

PART F-01 ~ F-19

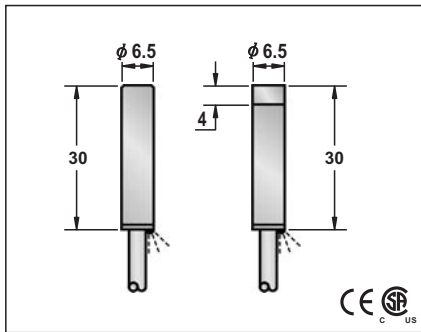
| |
|---------------------------|
| Diameter |
| ● Shielded ○ non-Shielded |
| Switching Distance Sn mm |
| Housing Material |
| ● With LED ○ Without LED |

| |
|-----------------------|
| Dimensions (unit: mm) |
|-----------------------|

| | |
|-----------------------------------------------|-----------------------------------------------------|
| Operating Voltage | 10-30VDC |
| Ripple | <10% |
| No Load Current | <10mA |
| Max. Load Current | 200mA |
| Leakage Current | <0.01mA |
| Surge Current | - |
| Min. Load Current | - |
| Voltage Drop | <1.5V |
| Switching Frequency | 2KHZ 1KHZ |
| Response Time | 0.1ms/0.1ms 0.2ms/0.2ms |
| Switching Hysteresis | <15% |
| Repeat Accuracy | <1.0%(Sr) |
| Protection Category | IP67 |
| Operating Temperature | -25 °C - +70 °C |
| Temperature Drift | <10%(Sr) |
| Short Circuit Protection | YES |
| Overload Trip Point | 220mA |
| Time Delay Before Availability | <10ms |
| EMC | RFI>3V/m / EFT>1KV / ESD>4KV (contact) |
| Shock / Vibration | IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 |
| Material Active Face | POM |
| DC 3 wire 10-30V NPN N.O. | ECU1-D0602N-A3S2 1 ECU2-D0604N-A3S2 |
| DC 3 wire 10-30V NPN N.C. | ECU1-D0602N-B3S2 2 ECU2-D0604N-B3S2 |
| DC 3 wire 10-30V PNP N.O. | ECU1-D0602P-A3S2 3 ECU2-D0604P-A3S2 |
| DC 3 wire 10-30V PNP N.C. | ECU1-D0602P-B3S2 4 ECU2-D0604P-B3S2 |
| 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 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) | 3 φ3x0.15 |
| Weight | Approx.40 g |

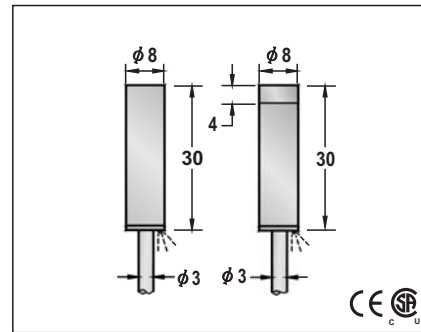
DC SHORT BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH

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



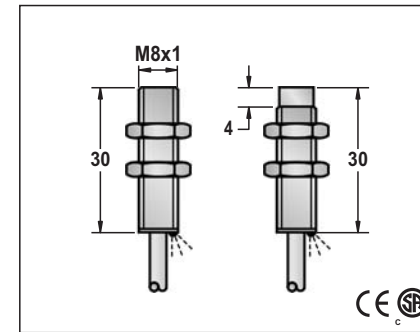
| | |
|-----------------------------------------------|-----------------------------------------------------|
| Operating Voltage | 10-30VDC |
| Ripple | <10% |
| No Load Current | <10mA |
| Max. Load Current | 200mA |
| Leakage Current | <0.01mA |
| Surge Current | - |
| Min. Load Current | - |
| Voltage Drop | <1.5V |
| Switching Frequency | 2KHZ 1KHZ |
| Response Time | 0.1ms/0.1ms 0.2ms/0.2ms |
| Switching Hysteresis | <15% |
| Repeat Accuracy | <1.0%(Sr) |
| Protection Category | IP67 |
| Operating Temperature | -25 °C - +70 °C |
| Temperature Drift | <10%(Sr) |
| Short Circuit Protection | YES |
| Overload Trip Point | 220mA |
| Time Delay Before Availability | <10ms |
| EMC | RFI>3V/m / EFT>1KV / ESD>4KV (contact) |
| Shock / Vibration | IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 |
| Material Active Face | POM |
| DC 3 wire 10-30V NPN N.O. | ECU1-D0802N-A3S2 1 ECU2-D0804N-A3S2 |
| DC 3 wire 10-30V NPN N.C. | ECU1-D0802N-B3S2 2 ECU2-D0804N-B3S2 |
| DC 3 wire 10-30V PNP N.O. | ECU1-D0802P-A3S2 3 ECU2-D0804P-A3S2 |
| DC 3 wire 10-30V PNP N.C. | ECU1-D0802P-B3S2 4 ECU2-D0804P-B3S2 |
| 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 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) | 3 φ3x0.15 |
| Weight | Approx.45 g |

| |
|-----------------|
| φ8 |
| ● ○ |
| 2 mm 4 mm |
| stainless steel |
| ● |



| | |
|-----------------------------------------------|-----------------------------------------------------|
| Operating Voltage | 10-30VDC |
| Ripple | <10% |
| No Load Current | <10mA |
| Max. Load Current | 200mA |
| Leakage Current | <0.01mA |
| Surge Current | - |
| Min. Load Current | - |
| Voltage Drop | <1.5V |
| Switching Frequency | 2KHZ 1KHZ |
| Response Time | 0.1ms/0.1ms 0.2ms/0.2ms |
| Switching Hysteresis | <15% |
| Repeat Accuracy | <1.0%(Sr) |
| Protection Category | IP67 |
| Operating Temperature | -25 °C - +70 °C |
| Temperature Drift | <10%(Sr) |
| Short Circuit Protection | YES |
| Overload Trip Point | 220mA |
| Time Delay Before Availability | <10ms |
| EMC | RFI>3V/m / EFT>1KV / ESD>4KV (contact) |
| Shock / Vibration | IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 |
| Material Active Face | POM |
| DC 3 wire 10-30V NPN N.O. | ECU1-0802N-A3S2 1 ECU2-0804N-A3S2 |
| DC 3 wire 10-30V NPN N.C. | ECU1-0802N-B3S2 2 ECU2-0804N-B3S2 |
| DC 3 wire 10-30V PNP N.O. | ECU1-0802P-A3S2 3 ECU2-0804P-A3S2 |
| DC 3 wire 10-30V PNP N.C. | ECU1-0802P-B3S2 4 ECU2-0804P-B3S2 |
| 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 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) | 3 φ3x0.15 |
| Weight | Approx.47 g |

| |
|-----------------|
| M8 |
| ● ○ |
| 2 mm 4 mm |
| stainless steel |
| ● |

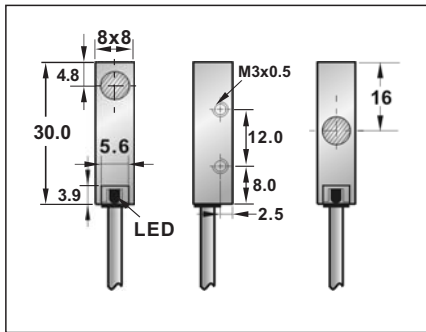


| | |
|-----------------------------------------------|-----------------------------------------------------|
| Operating Voltage | 10-30VDC |
| Ripple | <10% |
| No Load Current | <10mA |
| Max. Load Current | 200mA |
| Leakage Current | <0.01mA |
| Surge Current | - |
| Min. Load Current | - |
| Voltage Drop | <1.5V |
| Switching Frequency | 2KHZ 1KHZ |
| Response Time | 0.1ms/0.1ms 0.2ms/0.2ms |
| Switching Hysteresis | <15% |
| Repeat Accuracy | <1.0%(Sr) |
| Protection Category | IP67 |
| Operating Temperature | -25 °C - +70 °C |
| Temperature Drift | <10%(Sr) |
| Short Circuit Protection | YES |
| Overload Trip Point | 220mA |
| Time Delay Before Availability | <10ms |
| EMC | RFI>3V/m / EFT>1KV / ESD>4KV (contact) |
| Shock / Vibration | IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 |
| Material Active Face | POM |
| DC 3 wire 10-30V NPN N.O. | ECU1-0802N-A3S2 1 ECU2-0804N-A3S2 |
| DC 3 wire 10-30V NPN N.C. | ECU1-0802N-B3S2 2 ECU2-0804N-B3S2 |
| DC 3 wire 10-30V PNP N.O. | ECU1-0802P-A3S2 3 ECU2-0804P-A3S2 |
| DC 3 wire 10-30V PNP N.C. | ECU1-0802P-B3S2 4 ECU2-0804P-B3S2 |
| 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 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) | 3 φ3x0.15 |
| Weight | Approx.47 g |

