



## CATALOGUE

## X-Lok Connector

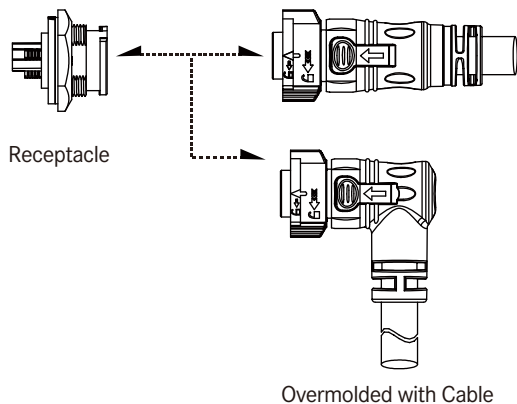




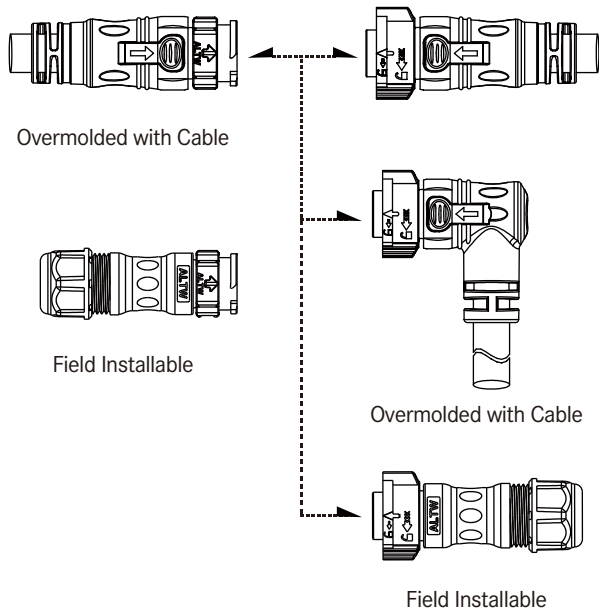
【Note】 Design and specification are subject to change without notice.

## Range Overview

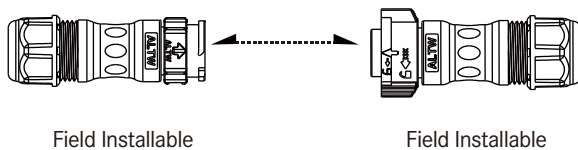
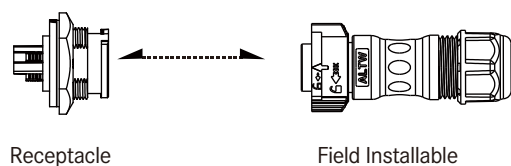
### Receptacle to Overmolded with Cable



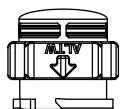
### In-Line



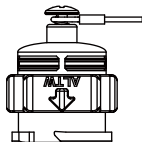
### Receptacle to Field Installable



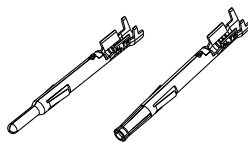
### Accessories



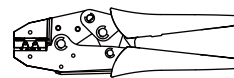
Waterproof Cap



Waterproof Cap with  
Fishe Line / Rubber Lead



Contact



Crimp Tool

## Specification

|                                     |   |
|-------------------------------------|---|
| <b>Identifications</b>              | Power Group (B,C,D size)<br>Data Group (B,C,D size)<br>Hybrid Group (B,C,D size)  |
| <b>Mating Style</b>                 | Push Lock   |
| <b>Description</b>                  | Receptacle<br>Overmolded with Cable<br>Field Installable  |
| <b>Current Rating / Data</b>        | B size (5A, 10A, 10A+5A)<br>C size (5A, 10A, 20A, 10A+5A)<br>D size (5A, 20A, 20A+5A)   |
| <b>Material</b>                     | Contacts: Copper Alloy, Gold Plated<br>Connector Body (Housing) : Nylon+GF, UL Recognized<br>Gasket & O-ring: Rubber, UL Recognized   |
| <b>Waterproof Rating</b>            | IP68  |
| <b>Temperature Range</b>            | Receptacle: -40°C~105°C<br>Overmolded With Cable:<br><ul style="list-style-type: none"> <li>• Data Group: -20°C~80°C</li> <li>• Power Group: -20°C~105°C</li> <li>• Hybrid Group: -40°C~105°C</li> </ul> Field Installable: -40°C~105°C |
| <b>Contact Resistance</b>           | ≤10mΩ   |
| <b>Insulation Resistance</b>        | ≥100MΩ at DC500V  |
| <b>Durability</b>                   | 1000 cycles   |
| <b>Dielectric Withstand Voltage</b> | 1,000V plus 2 times the rated voltage / 1 minute  |
| <b>More to know</b>                 | Standard Cable Length: 01~99M   |

【Note】 Design and specification are subject to change without notice.

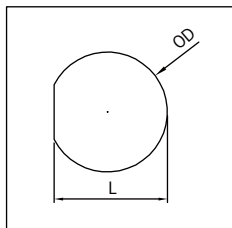
# Ordering Information

| Specification / Current Rating      |   |   | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
|-------------------------------------|---|---|---|---|---|---|---|---|---|---|---|----|
| <u>≥ Standard Size</u>              | <u>≥ Middle Size</u>  | <u>≥ Large Size</u>   |   |   |   |   |   |   |   |   |   |    |
| (BD) 5A                             | (CD) 5A   | (DD) 5A   |   |   |   |   |   |   |   |   |   |    |
| (BB) 10A                            | (CB) 10A  | (DC) 20A  |   |   |   |   |   |   |   |   |   |    |
| (BBD) 10A+5A                        | (CC) 20A  | (DCC) 20A+5A  |   |   |   |   |   |   |   |   |   |    |
|                                     | (CBD) 10A+5A  |   |   |   |   |   |   |   |   |   |   |    |
| <b>Number of Contacts</b>           |   |   |   |   |   |   |   |   |   |   |   |    |
| 02, 03....                          |   |   |   |   |   |   |   |   |   |   |   |    |
| e.g. (02) = 2 Contacts              |   |   |   |   |   |   |   |   |   |   |   |    |
| <b>Connector Body (Style)</b>       |   |   |   |   |   |   |   |   |   |   |   |    |
| <u>≥ For Receptacle</u>             | <u>≥ For Overmolded with Cable</u>  | <u>≥ For Field Installable</u>  |   |   |   |   |   |   |   |   |   |    |
| (P) Front Fastened                  | (A) With Strain Relief  | (B) With Strain Relief  |   |   |   |   |   |   |   |   |   |    |
| (R) Rear Fastened                   |   |   |   |   |   |   |   |   |   |   |   |    |
| <b>Connector (Housing) Gender</b>   |   |   |   |   |   |   |   |   |   |   |   |    |
| (M) Male Connector                  |   |   |   |   |   |   |   |   |   |   |   |    |
| (F) Female Connector                |   |   |   |   |   |   |   |   |   |   |   |    |
| <b>Contact Gender</b>               |   |   |   |   |   |   |   |   |   |   |   |    |
| (M) Male                            |   |   |   |   |   |   |   |   |   |   |   |    |
| (F) Female                          |   |   |   |   |   |   |   |   |   |   |   |    |
| <b>Assemble Style</b>               |   |   |   |   |   |   |   |   |   |   |   |    |
| <u>≥ For Receptacle</u>             | <u>≥ For Overmolded with Cable</u>  | <u>≥ For Field Installable</u>  |   |   |   |   |   |   |   |   |   |    |
| (S) Solder Type                     | (M) Overmolded with Cable   | (A) Crimp Type  |   |   |   |   |   |   |   |   |   |    |
| (B) Screw in Type                   |   |   |   |   |   |   |   |   |   |   |   |    |
| <b>Mating Style</b>                 |   |   |   |   |   |   |   |   |   |   |   |    |
| (Q) Push Lock                       |   |   |   |   |   |   |   |   |   |   |   |    |
| <b>Backshell</b>                    |   |   |   |   |   |   |   |   |   |   |   |    |
| <u>≥ For Receptacle</u>             | <u>≥ For Overmolded with Cable</u>  |   |   |   |   |   |   |   |   |   |   |    |
| (C) Circular                        | (L) Straight  |   |   |   |   |   |   |   |   |   |   |    |
| (S) Square                          | (R) Right Angle   |   |   |   |   |   |   |   |   |   |   |    |
| <b>Waterproof Rating</b>            |   |   |   |   |   |   |   |   |   |   |   |    |
| (8) IP68                            |   |   |   |   |   |   |   |   |   |   |   |    |
| <b>More Information</b>             |   |   |   |   |   |   |   |   |   |   |   |    |
| <u>≥ For Receptacle</u>             | <u>≥ For Overmolded with Cable</u>  | <u>≥ For Field Installable</u>  |   |   |   |   |   |   |   |   |   |    |
| (001), (002) .....                  | (□)+(■) : Cable Type + Cable Length   | (□)+(■)+(○) : Seal Size + Package Options + Application   |   |   |   |   |   |   |   |   |   |    |
| For Data Group & Different Versions | e.g. (A01) = UL2464 Cable + 1M  | e.g. (SN0) = Seal S + Connector without Contact + for Data Group  |   |   |   |   |   |   |   |   |   |    |
| (00P) For Power Group               | <u>□ : Cable Type</u><br>(A) UL2464 Cable - Upon request<br>(D) UL21388 Cable - Data Group<br>(E) UL SJTW Cable - Power Group<br>(F) UL21996 Cable - Hybrid Group | <u>■ : Cable Length</u><br>From 1M to 99M<br>e.g. (01) = 1M   |   |   |   |   |   |   |   |   |   |    |
|                                     |   | <u>□ : Seal Type</u><br>B Size:<br>(S) 5.0~6.0mm<br>(M) 6.0~8.0mm<br>(L) 8.0~10.0mm<br>C Size:<br>(S) 6.0~8.0mm<br>(M) 8.0~10.0mm<br>(L) 10.0~12.0mm<br>D Size:<br>(S) 8.0~10.0mm<br>(M) 10.0~12.0mm<br>(L) 12.0~14.0mm |   |   |   |   |   |   |   |   |   |    |
|                                     |   | <u>■ : Package Options</u><br>(N) Connector without Contact*<br>(P) Connector with Contacts<br>* Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.           |   |   |   |   |   |   |   |   |   |    |
|                                     |   | <u>○ : Application</u><br>(0) For Data Group<br>(P) For Power Group   |   |   |   |   |   |   |   |   |   |    |

