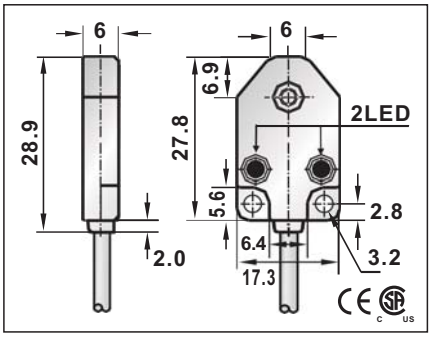
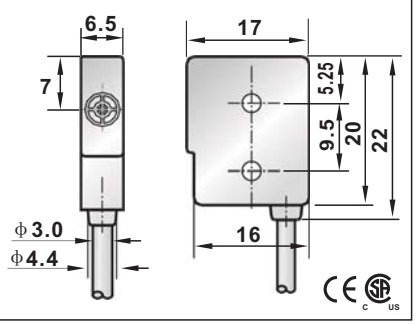
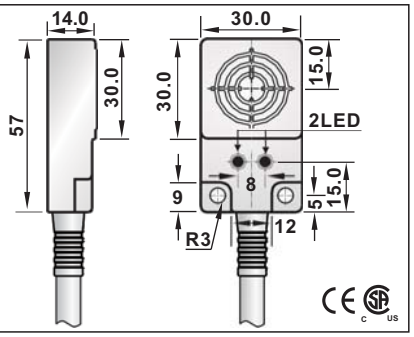
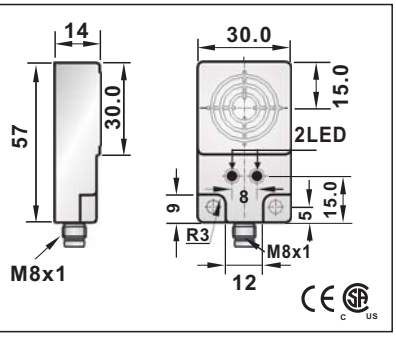
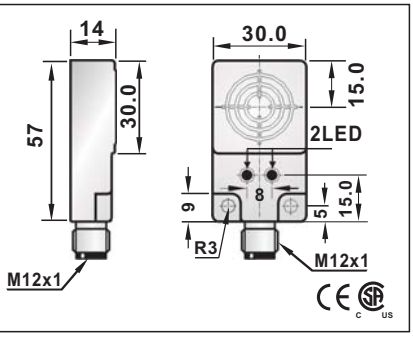
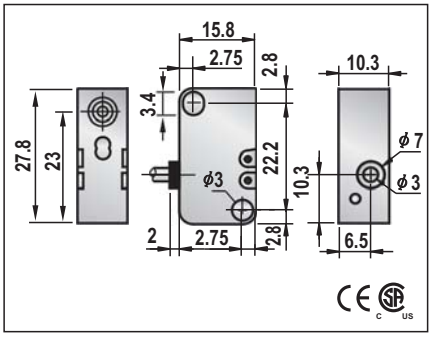
# LONG SENSING DISTANCE PROXIMITY SWITCH SQUARE TYPE