Q8、 $\phi 11$ 、M12

DC SHORT BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH

| |
|-----------|
| Q8 |
| ● |
| 2 mm |
| die-cast |
| ● |



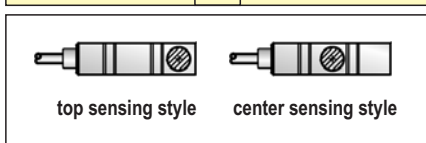
| |
|----------|
| 10-30VDC |
| <10% |
| <10mA |
| 200mA |
| <0.01mA |
| - |
| - |

| |
|---------------|
| <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

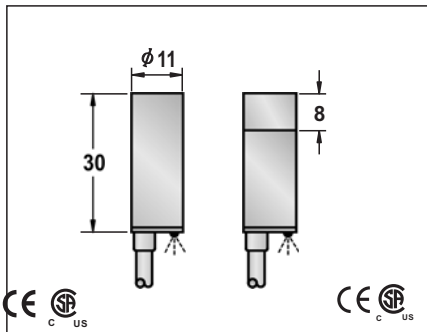
POM

| | | |
|------------------|---|------------------|
| EQM1-8802N-A3S2T | 1 | EQM1-8802N-A3S2M |
| EQM1-8802N-B3S2T | 2 | EQM1-8802N-B3S2M |
| EQM1-8802P-A3S2T | 3 | EQM1-8802P-A3S2M |
| EQM1-8802P-B3S2T | 4 | EQM1-8802P-B3S2M |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |



| |
|-------------------------------------|
| 3.0 ϕ 3x0.15 |
| Approx.38 g |

| | |
|-----------------------------|------|
| $\phi 11$ | |
| ● | ○ |
| 4 mm | 8 mm |
| nickel plated brass | |
| ● | |



| |
|----------|
| 10-30VDC |
| <10% |
| <10mA |
| 200mA |
| <0.01mA |
| - |
| - |

| |
|---------------|
| <1.5V |
| 1KHZ |
| 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

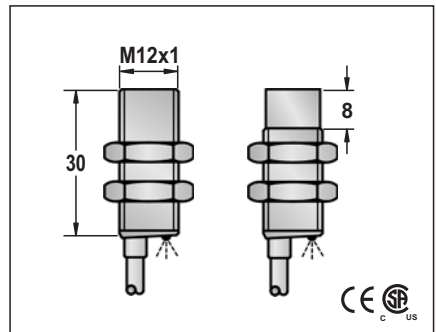
POM

| | | |
|------------------|---|------------------|
| ECM1-D1104N-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 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

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

| |
|-----------------------------------|
| 4 ϕ 3x0.34 |
| Approx.58 g |

| | |
|---------------------|------|
| M12 | |
| ● | ○ |
| 4 mm | 8 mm |
| nickel plated brass | |
| ● | |



| |
|----------|
| 10-30VDC |
| <10% |
| <10mA |
| 200mA |
| <0.01mA |
| - |
| - |

| |
|---------------|
| <1.5V |
| 1KHZ |
| 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

| | | |
|-----------------|---|-----------------|
| ECM1-1204N-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 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

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

| |
|-----------------------------------|
| 4 ϕ 3x0.34 |
| Approx.62 g |

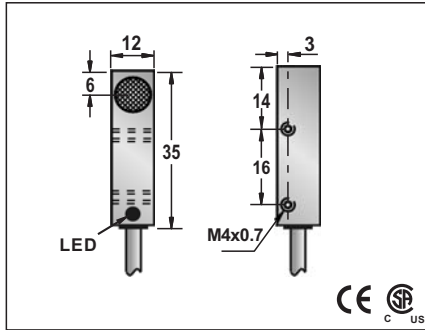
DC SHORT BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH

Q12、M18、M30

DC SHORT BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH

DC SHORT BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH

| |
|------------|
| Q12 |
| ● |
| 4 mm |
| die-cast |
| ● |

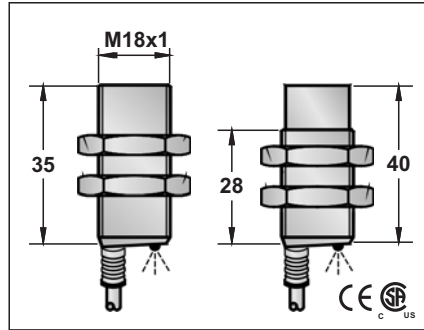


| |
|-----------------------------------------------------|
| 10-30VDC |
| <10% |
| <10mA |
| 200mA |
| <0.01mA |
| - |
| - |
| <1.5V |
| 1KHZ |
| 0.2ms/0.2ms |
| <15%(Sr) |
| <1.0%(Sr) |
| IP67 |
| -25°C - +70°C |
| <10%(Sr) |
| YES |
| 220mA |
| <10ms |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact) |
|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

| | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| |
|--------------------------|
| 4 φ3X0.34 Approx.75 g |
|--------------------------|

| |
|---------------------|
| M18 |
| ● ○ |
| 8 mm 16 mm |
| nickel plated brass |
| ● |

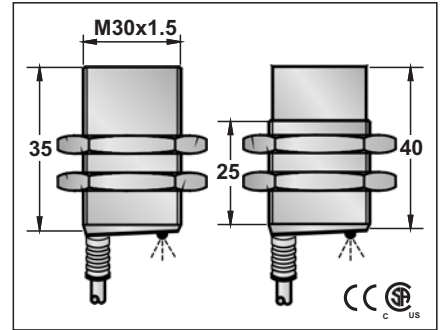


| |
|-----------------------------------------------------|
| 10-30VDC |
| <10% |
| <10mA |
| 200mA |
| <0.01mA |
| - |
| - |
| <1.5V |
| 500HZ |
| 0.5ms/0.5ms |
| 500HZ |
| 0.5ms/0.5ms |
| <15% |
| <1.0%(Sr) |
| IP67 |
| -25°C - +70°C |
| <10%(Sr) |
| YES |
| 220mA |
| <10ms |
| RFI>3V/m / EFT>1KV /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

| | | |
|-----------------|---|-----------------|
| 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 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| |
|-------------------------------------------------------------------------------------|
| Please see Page 18 for details and specifications of DC 2-Wire models on this page. |
| 5.0 φ44x0.1 Approx.132 g |

| |
|---------------------|
| M30 |
| ● ○ |
| 16 mm 25mm |
| nickel plated brass |
| ● |



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

| | | |
|-----------------|---|-----------------|
| ECM1-3016N-A3S2 | 1 | ECM2-3025N-A3S2 |
| ECM1-3016N-B3S2 | 2 | ECM2-3025N-B3S2 |
| ECM1-3016P-A3S2 | 3 | ECM2-3025P-A3S2 |
| ECM1-3016P-B3S2 | 4 | ECM2-3025P-B3S2 |
| ECM1-3016P-S4S2 | 6 | ECM2-3025P-S4S2 |
| ECM1-3016N-S4S2 | 5 | ECM2-3025N-S4S2 |
| ECM1-3016C-A2S2 | 7 | ECM2-3025C-A2S2 |
| ECM1-3016C-B2S2 | 8 | ECM2-3025C-B2S2 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