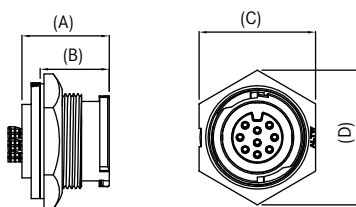
## Physical Dimension | Data Group

### Receptacle

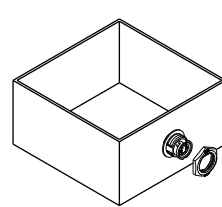
Panel Cut-out



Front Fastened



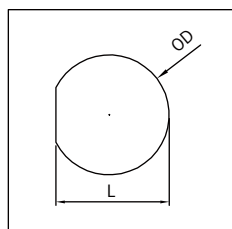
How to Install



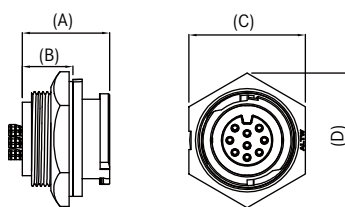
| Size | Current Rating (Code) | L    | OD   | A    | B    | C    | D    | Pannel Thickness Max. |
|------|-----------------------|------|------|------|------|------|------|-----------------------|
| B    | 5A (BD)               | 14.8 | 15.6 | 18.8 | 14.0 | 20.6 | 23.7 | 4                     |
|      | 10A (BB)              |      |      |      |      |      |      |                       |
| C    | 5A (CD)               | 19.4 | 20.8 | 19.0 | 15.0 | 25.4 | 29.3 | 4.2                   |
|      | 10A (CB)              |      |      |      |      |      |      |                       |
| D    | 5A (DD)               | 23.6 | 25.6 | 18.0 | 14.9 | 28.6 | 33.0 | 3.6                   |

Unit: mm

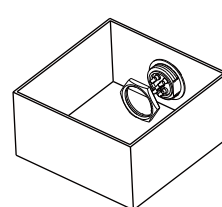
Panel Cut-out



Rear Fastened



How to Install

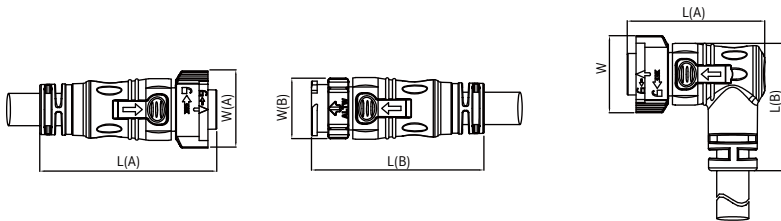


| Size | Current Rating (Code) | L    | OD   | A    | B    | C    | D    | Panel Thickness Max. |
|------|-----------------------|------|------|------|------|------|------|----------------------|
| B    | 5A (BD)               | 14.8 | 15.6 | 18.6 | 10.8 | 20.6 | 23.7 | 4.5                  |
|      | 10A (BB)              |      |      |      |      |      |      |                      |
| C    | 5A (CD)               | 19.4 | 20.8 | 19.0 | 11.0 | 25.4 | 29.3 | 4.2                  |
|      | 10A (CB)              |      |      |      |      |      |      |                      |
| D    | 5A (DD)               | 23.6 | 25.6 | 18.0 | 14.9 | 28.6 | 33.0 | 3.6                  |

Unit: mm

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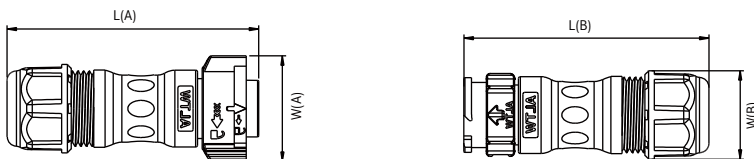
## Overmolded With Cable



| Size | Current Rating<br>(Code) | Straight Style |          |            |          | Right Angle Style |      |      |
|------|--------------------------|----------------|----------|------------|----------|-------------------|------|------|
|      |                          | L              |          | W          |          | L(A)              | L(B) | W    |
|      |                          | Female (A)     | Male (B) | Female (A) | Male (B) | Female            |      |      |
| B    | 5A (BD)                  | 53.4           | 53.0     | 25.0       | 20.1     | 45.2              | 34.5 | 25.0 |
|      | 10A (BB)                 |                |          |            |          |                   |      |      |
| C    | 5A (CD)                  | 64.2           | 62.7     | 28.0       | 22.4     | 50.0              | 46.2 | 28.0 |
|      | 10A (CB)                 |                |          |            |          |                   |      |      |
| D    | 5A (DD)                  | 62.4           | 61.8     | 36.0       | 27.0     | 63.0              | 49.5 | 36.0 |

Unit: mm

## Field Installable



| Size | Current Rating<br>(Code) | Straight Style |          |            |          | Seal Size |           |           |
|------|--------------------------|----------------|----------|------------|----------|-----------|-----------|-----------|
|      |                          | L              |          | W          |          | S         | M         | L         |
|      |                          | Female (A)     | Male (B) | Female (A) | Male (B) |           |           |           |
| B    | 5A (BD)                  | 66.2           | 66.0     | 25.0       | 20.0     | 5.0~6.0   | 6.0~8.0   | 8.0~10.0  |
|      | 10A (BB)                 |                |          |            |          |           |           |           |
| C    | 5A (CD)                  | 64.2           | 62.7     | 28.0       | 22.4     | 6.0~8.0   | 8.0~10.0  | 10.0~12.0 |
|      | 10A (CB)                 |                |          |            |          |           |           |           |
|      | 20A (CC)                 |                |          |            |          |           |           |           |
| D    | 5A (BD)                  | 70.2           | 69.0     | 36.0       | 27.0     | 8.0~10.0  | 10.0~12.0 | 12.0~14.0 |
|      | 10A (BB)                 |                |          |            |          |           |           |           |