| Q 6 | Q 6.5 | | Q 14 |
|---|---|---|---|
| ● | ● | ○ | ● |
| 3 mm | 3 mm | 6 mm | 22 mm |
| PBT RESIN | PBT RESIN | | PBT RESIN |
| ● | ● | | ● |
|  |  | |  |
| 10-30VDC | 10-30VDC | | 10-30VDC or 20-250VDC/AC |
| <10% | <10% | | <10% |
| <10mA | <10mA | | <10mA |
| 200mA | 200mA | | 200mA |
| <0.01mA | <0.01mA | | <0.01mA |
| - | - | | - |
| - | - | | - |
| <2.0V | <2.0V | | <2.0V |
| 1KHZ | 1KHZ | | 500HZ |
| 0.1ms/0.1ms | 0.1ms/0.1ms | | 0.5ms/0.5ms |
| <15%(Sr) | <15%(Sr) | | <15%(Sr) |
| <2.0%(Sr) | <2.0%(Sr) | | <2.0%(Sr) |
| IP67 | IP67 | | IP67 |
| -25 °C - +70°C | -25 °C - +70°C | | -25 °C - +70°C |
| <10%(Sr) | <10%(Sr) | | <10%(Sr) |
| YES | YES | | YES |
| 220mA | 220mA | | 220mA |
| <10ms | <10ms | | <10ms |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact) | RFI>3V/m / EFT>1KV / ESD>4KV (contact) | | RFI>3V/m / EFT>1KV / ESD>4KV (contact) |
| IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 | IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 | | IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 |
| PBT | PBT | | PBT |
| LQP1-0603N-A3U2T 1 | LQP1-6.503N-A3U2 1 | LQP2-6.506N-A3U2 | LQP1-1422N-A3U2T 1 |
| LQP1-0603N-B3U2T 2 | LQP1-6.503N-B3U2 2 | LQP2-6.506N-B3U2 | LQP1-1422N-B3U2T 2 |
| LQP1-0603P-A3U2T 3 | LQP1-6.503P-A3U2 3 | LQP2-6.506P-A3U2 | LQP1-1422P-A3U2T 3 |
| LQP1-0603P-B3U2T 4 | LQP1-6.503P-B3U2 4 | LQP2-6.506P-B3U2 | LQP1-1422P-B3U2T 4 |
| | | | |
| | | | |
| LQP1-0603C-A2U2T 7 | LQP1-6.503C-A2U2 7 | LQP2-6.506C-A2U2 | LQP1-1422C-A2U2T 7 |
| LQP1-0603C-B2U2T 8 | LQP1-6.503C-B2U2 8 | LQP2-6.506C-B2U2 | LQP1-1422C-B2U2T 8 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | LQP1-1422U-A2L2 11 |
| | | | LQP1-1422U-B2L2 12 |
| | | | |
| | Please see Page 18 for details and specifications of DC 2-Wire models on this page. | | |
| 3φ3x0.15 | 3φ3x0.15 | | 4φ3x0.15 |
| Approx.55 g | Approx.80 g | | Approx.110 g |

Note:
Coming Soon : Part numbers with underline

# LONG SENSING DISTANCE PROXIMITY SWITCH SQUARE TYPE



| Q 14 | Q 14 | Q16x28x10 |
|---|---|---|
| ● | ● | ● ○ |
| 22 mm | 22 mm | 3 mm 6 mm |
| PBT RESIN | PBT RESIN | PBT RESIN |
| ● | ● | ● |
|  |  |  |
| 10-30VDC | 10-30VDC or 20-250VDC/AC | 10-30VDC |
| <10% | <10% | <10% |
| <20mA | <20mA | <10mA |
| 200mA | 200mA | 200mA |
| <0.01mA | <0.01mA | <0.01mA |
| - | - | - |
| - | - | - |
| <2.0V | <2.0V | <2.0V |
| 300HZ | 300HZ | 1KHZ / 500HZ |
| 0.5ms/0.5ms | 0.5ms/0.5ms | 0.1ms/0.1ms / 0.5ms/0.5ms |
| <15%(Sr) | <15%(Sr) | <15%(Sr) |
| <1.0%(Sr) | <1.0%(Sr) | <1.0%(Sr) |
| IP67 | IP67 | IP67 |
| -25 °C - +70°C | -25 °C - +70°C | -25 °C - +70°C |
| <10%(Sr) | <10%(Sr) | <10%(Sr) |
| YES | YES | YES |
| 220mA | 220mA | 220mA |
| <10ms | <10ms | <10ms |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact) | RFI>3V/m / EFT>1KV / ESD>4KV (contact) | RFI>3V/m / EFT>1KV / ESD>4KV (contact) |
| IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 | IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 | IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 |
| PBT | PBT | PBT |