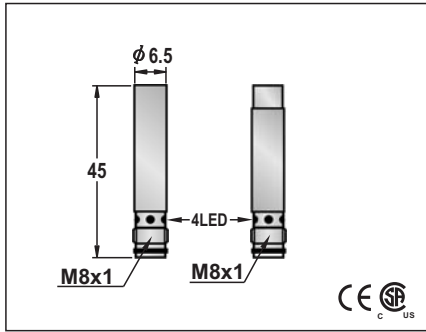
| |
|---------------------------|
| 4 φ3x0.34 Approx.180 g |
|---------------------------|

Ø6.5、M8

DC SHORT BODY WITH EXTENDED SENSING DISTANCE CONNECTOR TYPE

DC SHORT BODY WITH EXTENDED SENSING DISTANCE CONNECTOR TYPE

| Ø 6.5 | |
|-----------------|------|
| ● | ○ |
| 2 mm | 4 mm |
| stainless steel | |
| ● | |

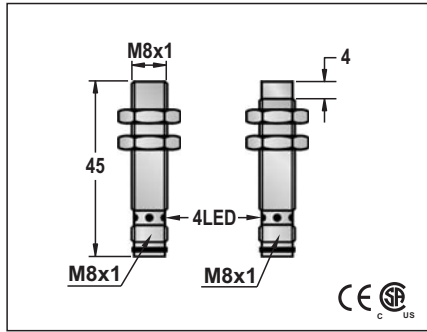


| | |
|-----------------------------------------------------|---------------------|
| 10-30VDC | |
| <10% | |
| <10mA | |
| 200mA | |
| <0.01mA | |
| - | |
| - | |
| <1.5V | |
| 2KHZ 0.1ms/0.1ms | 1KHZ 0.2ms/0.2ms |
| <15% | |
| <1.0%(Sr) | |
| IP67 | |
| -25°C - +70°C | |
| <10%(Sr) | |
| YES | |
| 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 | 29 | ECU2-D0604N-ACS3 |
| ECU1-D0602N-BCS3 | 29 | ECU2-D0604N-BCS3 |
| ECU1-D0602P-ACS3 | 30 | ECU2-D0604P-ACS3 |
| ECU1-D0602P-BCS2 | 30 | ECU2-D0604P-BCS3 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| | |
|-------------|--|
| Approx.14 g | |
|-------------|--|

| M8 | |
|-----------------|-----|
| ● | ○ |
| 2 mm | 4mm |
| stainless steel | |
| ● | |

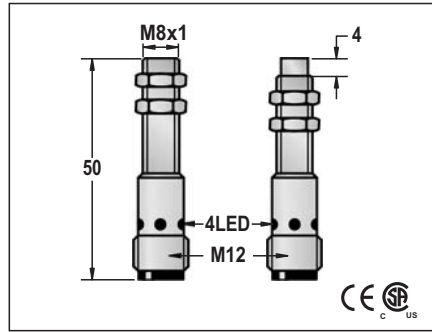


| | |
|-----------------------------------------------------|---------------------|
| 10-30VDC | |
| <10% | |
| <10mA | |
| 200mA | |
| <0.01mA | |
| - | |
| - | |
| <1.5V | |
| 2KHZ 0.1ms/0.1ms | 1KHZ 0.2ms/0.2ms |
| <15% | |
| <1.0%(Sr) | |
| IP67 | |
| -25°C - +70°C | |
| <10%(Sr) | |
| YES | |
| 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 | 29 | ECU2-0804N-ACS3 |
| ECU1-0802N-BCS3 | 29 | ECU2-0804N-BCS3 |
| ECU1-0802P-ACS3 | 30 | ECU2-0804P-ACS3 |
| ECU1-0802P-BCS3 | 30 | 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 0.1ms/0.1ms | 1KHZ 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 | |

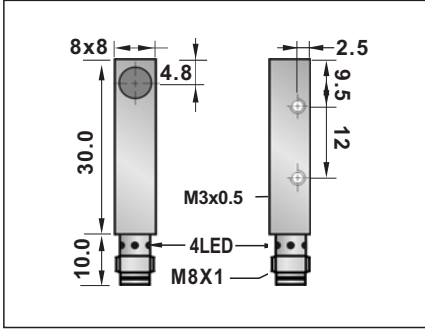
| | | |
|-----------------|----|-----------------|
| ECU1-0802N-ARS4 | 29 | ECU2-0804N-ARS4 |
| ECU1-0802N-BRS4 | 29 | ECU2-0804N-BRS4 |
| ECU1-0802P-ARS4 | 30 | ECU2-0804P-ARS4 |
| ECU1-0802P-BRS4 | 30 | ECU2-0804P-BRS4 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| | |
|-------------|--|
| Approx.17 g | |
|-------------|--|

Q8、 $\phi 11$ 、M12

DC SHORT BODY WITH EXTENDED SENSING DISTANCE CONNECTOR TYPE

| Q8 | |
|----------|--|
| | |
| 2 mm | |
| die-cast | |
| | |

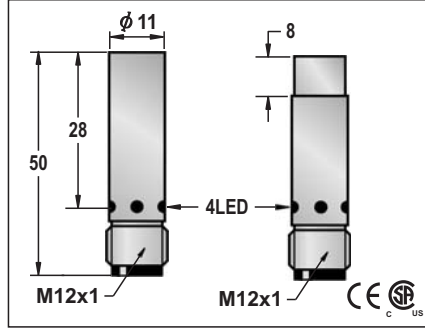


| | |
|-----------------------------------------------------|--|
| 10-30VDC | |
| <10% | |
| <10mA | |
| 200mA | |
| <0.01mA | |
| - | |
| <1.5V | |
| 2KHZ | |
| 0.1ms/0.1ms | |
| <15%(Sr) | |
| <1.0%(Sr) | |
| IP67 | |
| -25°C - +70°C | |
| <10%(Sr) | |
| YES | |
| 220mA | |
| <10ms | |
| RFI>3V/m /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

| | |
|--|--|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

| | |
|-------------|--|
| Approx.38 g | |
|-------------|--|

| $\phi 11$ | |
|---------------------|------|
| | |
| 4 mm | 8 mm |
| nickel plated brass | |
| | |

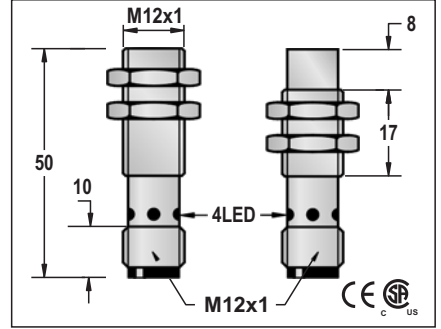


| | |
|-----------------------------------------------------|-------------|
| 10-30VDC | |
| <10% | |
| <10mA | |
| 200mA | |
| <0.01mA | |
| - | |
| <1.5V | |
| 1KHZ | 500HZ |
| 0.2ms/0.2ms | 0.5ms/0.5ms |
| <15% | |
| <1.0%(Sr) | |
| IP67 | |
| -25°C - +70°C | |
| <10%(Sr) | |
| YES | |
| 220mA | |
| <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 | 33 | ECM2-D1108N-ARS4 |
| ECM1-D1104N-BRS4 | 34 | ECM2-D1108N-BRS4 |
| ECM1-D1104P-ARS4 | 35 | ECM2-D1108P-ARS4 |
| ECM1-D1104P-BRS4 | 36 | ECM2-D1108P-BRS4 |
| ECM1-D1104P-SRS4 | 38 | ECM2-D1108P-SRS4 |
| ECM1-D1104N-SRS4 | 37 | ECM2-D1108N-SRS4 |
| ECM1-D1104C-ARS4 | 40 | ECM2-D1108C-ARS4 |
| ECM1-D1104C-BRS4 | 78 | ECM2-D1108C-BRS4 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| | |
|-------------------------------------------------------------------------------------|--|
| Please see Page 18 for details and specifications of DC 2-Wire models on this page. | |
| Approx.24 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-ARS4 | 33 | ECM2-1208N-ARS4 |
| ECM1-1204N-BRS4 | 34 | ECM2-1208N-BRS4 |
| ECM1-1204P-ARS4 | 35 | ECM2-1208P-ARS4 |
| ECM1-1204P-BRS4 | 36 | ECM2-1208P-BRS4 |
| ECM1-1204P-SRS4 | 38 | ECM2-1208P-SRS4 |
| ECM1-1204N-SRS4 | 37 | ECM2-1208N-SRS4 |
| ECM1-1204C-ARS4 | 40 | ECM2-1208C-ARS4 |
| ECM1-1204C-BRS4 | 78 | ECM2-1208C-BRS4 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