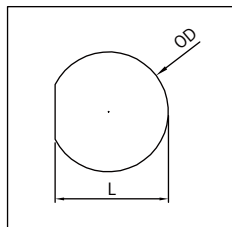
Unit: mm



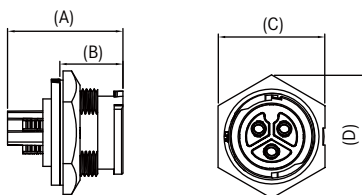
## Physical Dimension | Power Group

### Receptacle

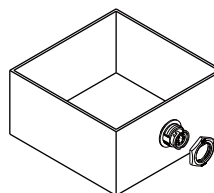
Panel Cut-out



Front Fastened



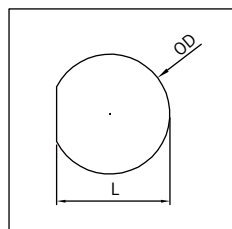
How to Install



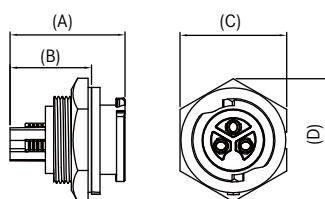
| Size | Current Rating (Code) | L    | OD   | A    | B    | C    | D    | Panel Thickness Max. |
|------|-----------------------|------|------|------|------|------|------|----------------------|
| B    | 5A (BD)               | 14.8 | 15.6 | 18.8 | 14.0 | 20.6 | 23.7 | 4                    |
|      | 10A (BB)              |      |      |      |      |      |      |                      |
| C    | 20A (CC)              | 19.4 | 20.8 | 27.4 | 15.0 | 25.4 | 29.3 | 4.2                  |
| D    | 20A (DC)              | 23.6 | 25.6 | 26.3 | 14.9 | 28.6 | 33.0 | 3.6                  |

Unit: mm

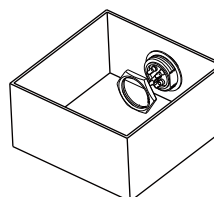
Panel Cut-out



Rear Fastened



How to Install

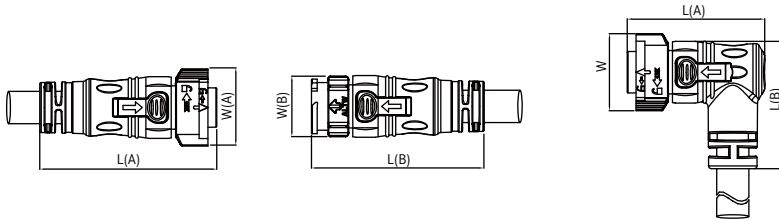


| Size | Current Rating (Code) | L    | OD   | A    | B    | C    | D    | Panel Thickness Max. |
|------|-----------------------|------|------|------|------|------|------|----------------------|
| B    | 5A (BD)               | 14.8 | 15.6 | 18.6 | 10.8 | 20.6 | 23.7 | 4.5                  |
|      | 10A (BB)              |      |      |      |      |      |      |                      |
| C    | 20A (CC)              | 19.4 | 20.8 | 27.4 | 19.4 | 25.4 | 29.3 | 4.2                  |
| D    | 20A (DC)              | 23.6 | 25.6 | 26.3 | 18.1 | 28.6 | 33.0 | 3.6                  |

Unit: mm

【Note】 Design and specification are subject to change without notice.

## Overmolded With Cable



| Size | Current Rating<br>(Code) | Straight Style |          |            |          | Right Angle Style |      |      |
|------|--------------------------|----------------|----------|------------|----------|-------------------|------|------|
|      |                          | L              |          | W          |          | L(A)              | L(B) | W    |
|      |                          | Female (A)     | Male (B) | Female (A) | Male (B) | Female            |      |      |
| B    | 5A (BD)                  | 53.4           | 53.0     | 25.0       | 20.1     | 45.2              | 34.5 | 25.0 |
|      | 10A (BB)                 |                |          |            |          |                   |      |      |
| C    | 5A (CD)                  | 64.2           | 62.7     | 28.0       | 22.4     | 50.0              | 46.2 | 28.0 |
|      | 10A (CB)                 |                |          |            |          |                   |      |      |
| D    | 5A (DD)                  | 62.4           | 61.8     | 36.0       | 27.0     | 63.0              | 49.5 | 36.0 |

Unit: mm

## Field Installable



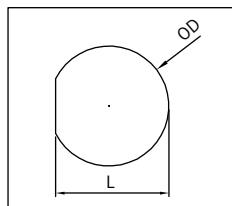
| Size | Current Rating<br>(Code) | Straight Style |          |            |          | Seal Size |           |           |
|------|--------------------------|----------------|----------|------------|----------|-----------|-----------|-----------|
|      |                          | L              |          | W          |          | S         | M         | L         |
|      |                          | Female (A)     | Male (B) | Female (A) | Male (B) |           |           |           |
| B    | 5A (BD)                  | 66.2           | 66.0     | 25.0       | 20.0     | 5.0~6.0   | 6.0~8.0   | 8.0~10.0  |
|      | 10A (BB)                 |                |          |            |          |           |           |           |
| C    | 5A (CD)                  | 64.2           | 62.7     | 28.0       | 22.4     | 6.0~8.0   | 8.0~10.0  | 10.0~12.0 |
|      | 10A (CB)                 |                |          |            |          |           |           |           |
|      | 20A (CC)                 |                |          |            |          |           |           |           |
| D    | 5A (BD)                  | 70.2           | 69.0     | 36.0       | 27.0     | 8.0~10.0  | 10.0~12.0 | 12.0~14.0 |
|      | 10A (BB)                 |                |          |            |          |           |           |           |

Unit: mm

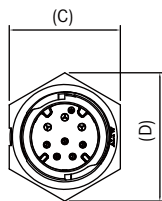
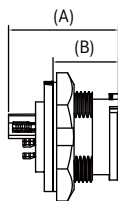
## Physical Dimension | Hybrid Group

### Receptacle

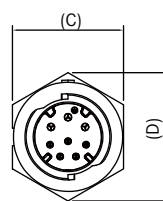
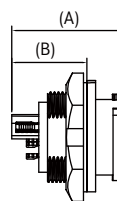
Panel Cut-out



Front Fastened



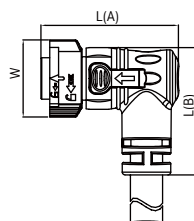
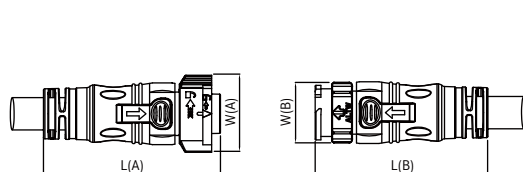
Rear Fastened



| Size | Current Rating (Code) | Fasten Style | L    | OD   | A    | B    | C    | D    | Pannel Thickness Max. |
|------|-----------------------|--------------|------|------|------|------|------|------|-----------------------|
| B    | 10A+5A (BBD)          | Front        | 14.8 | 15.6 | 26.0 | 14.0 | 20.6 | 23.7 | 4                     |
|      |                       | Rear         | 14.8 | 15.6 | 24.9 | 17.0 | 20.6 | 23.7 | 4.5                   |
| C    | 10A+5A (CBD)          | Front        | 19.4 | 20.8 | 25.2 | 15.0 | 25.4 | 29.3 | 4.2                   |
|      |                       | Rear         | 19.4 | 20.8 | 25.2 | 17.2 | 25.4 | 29.3 | 4.2                   |
| D    | 20A+5A (DCD)          | Front        | 23.6 | 25.6 | 24.1 | 14.9 | 28.6 | 33.0 | 3.6                   |
|      |                       | Rear         | 23.6 | 25.6 | 24.1 | 15.9 | 28.6 | 33.0 | 3.6                   |

Unit: mm

### Overmolded With Cable
















































| Size | Current Rating (Code) | Straight Style |          |            |          | Right Angle Style |      |      |
|------|-----------------------|----------------|----------|------------|----------|-------------------|------|------|
|      |                       | L              |          | W          |          | L(A)              | L(B) | W    |
|      |                       | Female (A)     | Male (B) | Female (A) | Male (B) | Female            |      |      |
| B    | 10A+5A (BBD)          | 53.4           | 53.0     | 25.0       | 20.1     | 45.2              | 34.5 | 25.0 |
| C    | 10A+5A (CBD)          | 64.2           | 62.7     | 28.0       | 22.4     | 50.0              | 46.2 | 28.0 |
| D    | 20A+5A (DCD)          | 62.4           | 61.8     | 36.0       | 27.0     | 63.0              | 49.5 | 36.0 |

Unit: mm

【Note】 Design and specification are subject to change without notice.