| | | | | | | |
|---|---|---|---|---|---|---|
| LQP1-1422N-ACU3T | 1 | LQP1-1422N-ARU4T | 33 | LQP1-2803N-A3U2X | 1 | LQP2-2806N-A3U2X |
| LQP1-1422N-BCU3T | 2 | LQP1-1422N-BRU4T | 34 | LQP1-2803N-B3U2X | 2 | LQP2-2806N-B3U2X |
| LQP1-1422P-ACU3T | 3 | LQP1-1422P-ARU4T | 35 | LQP1-2803P-A3U2X | 3 | LQP2-2806P-A3U2X |
| LQP1-1422P-BCU3T | 4 | LQP1-1422P-BRU4T | 36 | LQP1-2803P-B3U2X | 4 | LQP2-2806P-B3U2X |
| | | | | | | |
| | | | | | | |
| LQP1-1422C-ACU3T | 7 | LQP1-1422C-ARU4T | 40 | LQP1-2803C-A2U2X | 7 | LQP2-2806C-A2U2X |
| LQP1-1422C-BCU3T | 8 | LQP1-1422C-BRU4T | 78 | LQP1-2803C-B2U2X | 8 | LQP2-2806C-B2U2X |
| | | | | | | |
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| | | | | | | |
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| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | LQP1-1422U-AUL3T | 56 | | | |
| | | LQP1-1422U-BUL3T | 56 | | | |
| | | | | | | |

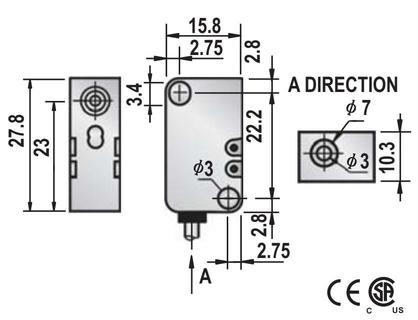
| | | |
|---|---|---|
| | Please see Page 18 for details and specifications of DC 2-Wire models on this page. | |
| | 4φ3x0.15 | 3φ3x0.15 |
| Approx.70 g | Approx.80 g | Approx.55 g |

Note:
Coming Soon : Part numbers with underline

# LONG SENSING DISTANCE PROXIMITY SWITCH SQUARE TYPE



| Q16x28x10 | |
|---|---|
| ● | ○ |
| 3 mm | 6 mm |
| PBT RESIN | |
| ● | |

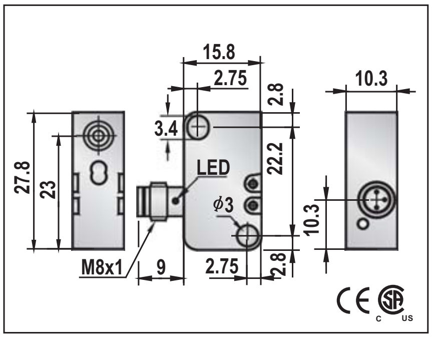



| | |
|---|---|
| 10-30VDC | |
| <10% | |
| <10mA | |
| 200mA | |
| <0.01mA | |
| - | |
| - | |
| <2.0V | |
| 1KHZ | 500HZ |
| 0.1ms/0.1ms | 0.2ms/0.2ms |
| <15% | |
| <1.0%(Sr) | |
| IP67 | |
| -25° C - +70° C | |
| <10%(Sr) | |
| YES | |
| 220mA | |
| <10ms | |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact) | |
| IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 | |
| PBT | |

| | | |
|---|---|---|
| LQP1-2803N-A3U2 | 1 | LQP2-2806N-A3U2 |
| LQP1-2803N-B3U2 | 2 | LQP2-2806N-B3U2 |
| LQP1-2803P-A3U2 | 3 | LQP2-2806P-A3U2 |
| LQP1-2803P-B3U2 | 4 | LQP2-2806P-B3U2 |
| | | |
| | | |
| LQP1-2803C-A2U2 | 7 | LQP2-2806C-A2U2 |
| LQP1-2803C-B2U2 | 8 | LQP2-2806C-B2U2 |