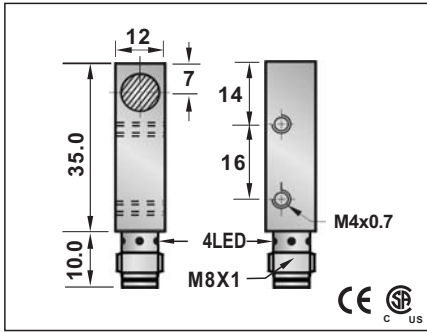
| | |
|-------------|--|
| Approx.25 g | |
|-------------|--|

DC SHORT BODY WITH EXTENDED SENSING DISTANCE CONNECTOR TYPE

Q12、M18、M30

DC SHORT BODY WITH EXTENDED SENSING DISTANCE CONNECTOR TYPE

| | |
|------------|--|
| Q12 | |
| ● | |
| 4 mm | |
| die-cast | |
| ● | |

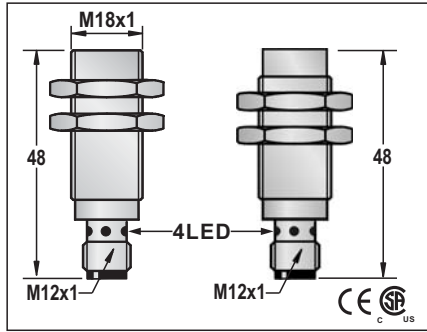


| | |
|-----------------------------------------------------|--|
| 10-30VDC | |
| <10% | |
| <10mA | |
| 200mA | |
| <0.01mA | |
| - | |
| - | |
| <1.5V | |
| 1KHZ | |
| 0.2ms/0.2ms | |
| <15%(Sr) | |
| <1.0%(Sr) | |
| IP67 | |
| -25 °C - +70 °C | |
| <10%(Sr) | |
| YES | |
| 220mA | |
| <10ms | |
|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

| | |
|--|--|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

Approx.35 g

| | |
|---------------------|------|
| M18 | |
| ● | ○ |
| 8mm | 16mm |
| nickel plated brass | |
| ● | |



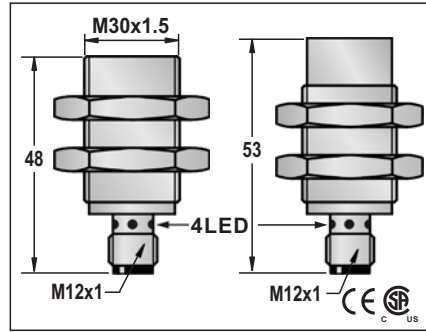
| | |
|-----------------------------------------------------|---------|
| 10-30VDC | |
| <10% | |
| <10mA | |
| 200mA | |
| <0.01mA | |
| - | |
| - | |
| <1.5V | |
| 500HZ | 150HZ |
| 0.5ms/0.5ms | 1ms/1ms |
| <15% | |
| <1.0%(Sr) | |
| IP67 | |
| -25 °C - +70 °C | |
| <10%(Sr) | |
| YES | |
| 220mA | |
| <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-ARS4 | 33 | ECM2-1816N-ARS4 |
| ECM1-1808N-BRS4 | 34 | ECM2-1816N-BRS4 |
| ECM1-1808P-ARS4 | 35 | ECM2-1816P-ARS4 |
| ECM1-1808P-BRS4 | 36 | ECM2-1816P-BRS4 |
| ECM1-1808P-SRS4 | 38 | ECM2-1816P-SRS4 |
| ECM1-1808N-SRS4 | 37 | ECM2-1816N-SRS4 |
| ECM1-1808C-ARS4 | 40 | ECM2-1816C-ARS4 |
| ECM1-1808C-BRS4 | 78 | ECM2-1816C-BRS4 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

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

Approx.50 g

| | |
|---------------------|------|
| M30 | |
| ● | ○ |
| 16mm | 25mm |
| 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 | |

| | | |
|-----------------|----|-----------------|
| ECM1-3016N-ARS4 | 33 | ECM2-3025N-ARS4 |
| ECM1-3016N-BRS4 | 34 | ECM2-3025N-BRS4 |
| ECM1-3016P-ARS4 | 35 | ECM2-3025P-ARS4 |
| ECM1-3016P-BRS4 | 36 | ECM2-3025P-BRS4 |
| ECM1-3016P-SRS4 | 38 | ECM2-3025P-SRS4 |
| ECM1-3016N-SRS4 | 37 | ECM2-3025N-SRS4 |
| ECM1-3016C-ARS4 | 40 | ECM2-3025C-ARS4 |
| ECM1-3016C-BRS4 | 78 | ECM2-3025C-BRS4 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

Approx.111 g

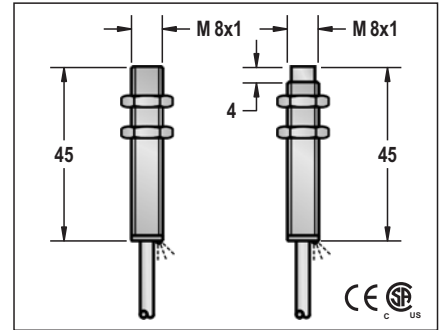
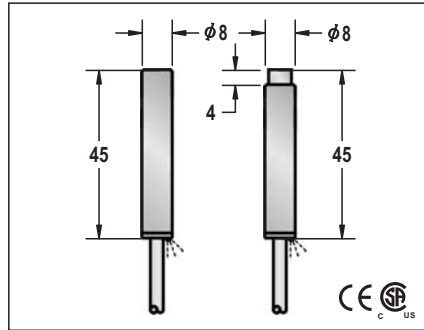
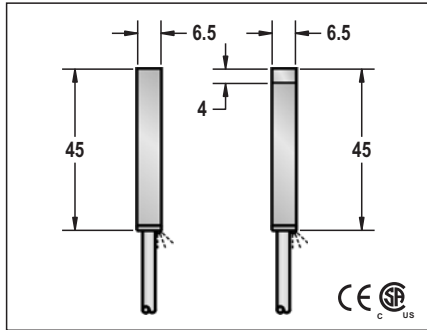
DC STANDARD BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH

DC STANDARD BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH

| φ 6.5 | |
|-----------------|------|
| ● | ○ |
| 2 mm | 4 mm |
| stainless steel | |
| ● | |

| φ 8 | |
|-----------------|------|
| ● | ○ |
| 2 mm | 4 mm |
| stainless steel | |
| ● | |

| M8 | |
|-----------------|------|
| ● | ○ |
| 2 mm | 4 mm |
| stainless steel | |
| ● | |



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

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

| | |
|----------|--|
| 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 | |

| 2KHZ | 1KHZ |
|---------------|-------------|
| 0.1ms/0.1ms | 0.2ms/0.2ms |
| <15% | |
| <1.0%(Sr) | |
| IP67 | |
| -25°C - +70°C | |
| <10%(Sr) | |
| YES | |
| 220mA | |
| <10ms | |