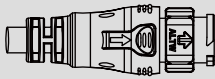
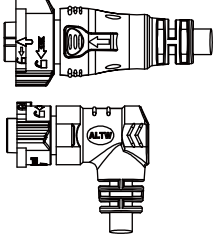
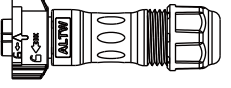
# Contact Configuration

|                | Standard Size (B)   |   |   |   |   |   |   |   |   |  | Middle  |   |   |   |
|----------------|---|---|---|---|---|---|---|---|---|--|---|---|---|---|
|                | Data  |   |   |   | Power   |   |   |   | Hybrid  |  | Data  |   |   |   |
|                | 5A (BD)   |   | 10A (BB)  |   | 5A (BD)   |   | 10A (BB)  |   | 10A+5A (BBD)  |  | 5A (CD)   |   | 10A (CB)  |   |
| ④⑤             | MM or FF  | MF or FM  | MM or FF  | MF or FM  | MM or FF  | MF or FM  | MM or FF  | MF or FM  | MM or FF  | MF or FM   | MM or FF  | MF or FM  | MM or FF  | MF or FM  |
| 2 Pin<br>(02)  |    |  |  |  |   |   |  |  |   |  |   |   |   |   |
|                | R   C   F   | R   C   F   | R   C   | R   C   |   |   | R   C   F   | R   C   F   |   |  |   |   |   |   |
| 3 Pin<br>(03)  |    |  |  |  |  |  |  |  |  |  |   |   |   |   |
|                | R   C   F   | R   C   F   | R   C   | R   C   | R   C   | R   C   | R   C   F   | R   C   F   | R   C   | R   C  |   |   |   |   |
| 4 Pin<br>(04)  |    |  |  |   |   |   |  |   |  |  |   |   |  |  |
|                | R   C   F   | R   C   F   | R   C   |   |   |   | R   C   F   |   | R   C   | R   C  |   |   | R   C   F   | R   C   F   |
| 5 Pin<br>(05)  |    |  |   |   |   |   |   |   |  |  |   |   |  |  |
|                | R   C   F   | R   C   F   |   |   |   |   |   |   | R   C   | R   C  |   |   | R   C   F   | R   C   F   |
| 6 Pin<br>(06)  |    |  |   |   |   |   |   |   |  |  |   |   |  |   |
|                | R   C   F   | R   C   F   |   |   |   |   |   |   | R   C   | R   C  |   |   | R   C   F   |   |
| 7 Pin<br>(07)  |   |   |   |   |   |   |   |   |   |  |   |   |   |   |
|                | R   C   F   |   |   |   |   |   |   |   |   |  | R   C   F   | R   C   F   |   |   |
| 8 Pin<br>(08)  |  |   |   |   |   |   |   |   |   |  |  |  |   |   |
|                | R   C   F   |   |   |   |   |   |   |   |   |  | R   C   F   | R   C   F   |   |   |
| 9 Pin<br>(09)  |   |   |   |   |   |   |   |   |   |  |  |  |   |   |
|                |   |   |   |   |   |   |   |   |   |  | R   C   F   | R   C   F   |   |   |
| 10 Pin<br>(10) |   |   |   |   |   |   |   |   |   |  |  |   |   |   |
|                |   |   |   |   |   |   |   |   |   |  | R   C   F   |   |   |   |
| 11 Pin<br>(11) |   |   |   |   |   |   |   |   |   |  |   |   |   |   |
| 12 Pin<br>(12) |   |   |   |   |   |   |   |   |   |  |  |   |   |   |
|                |   |   |   |   |   |   |   |   |   |  | R   C   F   |   |   |   |
| 14 Pin<br>(14) |   |   |   |   |   |   |   |   |   |  |   |   |   |   |
| 18 Pin<br>(18) |   |   |   |   |   |   |   |   |   |  |   |   |   |   |

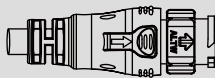
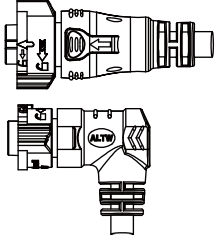
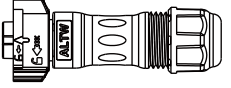


## Find Our Standard Products

### Standard Size: 5/8"-27 UNS > In-line

| • Male Connector (Housing)<br>• Male Contacts<br>• Push Lock |                       |                       | Overmolded with Cable   | Overmolded with Cable  | Field Installable   |
|--|-----------------------|-----------------------|---|--|---|
|  |                       |                       |  |  | <br>ASSP-2 FAC 6<br>P/N refers to page 20-22 |
| Group  | Current Rating (Code) | Contacts 2            | Male Connector (M)<br>Male Contacts (M)   | Female Connector (F)<br>Female Contacts (F)  | Female Connector (F)<br>Female Contacts (F)   |
| Data   | 5A (BD)               | 02,03,04, 05,06,07,08 | BD- 2 AMMM-QL8DXX*  | BD- 2 AFFM-QL8DXX*<br>BD- 2 AFFM-QR8DXX*   | BD- 2 BFFA-QL8X <sup>1</sup> X <sup>2</sup> 0**   |
|  | 10A (BB)              | 02,03,04              | BB- 2 AMMM-QL8DXX*  | BB- 2 AFFM-QL8DXX*<br>BB- 2 AFFM-QR8DXX*   | -   |
| Power  | 5A (BD)               | 03                    | BD-03AMMM-QL8EXX*   | BD-03AFFM-QL8EXX*<br>BD-03AFFM-QR8EXX*   | -   |
|  | 10A (BB)              | 02,03,04              | BB- 2 AMMM-QL8EXX*  | BB- 2 AFFM-QL8EXX*<br>BB- 2 AFFM-QR8EXX*   | BB- 2 BFFA-QL8X <sup>1</sup> X <sup>2</sup> P**   |
| Hybrid   | 10A+5A (BBD)          | 06                    | BBD-06AMMM-QL8FXX*  | BBD-06AFFM-QL8FXX*<br>BBD-06AFFM-QR8FXX*   | -   |

### Standard Size: 5/8"-27 UNS > In-line

| • Male Connector (Housing)<br>• Female Contacts<br>• Push Lock |                       |                 | Overmolded with Cable   | Overmolded with Cable  | Field Installable   |
|--|-----------------------|-----------------|---|--|---|
|  |                       |                 |  |  | <br>ASSP-2 FAC 6<br>P/N refers to page 20-22 |
| Group  | Current Rating (Code) | Contacts 2      | Male Connector (M)<br>Female Contacts (F)   | Female Connector (F)<br>Male Contacts (M)  | Female Connector (F)<br>Male Contacts (M)   |
| Data   | 5A (BD)               | 02,03,04, 05,06 | BD- 2 AMFM-QL8DXX*  | BD- 2 AFMM-QL8DXX*<br>BD- 2 AFMM-QR8DXX*   | BD- 2 BFMA-QL8X <sup>1</sup> X <sup>2</sup> 0**   |
|  | 10A (BB)              | 02,03,04        | BB- 2 AMFM-QL8DXX*  | BB- 2 AFMM-QL8DXX*<br>BB- 2 AFMM-QR8DXX*   | -   |
| Power  | 5A (BD)               | 03              | BD-03AMFM-QL8EXX*   | BD-03AFMM-QL8EXX*<br>BD-03AFMM-QR8EXX*   | -   |
|  | 10A (BB)              | 02,03           | BB- 2 AMFM-QL8EXX*  | BB- 2 AFMM-QL8EXX*<br>BB- 2 AFMM-QR8EXX*   | BB- 2 BFMA-QL8X <sup>1</sup> X <sup>2</sup> P**   |
| Hybrid   | 10A+5A (BBD)          | 06              | BBD-06AMFM-QL8FXX*  | BBD-06AFMM-QL8FXX*<br>BBD-06AFMM-QR8FXX*   | -   |

\*XX: Choose the cable length from 01-99 m

\*\*X<sup>1</sup>X<sup>2</sup>: Seal Size + Package Options

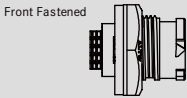
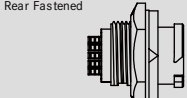
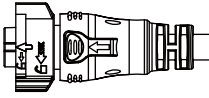
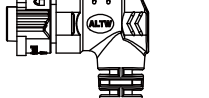