| |
|---|
| 4.0ϕ 3x0.15 |
| Approx.133 g |

| Q16x28x10 | |
|---|---|
| ● | ○ |
| 3 mm | 6 mm |
| PBT RESIN | |
| ● | |



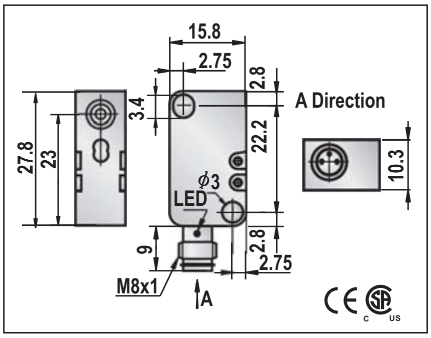

| | |
|---|---|
| 10-30VDC | |
| <10% | |
| <10mA | |
| 200mA | |
| <0.01mA | |
| - | |
| - | |
| <2.0V | |
| 1KHZ | 500HZ |
| 0.1ms/0.1ms | 0.2ms/0.2ms |
| <15% | |
| <1.0%(Sr) | |
| IP67 | |
| -25° C - +70° C | |
| <10%(Sr) | |
| YES | |
| 220mA | |
| <10ms | |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact) | |
| IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 | |
| PBT RESIN | |

| | | |
|---|---|---|
| LQP1-2803N-ACU3X | 29 | LQP2-2806N-ACU3X |
| LQP1-2803N-BCU3X | 29 | LQP2-2806N-BCU3X |
| LQP1-2803P-ACU3X | 30 | LQP2-2806P-ACU3X |
| LQP1-2803P-BCU3X | 30 | LQP2-2806P-BCU3X |
| | | |
| | | |
| LQP1-2803C-ACU3X | 39 | LQP2-2806C-ACU3X |
| LQP1-2803C-BCU3X | 77 | LQP2-2806C-BCU3X |

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

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

| Q16x28x10 | |
|---|---|
| ● | ○ |
| 3 mm | 6 mm |
| PBT RESIN | |
| ● | |




| | |
|---|---|
| 10-30VDC | |
| <10% | |
| <10mA | |
| 200mA | |
| <0.01mA | |
| - | |
| - | |
| <2.0V | |
| 1KHZ | 500HZ |
| 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 | |
| PBT RESIN | |

| | | |
|---|---|---|
| LQP1-2803N-ACU3 | 29 | LQP2-2806N-ACU3 |
| LQP1-2803N-BCU3 | 29 | LQP2-2806N-BCU3 |
| LQP1-2803P-ACU3 | 30 | LQP2-2806P-ACU3 |
| LQP1-2803P-BCU3 | 30 | LQP2-2806P-BCU3 |
| | | |
| | | |
| LQP1-2803C-ACU3 | 39 | LQP2-2806C-ACU3 |
| LQP1-2803C-BCU3 | 77 | LQP2-2806C-BCU3 |

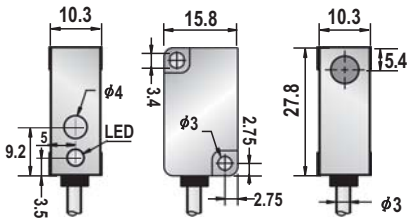
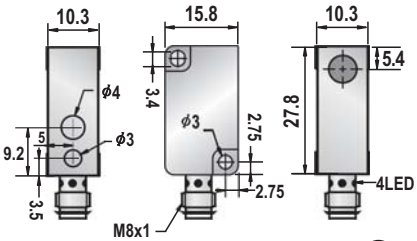
| |
|---|
| |
| Approx.30 g |

Note:

Coming Soon : Part numbers with underline
In Preparation: Part numbers with a line through the middle