| 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

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

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-A3U2 | 1 | ECU2-D0604N-A3U2 |
| ECU1-D0602N-B3U2 | 2 | ECU2-D0604N-B3U2 |
| ECU1-D0602P-A3U2 | 3 | ECU2-D0604P-A3U2 |
| ECU1-D0602P-B3U2 | 4 | ECU2-D0604P-B3U2 |
| ECU1-D0602P-S4U2 | 6 | ECU2-D0604P-S4U2 |
| ECU1-D0602N-S4U2 | 5 | ECU2-D0604N-S4U2 |
| ECU1-D0602C-A2U2 | 7 | ECU2-D0604C-A2U2 |
| ECU1-D0602C-B2U2 | 8 | ECU2-D0604C-B2U2 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| | | |
|------------------|---|------------------|
| ECU1-D0802N-A3U2 | 1 | ECU2-D0804N-A3U2 |
| ECU1-D0802N-B3U2 | 2 | ECU2-D0804N-B3U2 |
| ECU1-D0802P-A3U2 | 3 | ECU2-D0804P-A3U2 |
| ECU1-D0802P-B3U2 | 4 | ECU2-D0804P-B3U2 |
| ECU1-D0802P-S4U2 | 6 | ECU2-D0804P-S4U2 |
| ECU1-D0802N-S4U2 | 5 | ECU2-D0804N-S4U2 |
| ECU1-D0802C-A2U2 | 7 | ECU2-D0804C-A2U2 |
| ECU1-D0802C-B2U2 | 8 | ECU2-D0804C-B2U2 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| | | |
|-----------------|---|-----------------|
| ECU1-0802N-A3U2 | 1 | ECU2-0804N-A3U2 |
| ECU1-0802N-B3U2 | 2 | ECU2-0804N-B3U2 |
| ECU1-0802P-A3U2 | 3 | ECU2-0804P-A3U2 |
| ECU1-0802P-B3U2 | 4 | ECU2-0804P-B3U2 |
| ECU1-0802P-S4U2 | 6 | ECU2-0804P-S4U2 |
| ECU1-0802N-S4U2 | 5 | ECU2-0804N-S4U2 |
| ECU1-0802C-A2U2 | 7 | ECU2-0804C-A2U2 |
| ECU1-0802C-B2U2 | 8 | ECU2-0804C-B2U2 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

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

| |
|-------------|
| 3 φ 3x0.15 |
| Approx.36 g |

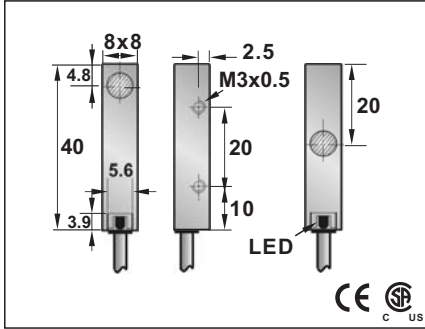
| |
|-------------|
| 3 φ 3x0.15 |
| Approx.38 g |

| |
|-------------|
| 3 φ 3x0.15 |
| Approx.40 g |

Q8、 $\phi 11$ 、M12

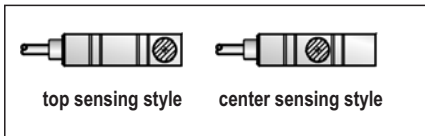
DC STANDARD BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH

| |
|-----------|
| Q8 |
| ● |
| 2 mm |
| die-cast |
| ● |



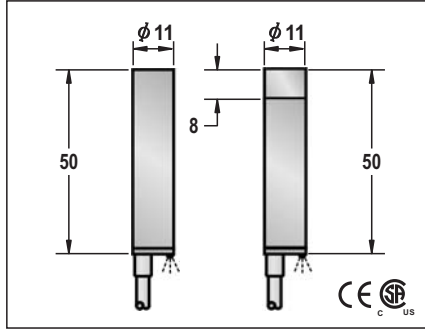
| |
|-----------------------------------------------------|
| 10-30VDC |
| <10% |
| <10mA |
| 200mA |
| <0.01mA |
| - |
| - |
| <1.5V |
| 2KHZ |
| 0.1ms/0.1ms |
| <15%(Sr) |
| <1.0%(Sr) |
| IP67 |
| -25°C - +70°C |
| <10%(Sr) |
| YES |
| 220mA |
| <10ms |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact) |
|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

| | | |
|------------------|---|------------------|
| EQM1-8802N-A3U2T | 1 | EQM1-8802N-A3U2M |
| EQM1-8802N-B3U2T | 2 | EQM1-8802N-B3U2M |
| EQM1-8802P-A3U2T | 3 | EQM1-8802P-A3U2M |
| EQM1-8802P-B3U2T | 4 | EQM1-8802P-B3U2M |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |



| |
|--------------------------------------------|
| 3.0 $\phi 3 \times 0.15$ |
| Approx.38 g |

| |
|--------------------------------|
| $\phi 11$ |
| ● ○ |
| 4 mm 8 mm |
| nickel plated brass |
| ● |



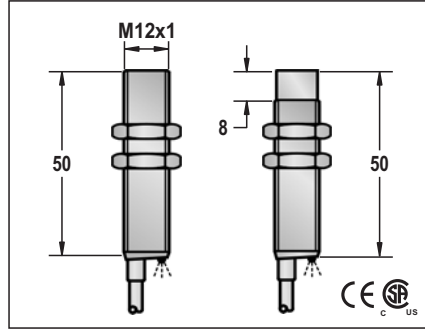
| |
|-----------------------------------------------------|
| 10-30VDC |
| <10% |
| <10mA |
| 200mA |
| <0.01mA |
| - |
| - |
| <1.5V |
| 2KHZ |
| 0.1ms/0.1ms |
| <15% |
| <1.0%(Sr) |
| IP67 |
| -25°C - +70°C |
| <10%(Sr) |
| YES |
| 220mA |
| <10ms |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact) |
| IEC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

| | | |
|------------------|---|------------------|
| ECM1-D1104N-A3U2 | 1 | ECM2-D1108N-A3U2 |
| ECM1-D1104N-B3U2 | 2 | ECM2-D1108N-B3U2 |
| ECM1-D1104P-A3U2 | 3 | ECM2-D1108P-A3U2 |
| ECM1-D1104P-B3U2 | 4 | ECM2-D1108P-B3U2 |
| ECM1-D1104P-S4U2 | 6 | ECM2-D1108P-S4U2 |
| ECM1-D1104N-S4U2 | 5 | ECM2-D1108N-S4U2 |
| ECM1-D1104C-A2U2 | 7 | ECM2-D1108C-A2U2 |
| ECM1-D1104C-B2U2 | 8 | ECM2-D1108C-B2U2 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

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

| |
|------------------------------------------|
| 4 $\phi 3 \times 0.34$ |
| Approx.55 g |

| |
|-------------------------------|
| M12 |
| ● ○ |
| 4 mm 8mm |
| nickel plated brass |
| ● |



| |
|-----------------------------------------------------|
| 10-30VDC |
| <10% |
| <10mA |
| 200mA |
| <0.01mA |
| - |
| - |
| <1.5V |
| 2KHZ |
| 0.1ms/0.1ms |
| <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 |
| POM |

| | | |
|-----------------|---|-----------------|
| ECM1-1204N-A3U2 | 1 | ECM2-1208N-A3U2 |
| ECM1-1204N-B3U2 | 2 | ECM2-1208N-B3U2 |
| ECM1-1204P-A3U2 | 3 | ECM2-1208P-A3U2 |
| ECM1-1204P-B3U2 | 4 | ECM2-1208P-B3U2 |
| ECM1-1204P-S4U2 | 6 | ECM2-1208P-S4U2 |
| ECM1-1204N-S4U2 | 5 | ECM2-1208N-S4U2 |
| ECM1-1204C-A2U2 | 7 | ECM2-1208C-A2U2 |
| ECM1-1204C-B2U2 | 8 | ECM2-1208C-B2U2 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| |
|------------------------------------------|
| 4 $\phi 3 \times 0.34$ |
| Approx.67 g |

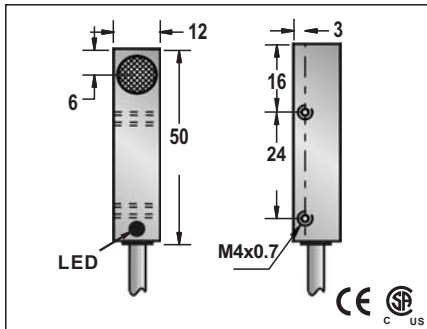
| |
|------------------------------------------|
| 4 $\phi 3 \times 0.34$ |
| Approx.67 g |