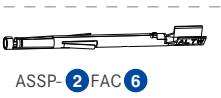
e.g. (SN) = Seal S + Connector without Contact

X<sup>1</sup>: Seal Size  
 (S) 5.0~6.0mm  
 (M) 6.0~8.0mm  
 (L) 8.0~10.0mm

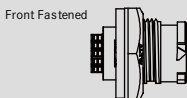
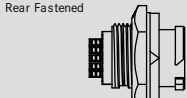
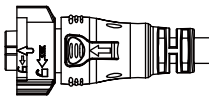
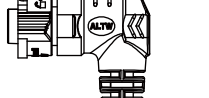

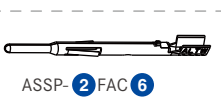
X<sup>2</sup>: Package Options  
 (N) Connector without Contact  
 (P) Connector with Contacts

[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]

## Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair

| <ul style="list-style-type: none"> <li>Male Connector (Housing)</li> <li>Male Contacts</li> <li>Push Lock</li> </ul> |                       |                       | Receptacle<br><br> | Overmolded with Cable<br><br> | Field Installable<br><br><br>ASSP- 2 FAC 6<br>P/N refers to page 20-22 |
|--|-----------------------|-----------------------|--|---|--|
| Group  | Current Rating (Code) | Contacts 2            | Male Connector (M)<br>Female Contacts (F)  | Female Connector (F)<br>Male Contacts (M)   | Female Connector (F)<br>Female Contacts (F)  |
| Data   | 5A (BD)               | 02,03,04, 05,06,07,08 | BD- 2 PMMS-QC8001<br>BD- 2 RMMS-QC8001   | BD- 2 AFFM-QL8DXX*<br>BD- 2 AFFM-QR8DXX*  | BD- 2 BFFA-QL8X <sup>1</sup> X <sup>2</sup> 0**  |
|  | 10A (BB)              | 02,03,04              | BB- 2 PMMS-QC8001<br>BB- 2 RMMS-QC8001   | BB- 2 AFFM-QL8DXX*<br>BB- 2 AFFM-QR8DXX*  | -  |
| Power  | 5A (BD)               | 03                    | BD-03PMMS-QC800P<br>BD-03RMMS-QC800P   | BD-03AFFM-QL8EXX*<br>BD-03AFFM-QR8EXX*  | -  |
|  | 10A (BB)              | 02,03,04              | BB- 2 PMMS-QC800P<br>BB- 2 RMMS-QC800P   | BB- 2 AFFM-QL8EXX*<br>BB- 2 AFFM-QR8EXX*  | BB- 2 BFFA-QL8X <sup>1</sup> X <sup>2</sup> P**  |
| Hybrid   | 10A+5A (BBD)          | 06                    | BBD-06PMMS-QC8001<br>BBD-06RMMS-QC8001   | BBD-06AFFM-QL8FXX*<br>BBD-06AFFM-QR8FXX*  | -  |

## Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair

| <ul style="list-style-type: none"> <li>Male Connector (Housing)</li> <li>Male Contacts</li> <li>Push Lock</li> </ul> |                       |                 | Receptacle<br><br> | Overmolded with Cable<br><br> | Field Installable<br><br><br>ASSP- 2 FAC 6<br>P/N refers to page 20-22 |
|--|-----------------------|-----------------|--|---|--|
| Group  | Current Rating (Code) | Contacts 2      | Male Connector (M)<br>Female Contacts (F)  | Female Connector (F)<br>Male Contacts (M)   | Female Connector (F)<br>Male Contacts (M)  |
| Data   | 5A (BD)               | 02,03,04, 05,06 | BD- 2 RMFS-QC8001<br>BD- 2 PMFS-QC8001   | BD- 2 AFMM-QL8DXX*<br>BD- 2 AFMM-QR8DXX*  | BD- 2 BFMA-QL8X <sup>1</sup> X <sup>2</sup> 0**  |
|  | 10A (BB)              | 02,03           | BB- 2 RMFS-QC8001<br>BB- 2 PMFS-QC8001   | BB- 2 AFMM-QL8DXX*<br>BB- 2 AFMM-QR8DXX*  | -  |
| Power  | 5A (BD)               | 03              | BD-03RMFS-QC800P<br>BD-03PMFS-QC800P   | BD-03AFMM-QL8EXX*<br>BD-03AFMM-QR8EXX*  | -  |
|  | 10A (BB)              | 02,03           | BB- 2 RMFS-QC800P<br>BB- 2 PMFS-QC800P   | BB- 2 AFMM-QL8EXX*<br>BB- 2 AFMM-QR8EXX*  | BB- 2 BFMA-QL8X <sup>1</sup> X <sup>2</sup> P**  |
| Hybrid   | 10A+5A (BBD)          | 06              | BBD-06RMFS-QC8001<br>BBD-06PMFS-QC8001   | BBD-06AFMM-QL8FXX*<br>BBD-06AFMM-QR8FXX*  | -  |

\*XX: Choose the cable length from 01-99 m

\*\*X<sup>1</sup>X<sup>2</sup>: Seal Size + Package Options  
e.g. (SN) = Seal S + Connector without Contact

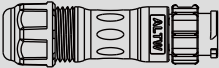

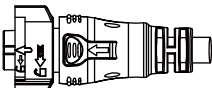
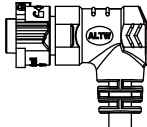
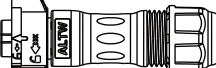

X<sup>1</sup>: Seal Size  
(S) 5.0~6.0mm  
(M) 6.0~8.0mm  
(L) 8.0~10.0mm

X<sup>2</sup>: Package Options  
(N) Connector without Contact  
(P) Connector with Contacts

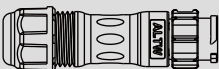

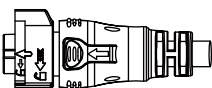
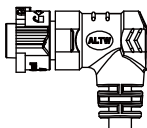
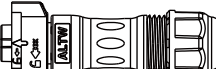
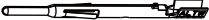
[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]

[Note] Design and specification are subject to change without notice.

## Standard Size: 5/8"-27 UNS > In-Line

| <ul style="list-style-type: none"> <li>Male Connector (Housing)</li> <li>Male Contacts</li> <li>Push Lock</li> </ul> |                          |                          | Field Installable<br><br>-----<br><br>ASSP- ② FAC ⑥<br>P/N refers to page xxx | Overmolded with Cable<br><br> | Field Installable<br><br>-----<br><br>ASSP- ② FAC ⑥<br>P/N refers to page 20-22 |
|--|--------------------------|--------------------------|---|--|---|
| Group  | Current Rating<br>(Code) | Contacts ②               | Male Connector (M)<br>Male Contacts (M)   | Female Connector (F)<br>Female Contacts (F)  | Female Connector (F)<br>Female Contacts (F)   |
| Data   | 5A<br>(BD)               | 02,03,04,<br>05,06,07,08 | BD- ② BMMA-QL8X <sup>1</sup> X <sup>2</sup> 0**   | BD- ② AFFM-QL8DXX*<br>BD- ② AFFM-QR8DXX*   | BD- ② BFFA-QL8X <sup>1</sup> X <sup>2</sup> 0**   |
| Power  | 10A<br>(BB)              | 02,03,04                 | BD- ② BMMA-QL8X <sup>1</sup> X <sup>2</sup> P**   | BB- ② AFFM-QL8DXX*<br>BB- ② AFFM-QR8DXX*   | BD- ② BFFA-QL8X <sup>1</sup> X <sup>2</sup> P**   |

## Standard Size: 5/8"-27 UNS > In-Line

|       |                          |                    | Field Installable<br><br>-----<br><br>ASSP- ② FAC ⑥<br>P/N refers to page xxx | Overmolded with Cable<br><br> | Field Installable<br><br>-----<br><br>ASSP- ② FAC ⑥<br>P/N refers to page 20-22 |
|-------|--------------------------|--------------------|--|---|--|
| Group | Current Rating<br>(Code) | Contacts ②         | Male Connector (M)<br>Female Contacts (F)  | Female Connector (F)<br>Male Contacts (M)   | Female Connector (F)<br>Male Contacts (M)  |
| Data  | 5A<br>(BD)               | 02,03,04,<br>05,06 | BD- ② BMFA-QL8X <sup>1</sup> X <sup>2</sup> 0**  | BD- ② AFMM-QL8DXX*<br>BD- ② AFMM-QR8DXX*  | BD- ② BFMA-QL8X <sup>1</sup> X <sup>2</sup> 0**  |
| Power | 10A<br>(BB)              | 02,03              | BB- ② BMFA-QL8X <sup>1</sup> X <sup>2</sup> P**  | BB- ② AFMM-QL8DXX*<br>BB- ② AFMM-QR8DXX*  | BB- ② BFMA-QL8X <sup>1</sup> X <sup>2</sup> P**  |