# LONG SENSING DISTANCE PROXIMITY SWITCH SQUARE TYPE



| Q16x28x10 | | | Q16x28x10 | | | |
|---|---|---|---|---|---|---|
| ● | ○ | | ● | ○ | | |
| 3 mm | 6 mm | | 3 mm | 6 mm | | |
| die-cast | | | die-cast | | | |
| ● | | | ● | | | |
|  | | |  | | |
| 10-30VDC | | | 10-30VDC | | | |
| <10% | | | <10% | | | |
| <10mA | | | <10mA | | | |
| 200mA | | | 200mA | | | |
| <0.01mA | | | <0.01mA | | | |
| - | | | - | | | |
| - | | | - | | | |
| <1.5V | | | <1.5V | | | |
| 2KHZ | | | 2KHZ | | | |
| 0.1ms/0.1ms | | | 0.1ms/0.1ms | | | |
| <15%(Sr) | | | <15%(Sr) | | | |
| <1.0%(Sr) | | | <1.0%(Sr) | | | |
| IP67 | | | IP67 | | | |
| -25°C - +70°C | | | -25°C - +70°C | | | |
| <10%(Sr) | | | <10%(Sr) | | | |
| YES | | | YES | | | |
| 220mA | | | 220mA | | | |
| <10ms | | | <10ms | | | |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact) | | | RFI>3V/m / EFT>1KV / ESD>4KV (contact) | | | |
| IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 | | | IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 | | | |
| POM | | | POM | | | |
| LQM1-2803N-A3U2 | 1 | LQM2-2806N-A3U2 | LQM1-2803N-ACU3 | 29 | LQM2-2806N-ACU3 | |
| LQM1-2803N-B3U2 | 2 | LQM2-2806N-B3U2 | LQM1-2803N-BCU3 | 29 | LQM2-2806N-BCU3 | |
| LQM1-2803P-A3U2 | 3 | LQM2-2806P-A3U2 | LQM1-2803P-ACU3 | 30 | LQM2-2806P-ACU3 | |
| LQM1-2803P-B3U2 | 4 | LQM2-2806P-B3U2 | LQM1-2803P-BCU3 | 30 | LQM2-2806P-BCU3 | |
| | | | | | | |
| | | | | | | |
| LQM1-2803C-A2U2 | 7 | LQM2-2806C-A2U2 | LQM1-2803C-ACU3 | 39 | LQM2-2806C-ACU3 | |
| LQM1-2803C-B2U2 | 8 | LQM2-2806C-B2U2 | LQM1-2803C-BCU3 | 77 | LQM2-2806C-BCU3 | |
| | | | | | | |
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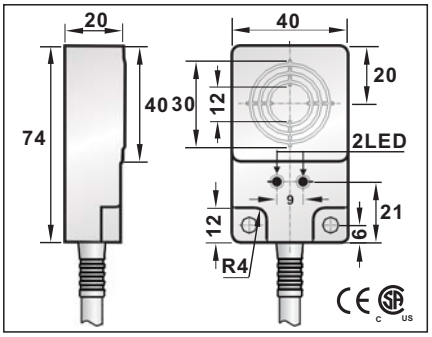
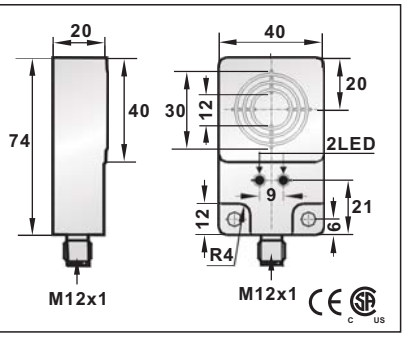
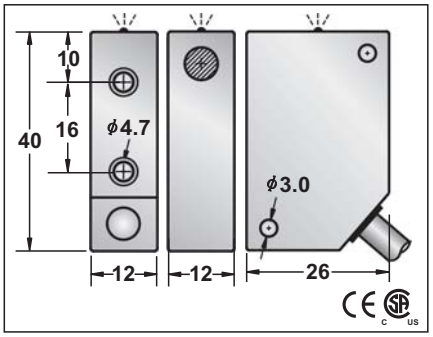
| | | | | | | |
| | | | Please see Page 18 for details and specifications of DC 2-Wire models on this page. | | | |
| 3.0ϕ3X0.15 | | | 3.0ϕ3X0.15 | | | |
| Approx.60 g | | | Approx.60 g | | | |