DC STANDARD BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH

Q12、M18、M30

DC STANDARD BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH

| Q12 | |
|----------|--|
| ● | |
| 4 mm | |
| die-cast | |
| ● | |

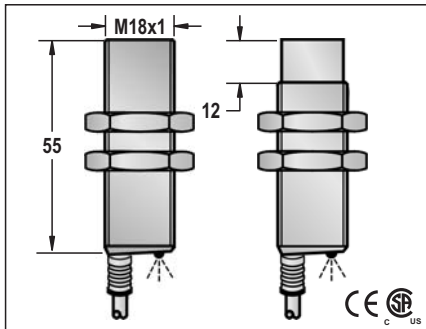


| | |
|-----------------------------------------------------|--|
| 10-30VDC | |
| <10% | |
| <10mA | |
| 200mA | |
| <0.01mA | |
| - | |
| - | |
| <1.5V | |
| 1KHZ | |
| 0.2ms/0.2ms | |
| <15%(Sr) | |
| <1.0%(Sr) | |
| IP67 | |
| -25°C - +70°C | |
| <10%(Sr) | |
| YES | |
| 220mA | |
| <10ms | |
| RFI>3V/m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

| | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| | |
|-------------|--|
| 4 φ3X0.34 | |
| Approx.75 g | |

| M18 | |
|---------------------|-------|
| ● | ○ |
| 8 mm | 16 mm |
| nickel plated brass | |
| ● | |



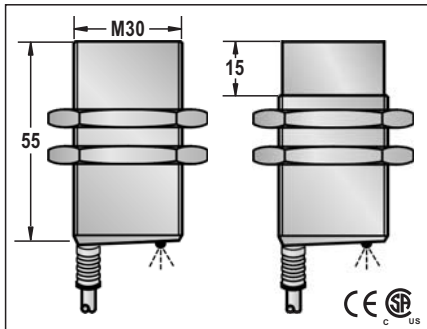
| | |
|-----------------------------------------------------|---------|
| 10-30VDC | |
| <10% | |
| <10mA | |
| 200mA | |
| <0.01mA | |
| - | |
| - | |
| <1.5V | |
| 500HZ | 150HZ |
| 0.5ms/0.5ms | 1ms/1ms |
| <15% | |
| <1.0%(Sr) | |
| IP67 | |
| -25°C - +70°C | |
| <10%(Sr) | |
| YES | |
| 220mA | |
| <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 | ECM2-1816N-A3U2 |
| ECM1-1808N-B3U2 | 2 | ECM2-1816N-B3U2 |
| ECM1-1808P-A3U2 | 3 | ECM2-1816P-A3U2 |
| ECM1-1808P-B3U2 | 4 | ECM2-1816P-B3U2 |
| ECM1-1808P-S4U2 | 6 | ECM2-1816P-S4U2 |
| ECM1-1808N-S4U2 | 5 | ECM2-1816N-S4U2 |
| ECM1-1808C-A2U2 | 7 | ECM2-1816C-A2U2 |
| ECM1-1808C-B2U2 | 8 | ECM2-1816C-B2U2 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

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

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

| M30 | |
|---------------------|------|
| ● | ○ |
| 16 mm | 25mm |
| nickel plated brass | |
| ● | |



| | |
|-----------------------------------------------------|---------|
| 10-30VDC | |
| <10% | |
| <10mA | |
| 200mA | |
| <0.01mA | |
| - | |
| - | |
| <1.5V | |
| 150HZ | 100HZ |
| 1ms/1ms | 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 | |

| | | |
|-----------------|---|-----------------|
| ECM1-3016N-A3U2 | 1 | ECM2-3025N-A3U2 |
| ECM1-3016N-B3U2 | 2 | ECM2-3025N-B3U2 |
| ECM1-3016P-A3U2 | 3 | ECM2-3025P-A3U2 |
| ECM1-3016P-B3U2 | 4 | ECM2-3025P-B3U2 |
| ECM1-3016P-S4U2 | 6 | ECM2-3025P-S4U2 |
| ECM1-3016N-S4U2 | 5 | ECM2-3025N-S4U2 |
| ECM1-3016C-A2U2 | 7 | ECM2-3025C-A2U2 |
| ECM1-3016C-B2U2 | 8 | ECM2-3025C-B2U2 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

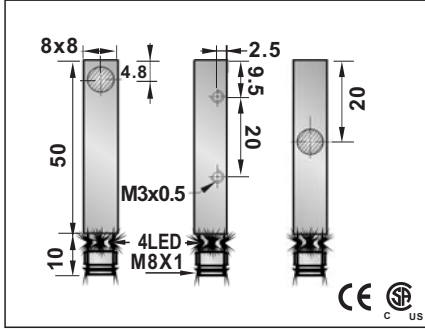
| | |
|--------------|--------------|
| 5.0 φ44x0.1 | |
| Approx.217 g | Approx.207 g |

Q8、φ11、M12

DC STANDARD BODY WITH EXTENDED SENSING DISTANCE CONNECTOR TYPE

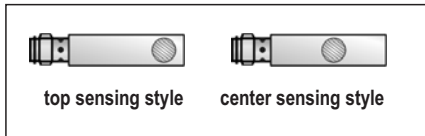
DC STANDARD BODY WITH EXTENDED SENSING DISTANCE CONNECTOR TYPE

| |
|-----------|
| Q8 |
| ● |
| 2 mm |
| die-cast |
| ● |



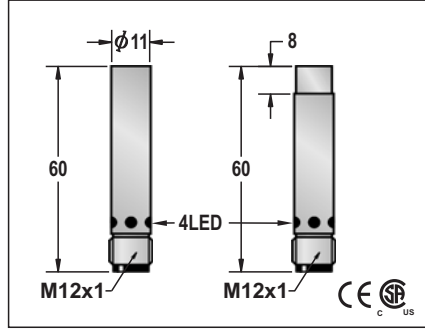
| |
|-----------------------------------------------------|
| 10-30VDC |
| <10% |
| <10mA |
| 200mA |
| <0.01mA |
| - |
| - |
| <1.5V |
| 2KHZ |
| 0.1ms/0.1ms |
| <15%(Sr) |
| <1.0%(Sr) |
| IP67 |
| -25°C - +70°C |
| <10%(Sr) |
| YES |
| 220mA |
| <10ms |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact) |
|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

| | | |
|------------------|----|------------------|
| POM | | |
| EQM1-8802N-ACU3T | 29 | EQM1-8802N-ACU3M |
| EQM1-8802N-BCU3T | 29 | EQM1-8802N-BCU3M |
| EQM1-8802P-ACU3T | 30 | EQM1-8802P-ACU3M |
| EQM1-8802P-BCU3T | 30 | EQM1-8802P-BCU3M |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |



Approx.38 g

| |
|---------------------|
| φ11 |
| ● ○ |
| 4 mm 8 mm |
| nickel plated brass |
| ● |



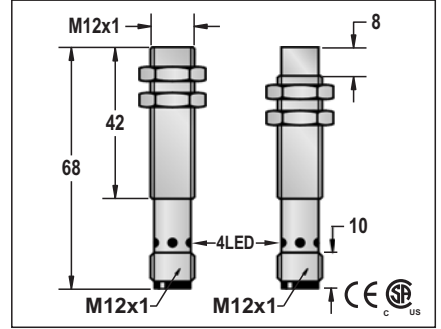
| | |
|-----------------------------------------------------|-------------|
| 10-30VDC | |
| <10% | |
| <10mA | |
| 200mA | |
| <0.01mA | |
| - | |
| - | |
| <1.5V | |
| 1KHZ | 500HZ |
| 0.2ms/0.2ms | 0.5ms/0.5ms |
| <15% | |
| <1.0%(Sr) | |
| IP67 | |
| -25°C - +70°C | |
| <10%(Sr) | |
| YES | |
| 220mA | |
| <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 | 33 | ECM2-D1108N-ARU4 |
| ECM1-D1104N-BRU4 | 34 | ECM2-D1108N-BRU4 |
| ECM1-D1104P-ARU4 | 35 | ECM2-D1108P-ARU4 |
| ECM1-D1104P-BRU4 | 36 | ECM2-D1108P-BRU4 |
| ECM1-D1104P-SRU4 | 38 | ECM2-D1108P-SRU4 |
| ECM1-D1104N-SRU4 | 37 | ECM2-D1108N-SRU4 |
| ECM1-D1104C-ARU4 | 40 | ECM2-D1108C-ARU4 |
| ECM1-D1104C-BRU4 | 78 | ECM2-D1108C-BRU4 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