\*XX: Choose the cable length from 01-99 m

\*\*X<sup>1</sup>X<sup>2</sup>: Seal Size + Package Options  
e.g. (SN) = Seal S + Connector without Contact

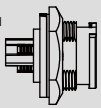
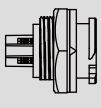
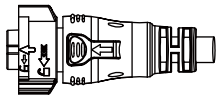
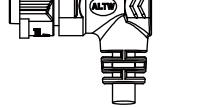

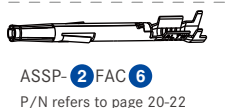
X<sup>1</sup>: Seal Size  
(S) 5.0~6.0mm  
(M) 6.0~8.0mm  
(L) 8.0~10.0mm

X<sup>2</sup>: Package Options  
(N) Connector without Contact  
(P) Connector with Contacts

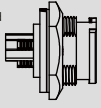
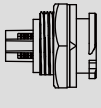
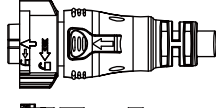
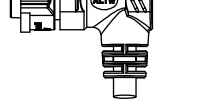

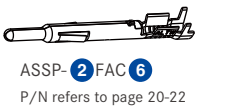
[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]



## Middle Size 13/16"-28UNS > Receptacle and Mating Pair

| <ul style="list-style-type: none"> <li>• Male Connector (Housing)</li> <li>• Male Contacts</li> <li>• Push Lock</li> </ul> |                          |                   | Receptacle <div>   </div> | Overmolded with Cable <div>   </div> | Field Installable <div>   </div> ASSP- <b>2</b> FAC <b>6</b><br>P/N refers to page 20-22 |
|--|--------------------------|-------------------|---|--|--|
| Group  | Current Rating<br>(Code) | Contacts <b>2</b> | Male Connector (M)<br>Male Contacts (M)   | Female Connector (F)<br>Female Contacts (F)  | Female Connector (F)<br>Female Contacts (F)  |
| Data   | 5A<br>(CD)               | 08,09,10,12       | CD- <b>2</b> PMMS-QC8001  | CD- <b>2</b> AFFM-QL8DXX*<br>CD- <b>2</b> AFFM-QR8DXX*   | CD- <b>2</b> BFFA-QL8X <sup>1</sup> X <sup>2</sup> 0**   |
|  | 10A<br>(CB)              | 04,05,06          | CB- <b>2</b> PMMS-QC8001  | CB- <b>2</b> AFFM-QL8DXX*  | CB- <b>2</b> BFFA-QL8X <sup>1</sup> X <sup>2</sup> 0**   |
| Power  | 20A<br>(CC)              | 02,03             | CC- <b>2</b> PMMS-QC800P  | CC- <b>2</b> AFFM-QL8EXX*<br>CC- <b>2</b> AFFM-QR8EXX*   | CC- <b>2</b> BFFA-QL8X <sup>1</sup> X <sup>2</sup> P**   |
| Hybrid   | 10A+5A<br>(CBD)          | 08                | CBD-08PMMS-QC8001   | CBD-08AFFM-QL8FXX*<br>CBD-08AFFM-QR8FXX*   | -  |

## Middle Size 13/16"-28UNS > Receptacle and Mating Pair

| <ul style="list-style-type: none"> <li>• Male Connector (Housing)</li> <li>• Male Contacts</li> <li>• Push Lock</li> </ul> |                          |                   | Receptacle <div>   </div> | Overmolded with Cable <div>   </div> | Field Installable <div>   </div> ASSP- <b>2</b> FAC <b>6</b><br>P/N refers to page 20-22 |
|--|--------------------------|-------------------|---|--|--|
| Group  | Current Rating<br>(Code) | Contacts <b>2</b> | Male Connector (M)<br>Female Contacts (F)   | Female Connector (F)<br>Male Contacts (M)  | Female Connector (F)<br>Male Contacts (M)  |
| Data   | 5A<br>(CD)               | 07,08,09          | CD- <b>2</b> PMFS-QC8001  | CD- <b>2</b> AFMM-QL8DXX*<br>CD- <b>2</b> AFMM-QR8DXX*   | CD- <b>2</b> BFMA-QL8X <sup>1</sup> X <sup>2</sup> 0**   |
|  | 10A<br>(CB)              | 04,05             | CB- <b>2</b> PMFS-QC8001  | CB- <b>2</b> AFMM-QL8DXX*<br>CB- <b>2</b> AFMM-QL8DXX*   | CB- <b>2</b> BFMA-QL8X <sup>1</sup> X <sup>2</sup> 0**   |
| Power  | 20A<br>(CC)              | 02,03             | CC- <b>2</b> PMFS-QC800P  | CC- <b>2</b> AFMM-QL8EXX*<br>CC- <b>2</b> AFMM-QR8EXX*   | CC- <b>2</b> BFMA-QL8X <sup>1</sup> X <sup>2</sup> P**   |
| Hybrid   | 10A+5A<br>(CBD)          | 08                | CBD-08PMFS-QC8001   | CBD-08AFMM-QL8FXX*<br>CBD-08AFMM-QR8FXX*   | -  |

\*XX: Choose the cable length from 01-99 m

\*\*X<sup>1</sup>X<sup>2</sup>: Seal Size + Package Options  
e.g. (SN) = Seal S + Connector without Contact

X<sup>1</sup>: Seal Size



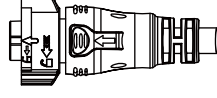



(S) 6.0~8.0mm  
(M) 8.0~10.0mm  
(L) 10.0~12.0mm

X<sup>2</sup>: Package Options



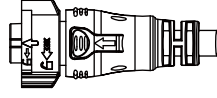



(N) Connector without Contact  
(P) Connector with Contacts

[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]

## ▮ Middle Size 13/16"-28UNS > Receptacle and Mating Pair

| <ul style="list-style-type: none"> <li>• Male Connector (Housing)</li> <li>• Male Contacts</li> <li>• Push Lock</li> </ul> |                          |                   | <b>Receptacle</b> <div>   </div> | <b>Overmolded with Cable</b> <div>   </div> | <b>Field Installable</b> <div>   <p>ASSP- <b>2</b> FAC <b>6</b><br/>P/N refers to page 20-22</p> </div> |
|--|--------------------------|-------------------|--|--|---|
| Group  | Current Rating<br>(Code) | Contacts <b>2</b> | Male Connector (M)<br>Male Contacts (M)  | Female Connector (F)<br>Female Contacts (F)  | Female Connector (F)<br>Female Contacts (F)   |
| Data   | 5A<br>(CD)               | 08,09,10,12       | CD- <b>2</b> PMMS-QC8001<br>CD- <b>2</b> RMMS-QC8001   | CD- <b>2</b> AFFM-QL8DXX*<br>CD- <b>2</b> AFFM-QR8DXX*   | CD- <b>2</b> BFFA-QL8X <sup>1</sup> X <sup>2</sup> 0**  |
|  | 10A<br>(CB)              | 04,05,06          | CB- <b>2</b> PMMS-QC8001<br>CB- <b>2</b> RMMS-QC8001   | CB- <b>2</b> AFFM-QL8DXX*  | CB- <b>2</b> BFFA-QL8X <sup>1</sup> X <sup>2</sup> 0**  |
| Power  | 20A<br>(CC)              | 02,03             | CC- <b>2</b> PMMS-QC800P<br>CC- <b>2</b> RMMS-QC800P   | CC- <b>2</b> AFFM-QL8EXX*<br>CC- <b>2</b> AFFM-QR8EXX*   | CC- <b>2</b> BFFA-QL8X <sup>1</sup> X <sup>2</sup> P**  |
| Hybrid   | 10A+5A<br>(CBD)          | 08                | CBD-08PMMS-QC8001<br>CBD-08RMMS-QC8001   | CBD-08AFFM-QL8FXX*<br>CBD-08AFFM-QR8FXX*   | -   |