Note:
Coming Soon : Part numbers with underline

# LONG SENSING DISTANCE PROXIMITY SWITCH SQUARE TYPE



| Q 42 | Q 42 | Q25x40x12 |
|---|---|---|
| ● | ● | ● / ○ |
| 30 mm | 30 mm | 6 mm / 10 mm |
| PBT RESIN | PBT RESIN | PBT RESIN |
| ● | ● | ● |
|  |  |  |
| 10-30VDC and 20-250VDC/AC | 10-30VDC and 20-250VDC/AC | 10-30VDC |
| <10% | <10% | <10% |
| <10mA | <10mA | <10mA |
| 200mA | 200mA | 200mA |
| <0.01mA | <0.01mA | <0.01mA |
| - | - | - |
| - | - | - |
| <1.5V | <1.5V | <2.0V |
| 500HZ | 500HZ | 1KHZ / 500HZ |
| 0.5ms/0.5ms | 0.5ms/0.5ms | 0.1ms/0.1ms / 0.2ms/0.2ms |
| <15%(Sr) | <15%(Sr) | <15% |
| <1.0%(Sr) | <1.0%(Sr) | <1.0%(Sr) |
| IP67 | IP67 | IP67 |
| -25 °C - +70°C | -25 °C - +70°C | -25° C - +70° C |
| <10%(Sr) | <10%(Sr) | <10%(Sr) |
| YES | YES | YES |
| 220mA | 220mA | 220mA |
| <10ms | <10ms | <10ms |
| RFI>3V/m / EFT>1KV / ESD>4KV (contact) | RFI>3V/m / EFT>1KV / ESD>4KV (contact) | RFI>3V/m / EFT>1KV / ESD>4KV (contact) |
| IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 | IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 | IEC 60947-5-2,Part 7.4.1 / IEC 60947-5-2,Part 7.4.2 |
| POM | POM | PBT |

| | | | | | | |
|---|---|---|---|---|---|---|
| LQP1-2030N-A3U2T | 1 | LQP1-2030N-ARU4T | 33 | LQP1-4006N-A3U2 | 1 | LQP2-4010N-A3U2 |
| LQP1-2030N-B3U2T | 2 | LQP1-2030N-BRU4T | 34 | LQP1-4006N-B3U2 | 2 | LQP2-4010N-B3U2 |
| LQP1-2030P-A3U2T | 3 | LQP1-2030P-ARU4T | 35 | LQP1-4006P-A3U2 | 3 | LQP2-4010P-A3U2 |
| LQP1-2030P-B3U2T | 4 | LQP1-2030P-BRU4T | 36 | LQP1-4006P-B3U2 | 4 | LQP2-4010P-B3U2 |
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| | | | | | | |
| LQP1-2030C-A2U2T | 7 | LQP1-2030C-ARU4T | 40 | | | |
| LQP1-2030C-B2U2T | 8 | LQP1-2030C-BRU4T | 78 | | | |
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| LQP1-2030U-A2L2T | 11 | LQP1-2030U-AUL3T | 56 | | | |
| LQP1-2030U-B2L2T | 12 | LQP1-2030U-BUL3T | 56 | | | |

Note:
All cable type have pigtail connect mode,
LQP***/p
└→ pigtail mode

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

| | | |
|---|---|---|
| | | 4.0ϕ 3x0.15 |
| Approx.110 g | Approx.110 g | Approx.133 g |

Note:
Coming Soon : Part numbers with underline