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

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 | 33 | ECM2-1208N-ARU4 | | | |
| ECM1-1204N-BRU4 | 34 | ECM2-1208N-BRU4 | | | |
| ECM1-1204P-ARU4 | 35 | ECM2-1208P-ARU4 | | | |
| ECM1-1204P-BRU4 | 36 | ECM2-1208P-BRU4 | | | |
| ECM1-1204P-SRU4 | 38 | ECM2-1208P-SRU4 | | | |
| ECM1-1204N-SRU4 | 37 | ECM2-1208N-SRU4 | | | |
| ECM1-1204C-ARU4 | 40 | ECM2-1208C-ARU4 | | | |
| ECM1-1204C-BRU4 | 78 | ECM2-1208C-BRU4 | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

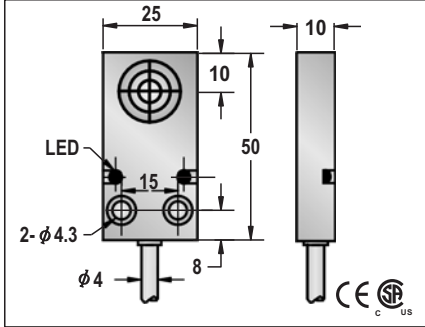
Approx.31 g

Q25x50x10、 Q16x28x10

DC EXTENDED SENSING DISTANCE PROXIMITY SWITCH SQUARE TYPE

DC EXTENDED SENSING DISTANCE PROXIMITY SWITCH SQUARE TYPE

| |
|-----------|
| Q25x50x10 |
| ● |
| 8 mm |
| die-cast |
| ● |

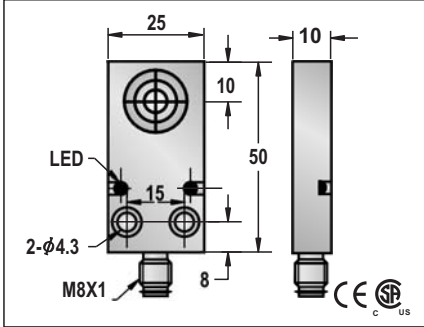


| |
|-----------------------------------------------------|
| 10-30VDC |
| <10% |
| <10mA |
| 200mA |
| <0.01mA |
| - |
| - |
| <1.5V |
| 500HZ |
| 0.5ms/0.5ms |
| <15% |
| <1.0%(Sr) |
| IP67 |
| -25 °C - +70 °C |
| <10%(Sr) |
| YES |
| 220mA |
| <10ms |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact) |
| IEC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

| | |
|------------------|---|
| EQM1-2508N-A3U2T | 1 |
| EQM1-2508N-B3U2T | 2 |
| EQM1-2508P-A3U2T | 3 |
| EQM1-2508P-B3U2T | 4 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

| |
|-------------|
| 4φ 3x0.15 |
| Approx.90 g |

| |
|-----------|
| Q25x50x10 |
| ● |
| 8 mm |
| die-cast |
| ● |



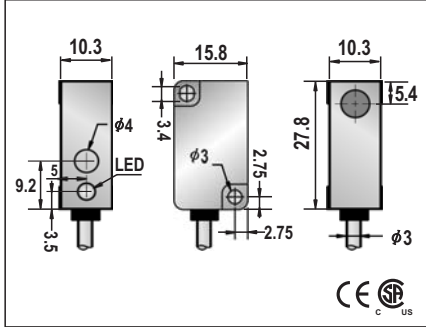
| |
|-----------------------------------------------------|
| 10-30VDC |
| <10% |
| <10mA |
| 200mA |
| <0.01mA |
| - |
| - |
| <1.5V |
| 500HZ |
| 0.5ms/0.5ms |
| <15% |
| <1.0%(Sr) |
| IP67 |
| -25 °C - +70 °C |
| <10%(Sr) |
| YES |
| 220mA |
| <10ms |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact) |
| IEC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

| | |
|------------------|----|
| EQM1-2508N-ACU3T | 25 |
| EQM1-2508N-BCU3T | 25 |
| EQM1-2508P-ACU3T | 26 |
| EQM1-2508P-BCU3T | 26 |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |

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

| |
|-------------|
| Approx.55 g |
|-------------|

| |
|-----------|
| Q16x28x10 |
| ● |
| 2 mm |
| ○ |
| 4 mm |
| die-cast |
| ● |



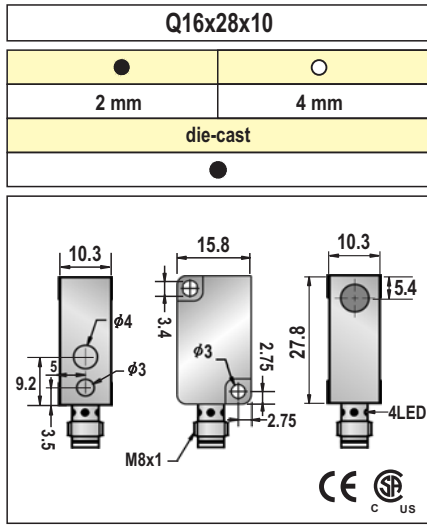
| |
|-----------------------------------------------------|
| 10-30VDC or 5-36VDC |
| <10% |
| <10mA |
| 200mA |
| <0.01mA |
| - |
| - |
| <1.5V |
| 2KHZ |
| 0.1ms/0.1ms |
| <15%(Sr) |
| <1.0%(Sr) |
| IP67 |
| -25 °C - +70 °C |
| <10%(Sr) |
| YES |
| 220mA |
| <10ms |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact)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

| | | |
|-----------------|---|-----------------|
| EQM1-2802N-A3U2 | 1 | EQM2-2804N-A3U2 |
| EQM1-2802N-B3U2 | 2 | EQM2-2804N-B3U2 |
| EQM1-2802P-A3U2 | 3 | EQM2-2804P-A3U2 |
| EQM1-2802P-B3U2 | 4 | EQM2-2804P-B3U2 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| |
|-------------|
| 3.0φ 3X0.15 |
| Approx.60 g |

Q16x28x10、Q40x25x12

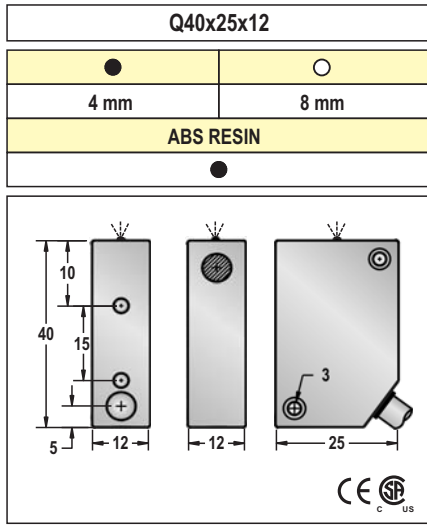
DC EXTENDED SENSING DISTANCE PROXIMITY SWITCH SQUARE TYPE



| | |
|-----------------------------------------------------|--|
| 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 | |

| | | |
|--|--|--|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

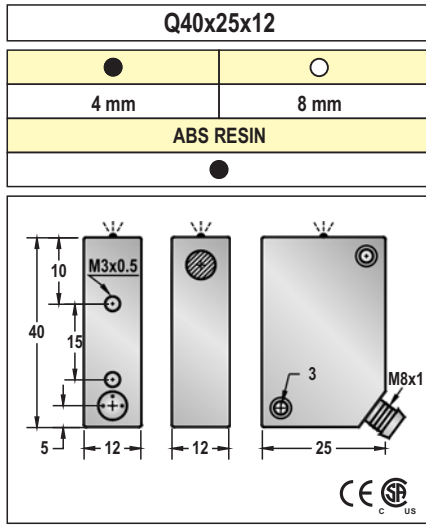
| | |
|-------------|--|
| Approx.60 g | |
|-------------|--|



| | |
|-----------------------------------------------------|-------------|
| 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-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 |
| | | |
| | | |
| EQP1-4004C-A2U2 | 7 | EQP2-4008C-A2U2 |
| EQP1-4004C-B2U2 | 8 | EQP2-4008C-B2U2 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| | |
|-------------------------------------------------------------------------------------|--|
| Please see Page 18 for details and specifications of DC 2-Wire models on this page. | |
| 4φ3x0.15 | |
| Approx.60 g | |



| | |
|-----------------------------------------------------|-------------|
| 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 | 29 | EQP2-4008N-ACU3 |
| EQP1-4004N-BCU3 | 29 | EQP2-4008N-BCU3 |
| EQP1-4004P-ACU3 | 30 | EQP2-4008P-ACU3 |
| EQP1-4004P-BCU3 | 30 | EQP2-4008P-BCU3 |
| | | |
| | | |
| EQP1-4004C-ACU3 | | EQP2-4008C-ACU3 |
| EQP1-4004C-BCU3 | | EQP2-4008C-BCU3 |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| | |
|-------------|--|
| Approx.55 g | |
|-------------|--|