## ▮ Middle Size 13/16"-28UNS > Receptacle and Mating Pair

| <ul style="list-style-type: none"> <li>• Male Connector (Housing)</li> <li>• Female Contacts</li> <li>• Push Lock</li> </ul> |                          |                   | <b>Receptacle</b> <div>   </div> | <b>Overmolded with Cable</b> <div>   </div> | <b>Field Installable</b> <div>   <p>ASSP- <b>2</b> FAC <b>6</b><br/>P/N refers to page 20-22</p> </div> |
|--|--------------------------|-------------------|--|--|---|
| Group  | Current Rating<br>(Code) | Contacts <b>2</b> | Male Connector (M)<br>Female Contacts (F)  | Female Connector (F)<br>Male Contacts (M)  | Female Connector (F)<br>Male Contacts (M)   |
| Data   | 5A<br>(CD)               | 08,09,10,12       | CD- <b>2</b> PMFS-QC8001<br>CD- <b>2</b> RMFS-QC8001   | CD- <b>2</b> AFMM-QL8DXX*<br>CD- <b>2</b> AFMM-QR8DXX*   | CD- <b>2</b> BFMA-QL8X <sup>1</sup> X <sup>2</sup> 0**  |
|  | 10A<br>(CB)              | 04,05,06          | CB- <b>2</b> PMFS-QC8001<br>CB- <b>2</b> RMFS-QC8001   | CB- <b>2</b> AFMM-QL8DXX*  | CB- <b>2</b> BFMA-QL8X <sup>1</sup> X <sup>2</sup> 0**  |
| Power  | 20A<br>(CC)              | 02,03             | CC- <b>2</b> PMFS-QC800P<br>CC- <b>2</b> RMFS-QC800P   | CC- <b>2</b> AFMM-QL8EXX*<br>CC- <b>2</b> AFMM-QR8EXX*   | CC- <b>2</b> BFMA-QL8X <sup>1</sup> X <sup>2</sup> P**  |
| Hybrid   | 10A+5A<br>(CBD)          | 08                | CBD-08PMFS-QC8001<br>CBD-08RMFS-QC8001   | CBD-08AFMM-QL8FXX*<br>CBD-08AFMM-QR8FXX*   | -   |

\*XX: Choose the cable length from 01-99 m

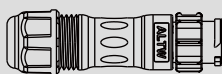

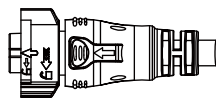
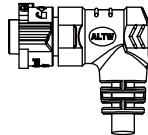
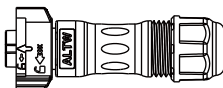

\*\*X<sup>1</sup>X<sup>2</sup>: Seal Size + Package Options  
e.g. (SN) = Seal S + Connector without Contact

X<sup>1</sup>: Seal Size  
(S) 6.0~8.0mm  
(M) 8.0~10.0mm  
(L) 10.0~12.0mm

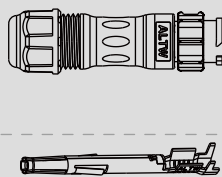
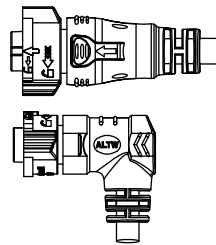
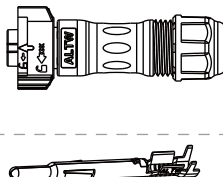
X<sup>2</sup>: Package Options  
(N) Connector without Contact  
(P) Connector with Contacts

[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]

## Middle Size 13/16"-28UNS > In-Line

|  |                       |             |   |   |   |
|--|-----------------------|-------------|---|---|---|
| <ul style="list-style-type: none"><li>• Male Connector (Housing)</li><li>• Male Contacts</li><li>• Push Lock</li></ul> |                       |             | Field Installable   | Overmolded with Cable   | Field Installable   |
|  |                       |             | <br><br><br><br>ASSP- 2 FAC 6<br>P/N refers to page xxx | <br><br> | <br><br><br><br>ASSP- 2 FAC 6<br>P/N refers to page 20-22 |
| Group  | Current Rating (Code) | Contacts 2  | Male Connector (M)<br>Male Contacts (M)   | Female Connector (F)<br>Female Contacts (F)   | Female Connector (F)<br>Female Contacts (F)   |
| Data   | 5A (CD)               | 08,09,10,12 | CD- 2 BMMA-QL8X <sup>1</sup> X <sup>2</sup> 0**   | CD- 2 AFFM-QL8DXX*<br>CD- 2 AFFM-QR8DXX*  | CD- 2 BFFA-QL8X <sup>1</sup> X <sup>2</sup> 0**   |
|  | 10A (CB)              | 04,05,06    | CB- 2 BMMA-QL8X <sup>1</sup> X <sup>2</sup> 0**   | CB- 2 AFFM-QL8DXX*  | CB- 2 BFFA-QL8X <sup>1</sup> X <sup>2</sup> 0**   |
| Power  | 20A (CC)              | 02,03       | CC- 2 BMMA-QL8X <sup>1</sup> X <sup>2</sup> P**   | CC- 2 AFFM-QL8EXX*<br>CC- 2 AFFM-QR8EXX*  | CC- 2 BFFA-QL8X <sup>1</sup> X <sup>2</sup> P**   |

## Middle Size 13/16"-28UNS > In-Line

| <ul style="list-style-type: none"><li>• Male Connector (Housing)</li><li>• Male Contacts</li><li>• Push Lock</li></ul> |                          |            | Field Installable  | Overmolded with Cable   | Field Installable  |
|--|--------------------------|------------|--|---|--|
|  |                          |            | <br>ASSP- 2 FAC 6<br>P/N refers to page xxx | <br>ASSP- 2 FAC 6<br>P/N refers to page 20-22 | <br>ASSP- 2 FAC 6<br>P/N refers to page 20-22 |
| Group  | Current Rating<br>(Code) | Contacts 2 | Male Connector (M)<br>Female Contacts (F)  | Female Connector (F)<br>Male Contacts (M)   | Female Connector (F)<br>Male Contacts (M)  |
| Data   | 5A<br>(CD)               | 07,08,09   | CD- 2 BMFA-QL8X <sup>1</sup> X <sup>2</sup> 0**  | CD- 2 AFMM-QL8DXX*<br>CD- 2 AFMM-QR8DXX*  | CD- 2 BFMA-QL8X <sup>1</sup> X <sup>2</sup> 0**  |
|  | 10A<br>(CB)              | 04,05      | CB- 2 BMFA-QL8X <sup>1</sup> X <sup>2</sup> 0**  | CD- 2 AFMM-QL8DXX*<br>CD- 2 AFMM-QR8DXX*  | CB- 2 BFMA-QL8X <sup>1</sup> X <sup>2</sup> 0**  |
| Power  | 20A<br>(CC)              | 02,03      | CC- 2 BMFA-QL8X <sup>1</sup> X <sup>2</sup> P**  | CC- 2 AFMM-QL8EXX*<br>CC- 2 AFMM-QR8EXX*  | CC- 2 BFMA-QL8X <sup>1</sup> X <sup>2</sup> P**  |

\*XX: Choose the cable length from 01-99 m

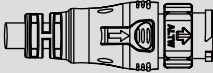
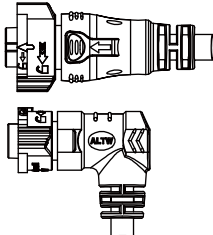
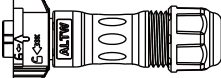

\*\*X<sup>1</sup>X<sup>2</sup>: Seal Size + Package Options  
e.g. (SN) = Seal S + Connector without Contact

X<sup>1</sup>: Seal Size  
(S) 6.0-8.0mm  
(M) 8.0-10.0mm  
(L) 10.0-12.0mm

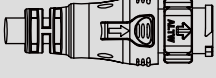
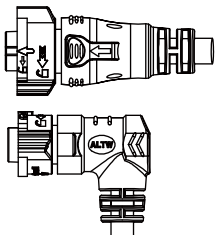
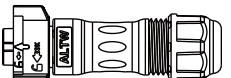

X<sup>2</sup>: Package Options  
(N) Connector without Contact  
(P) Connector with Contacts

[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]

