <tr><td>YES</td></tr> <tr><td>220mA</td></tr> <tr><td>&lt;10ms</td></tr> <tr><td>RFI&gt;3V/m / EFT&gt;1KV / ESD&gt;4KV (contact)</td></tr> <tr><td>IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2</td></tr> <tr><td>PBT</td></tr> </table>		10-30VDC	<10%	<10mA	200mA	<0.01mA	-	-	<1.5V	500HZ	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
10-30VDC																						
<10%																						
<10mA																						
200mA																						
<0.01mA																						
-																						
-																						
<1.5V																						
500HZ																						
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																						
EQM1-2008N-A3U2	1																					
EQM1-2008N-B3U2	2																					
EQM1-2008P-A3U2	3																					
EQM1-2008P-B3U2	4																					
EQM1-2008P-S4U2	6																					
EQM1-2008N-S4U2	5																					
EQM1-2008C-A2U2	7																					
EQM1-2008C-B2U2	8																					
DC 2 wire type see page 17																						
4 φ3x0.15																						
Approx.55 g																						

Q20x32x10																						
●																						
8 mm																						
die-cast																						
●																						
<table border="1"> <tr><td>10-30VDC</td></tr> <tr><td>&lt;10%</td></tr> <tr><td>&lt;10mA</td></tr> <tr><td>200mA</td></tr> <tr><td>&lt;0.01mA</td></tr> <tr><td>-</td></tr> <tr><td>-</td></tr> <tr><td>&lt;1.5V</td></tr> <tr><td>500HZ</td></tr> <tr><td>0.5ms/0.5ms</td></tr> <tr><td>&lt;15%</td></tr> <tr><td>&lt;1.0%(Sr)</td></tr> <tr><td>IP67</td></tr> <tr><td>-25°C - +70°C</td></tr> <tr><td>&lt;10%(Sr)</td></tr> <tr><td>YES</td></tr> <tr><td>220mA</td></tr> <tr><td>&lt;10ms</td></tr> <tr><td>RFI&gt;3V/m / EFT&gt;1KV / ESD&gt;4KV (contact)</td></tr> <tr><td>IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2</td></tr> <tr><td>PBT</td></tr> </table>		10-30VDC	<10%	<10mA	200mA	<0.01mA	-	-	<1.5V	500HZ	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
10-30VDC																						
<10%																						
<10mA																						
200mA																						
<0.01mA																						
-																						
-																						
<1.5V																						
500HZ																						
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																						
EQM1-2008N-ACU3	25																					
EQM1-2008N-BCU3	25																					
EQM1-2008P-ACU3	26																					
EQM1-2008P-BCU3	26																					
EQM1-2008P-SCU4	28																					
EQM1-2008N-SCU4	27																					
DC 2 wire type see page 17																						
Approx.30 g																						

AC STANDARD BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH

<b>M12</b>	
●	○
4 mm	8 mm
nickel plated brass	
●	

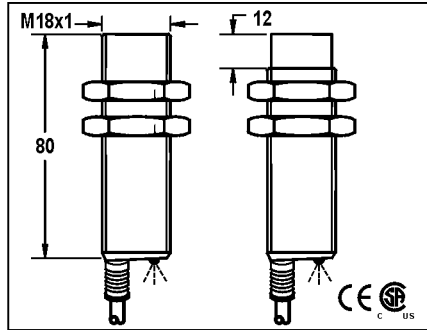


20-250VAC	
-	
<1.8mA	
400mA	
1.8mA	
5A(20ms)	
5mA	
<8VAC AT 400MA	
<25HZ	
10ms/10ms	
<15%	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
-	
-	
-	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
POM	PBT

ECM1-1204A-A3L2	11	ECM2-1208A-A3L2
ECM1-1204A-B3L2	12	ECM2-1208A-B3L2

4φ3x0.34	
Approx.77 g	Approx.76 g

<b>M18</b>	
●	○
8 mm	16 mm
nickel plated brass	
●	

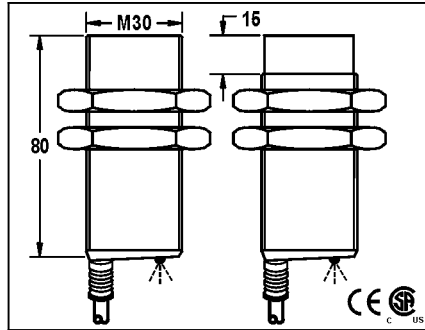


20-250VAC	
-	
<1.8mA	
400mA	
1.8mA	
5A(20ms)	
5mA	
<8VAC AT 400MA	
<25HZ	
10ms/10ms	
<15%	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
-	
-	
-	
RFI>3V/m / EFT>1KV / ESD>4KV (contact)	
IEC 60947-5-2, Part 7.4.1 / IEC 60947-5-2, Part 7.4.2	
PBT	

ECM1-1808A-A3L2	11	ECM2-1816A-A3L2
ECM1-1808A-B3L2	12	ECM2-1816A-B3L2

5.0φ44x0.1	
Approx.161 g	Approx.160 g

<b>M30</b>	
●	○
16 mm	25 mm
nickel plated brass	
●	



20-250VAC	
-	
<1.8mA	
400mA	
1.8mA	
5A(20ms)	
5mA	
<8VAC AT 400MA	
<25HZ	
10ms/10ms	
<15%	
<1.0%(Sr)	
IP67	
-25°C - +70°C	
<10%(Sr)	
-	
-	
-	
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	

ECM1-3016A-A3L2	11	ECM2-3025A-A3L2
ECM1-3016A-B3L2	12	ECM2-3025A-B3L2

5.8φ3x0.5	
Approx.247 g	Approx.237 g