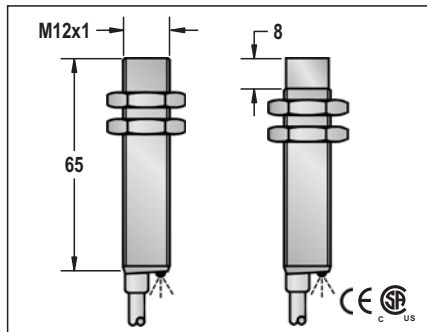
DC EXTENDED SENSING DISTANCE PROXIMITY SWITCH SQUARE TYPE

M12、M18、M30

AC STANDARD BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH

AC STANDARD BODY WITH EXTENDED SENSING DISTANCE PROXIMITY SWITCH

| M12 | |
|---------------------|------|
| ● | ○ |
| 4 mm | 8 mm |
| nickel plated brass | |
| ● | |

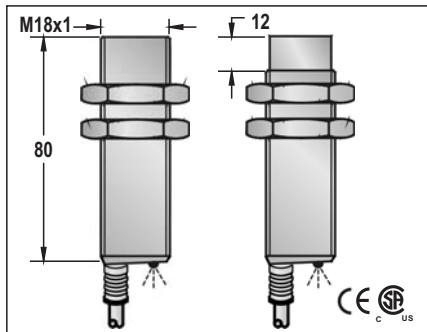


| | |
|-----------------------------------------------------|-----|
| 20-250VAC | |
| - | |
| <1.8mA | |
| 400mA | |
| 1.8mA | |
| 5A(20ms) | |
| 5mA | |
| <8VAC AT 400MA | |
| <25HZ | |
| 10ms/10ms | |
| <15% | |
| <1.0%(Sr) | |
| IP67 | |
| -25°C - +70°C | |
| <10%(Sr) | |
| - | |
| - | |
| - | |
|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

| M18 | |
|---------------------|-------|
| ● | ○ |
| 8 mm | 16 mm |
| nickel plated brass | |
| ● | |

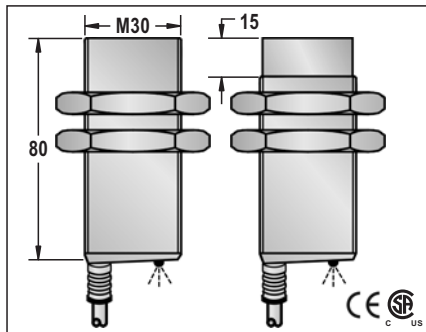


| | |
|-----------------------------------------------------|--|
| 20-250VAC | |
| - | |
| <1.8mA | |
| 400mA | |
| 1.8mA | |
| 5A(20ms) | |
| 5mA | |
| <8VAC AT 400MA | |
| <25HZ | |
| 10ms/10ms | |
| <15% | |
| <1.0%(Sr) | |
| IP67 | |
| -25°C - +70°C | |
| <10%(Sr) | |
| - | |
| - | |
| - | |
| RFI>3V/m / 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 |

| M30 | |
|---------------------|-------|
| ● | ○ |
| 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 |
| | | |
| | | |
| | | |
| | | |

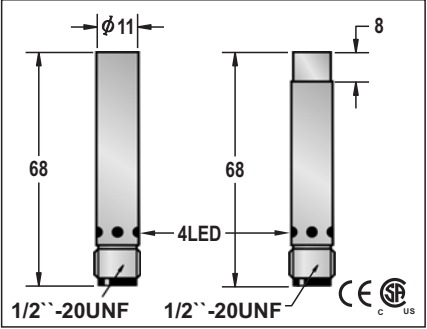
| | |
|--------------|--------------|
| 5.8φ3x0.5 | |
| Approx.247 g | Approx.237 g |

Ø11、M12、M18

AC STANDARD BODY WITH EXTENDED SENSING DISTANCE CONNECTOR TYPE

AC STANDARD BODY WITH EXTENDED SENSING DISTANCE CONNECTOR TYPE

| Ø11 | |
|---------------------|------|
| ● | ○ |
| 4 mm | 8 mm |
| nickel plated brass | |
| ● | |

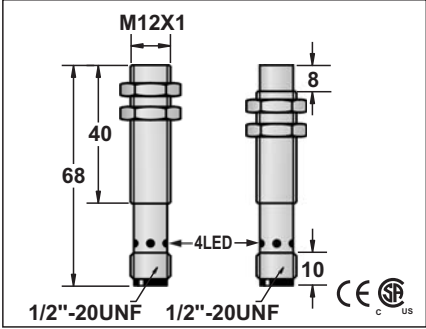


| | |
|-----------------------------------------------------|--|
| 20-250VAC | |
| - | |
| <1.8mA | |
| 400mA | |
| 1.8mA | |
| 5A(20ms) | |
| 5mA | |
| <8VAC AT 400MA | |
| <25HZ | |
| 10ms/10ms | |
| <15% | |
| <1.0%(Sr) | |
| IP67 | |
| -25 °C- +70 °C | |
| <10%(Sr) | |
| - | |
| - | |
| - | |
| RFI>3V/m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

| | | |
|------------------|----|------------------|
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| ECM1-D1104A-AUL3 | 55 | ECM2-D1108A-AUL3 |
| ECM1-D1104A-BUL3 | 55 | ECM2-D1108A-BUL3 |
| | | |
| | | |
| | | |

| | |
|-------------|-------------|
| | |
| Approx.30 g | Approx.29 g |

| M12 | |
|---------------------|------|
| ● | ○ |
| 4 mm | 8 mm |
| nickel plated brass | |
| ● | |

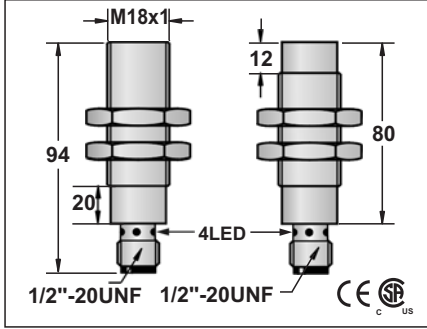


| | |
|-----------------------------------------------------|-----|
| 20-250VAC | |
| - | |
| <1.8mA | |
| 400mA | |
| 1.8mA | |
| 5A(20ms) | |
| 5mA | |
| <8VAC AT 400MA | |
| <25HZ | |
| 10ms/10ms | |
| <15% | |
| <1.0%(Sr) | |
| IP67 | |
| -25 °C- +70 °C | |
| <10%(Sr) | |
| - | |
| - | |
| - | |
| 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-AUL3 | 55 | ECM2-1208A-AUL3 |
| ECM1-1204A-BUL3 | 55 | ECM2-1208A-BUL3 |
| | | |
| | | |
| | | |

| | |
|-------------|-------------|
| | |
| Approx.30 g | Approx.29 g |

| M18 | |
|---------------------|-------|
| ● | ○ |
| 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-AUL3 | 55 | ECM2-1816A-AUL3 |
| ECM1-1808A-BUL3 | 55 | ECM2-1816A-BUL3 |
| | | |
| | | |
| | | |

| | |
|-------------|-------------|
| | |
| Approx.94 g | Approx.91 g |