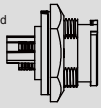
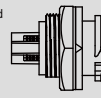
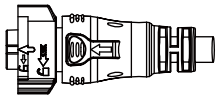
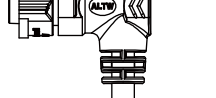
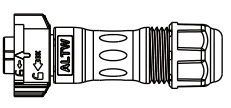
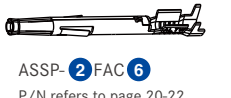
## Large Size 1"-20UNEF > In-Line

| <ul style="list-style-type: none"> <li>Male Connector (Housing)</li> <li>Male Contacts</li> <li>Push Lock</li> </ul> |                       |            | Overmolded with Cable   | Overmolded with Cable  | Field Installable  |
|--|-----------------------|------------|---|--|--|
|  |                       |            |  |  | <br><br><br>ASSP-2 FAC 6<br>P/N refers to page 20-22 |
| Group  | Current Rating (Code) | Contacts 2 | Male Connector (M)<br>Male Contacts (M)   | Female Connector (F)<br>Female Contacts (F)  | Female Connector (F)<br>Female Contacts (F)  |
| Data   | 5A (DD)               | 14,18      | DD- 2 AMMM-QL8DXX*  | DD- 2 AFFM-QL8DXX*<br>DD- 2 AFFM-QL8DXX*   | DD- 2 BFFA-QL8X <sup>1</sup> X <sup>2</sup> 0**  |
| Power  | 20A (DC)              | 02,03,05   | DC- 2 AMMM-QL8EXX*  | DC- 2 AFFM-QL8EXX*<br>DC- 2 AFFM-QL8EXX*   | DC- 2 BFFA-QL8X <sup>1</sup> X <sup>2</sup> P**  |
| Hybrid   | 20A+5A (DCD)          | 12         | DCD- 2 AMMM-QL8FXX*   | DCD- 2 AFFM-QL8FXX*<br>DCD- 2 AFFM-QL8FXX*   | -  |

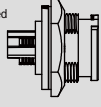
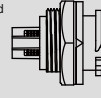
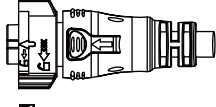
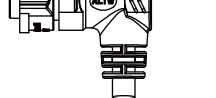
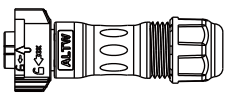
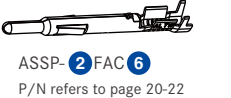
## Large Size 1"-20UNEF > In-Line

| <ul style="list-style-type: none"> <li>Male Connector (Housing)</li> <li>Female Contacts</li> <li>Push Lock</li> </ul> |                       |            | Overmolded with Cable   | Overmolded with Cable  | Field Installable  |
|--|-----------------------|------------|---|--|--|
|  |                       |            |  |  | <br><br><br>ASSP-2 FAC 6<br>P/N refers to page 20-22 |
| Group  | Current Rating (Code) | Contacts 2 | Male Connector (M)<br>Female Contacts (F)   | Female Connector (F)<br>Male Contacts (M)  | Female Connector (F)<br>Male Contacts (M)  |
| Data   | 5A (DD)               | 12,14,18   | DD- 2 AMFM-QL8DXX*  | DD- 2 AFMM-QL8DXX*<br>DD- 2 AFMM-QL8DXX*   | DD- 2 BFMA-QL8X <sup>1</sup> X <sup>2</sup> 0**  |
| Power  | 20A (DC)              | 02,03,05   | DC- 2 AMFM-QL8EXX*  | DC- 2 AFMM-QL8EXX*<br>DC- 2 AFMM-QL8EXX*   | DC- 2 BFMA-QL8X <sup>1</sup> X <sup>2</sup> P**  |
| Hybrid   | 20A+5A (DCD)          | 12         | DCD- 2 AMFM-QL8FXX*   | DCD- 2 AFMM-QL8FXX*<br>DCD- 2 AFMM-QL8FXX*   | -  |

## Large Size 1"-20UNEF > Receptacle and Mating Pair

| <ul style="list-style-type: none"> <li>Male Connector (Housing)</li> <li>Male Contacts</li> <li>Push Lock</li> </ul> |                       |                   | Receptacle<br><br> | Overmolded with Cable<br><br> | Field Installable<br><br><br>ASSP- <b>2</b> FAC <b>6</b><br>P/N refers to page 20-22 |
|--|-----------------------|-------------------|--|---|--|
| Group  | Current Rating (Code) | Contacts <b>2</b> | Male Connector (M)<br>Male Contacts (M)  | Female Connector (F)<br>Female Contacts (F)   | Female Connector (F)<br>Female Contacts (F)  |
| Data   | 5A (CD)               | 14, 18            | DD- <b>2</b> PMMS-QC8001<br>DD- <b>2</b> RMMS-QC8001   | DD- <b>2</b> AFFM-QL8DXX*<br>DD- <b>2</b> AFFM-QR8DXX*  | DD- <b>2</b> BFFA-QL8X <sup>1</sup> X <sup>2</sup> 0**   |
| Power  | 10A (DC)              | 02,03,05          | DC- <b>2</b> PMMS-QC800P<br>DC- <b>2</b> RMMS-QC800P   | DC- <b>2</b> AFFM-QL8DXX*   | DC- <b>2</b> BFFA-QL8X <sup>1</sup> X <sup>2</sup> P**   |
| Hybrid   | 20A+5A (DCD)          | 12                | DCD- <b>2</b> PMMS-QC8001<br>DCD- <b>2</b> RMMS-QC8001   | DCD- <b>2</b> AFFM-QL8EXX*<br>DCD- <b>2</b> AFFM-QR8EXX*  | -  |

## Large Size 1"-20UNEF > Receptacle and Mating Pair

| <ul style="list-style-type: none"> <li>Male Connector (Housing)</li> <li>Female Contacts</li> <li>Push Lock</li> </ul> |                       |                   | Receptacle<br><br> | Overmolded with Cable<br><br> | Field Installable<br><br><br>ASSP- <b>2</b> FAC <b>6</b><br>P/N refers to page 20-22 |
|--|-----------------------|-------------------|--|---|--|
| Group  | Current Rating (Code) | Contacts <b>2</b> | Male Connector (M)<br>Female Contacts (F)  | Female Connector (F)<br>Male Contacts (M)   | Female Connector (F)<br>Male Contacts (M)  |
| Data   | 5A (CD)               | 12, 14, 18        | DD- <b>2</b> PMFS-QC8001<br>DD- <b>2</b> RMFS-QC8001   | DD- <b>2</b> AFMM-QL8DXX*<br>DD- <b>2</b> AFMM-QR8DXX*  | DD- <b>2</b> BFMA-QL8X <sup>1</sup> X <sup>2</sup> 0**   |
| Power  | 10A (DC)              | 02,03,05          | DC- <b>2</b> PMFS-QC800P<br>DC- <b>2</b> RMFS-QC800P   | DC- <b>2</b> AFMM-QL8DXX*   | DC- <b>2</b> BFMA-QL8X <sup>1</sup> X <sup>2</sup> P**   |
| Hybrid   | 20A+5A (DCD)          | 12                | DCD- <b>2</b> PMFS-QC8001<br>DCD- <b>2</b> RMFS-QC8001   | DCD- <b>2</b> AFMM-QL8EXX*<br>DCD- <b>2</b> AFMM-QR8EXX*  | -  |

\*XX: Choose the cable length from 01-99 m

\*\*X<sup>1</sup>X<sup>2</sup>: Seal Size + Package Options  
e.g. (SN) = Seal S + Connector without Contact

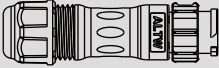

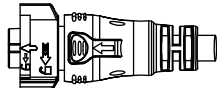
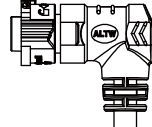
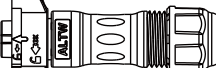

X<sup>1</sup>: Seal Size  
(S) 8.0~10.0mm  
(M) 10.0~12.0mm  
(L) 12.0~14.0mm

X<sup>2</sup>: Package Options  
(N) Connector without Contact  
(P) Connector with Contacts

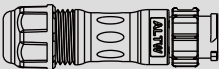
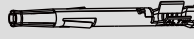
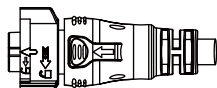
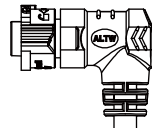
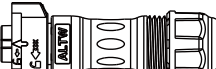

[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]

[Note] Design and specification are subject to change without notice.

## Large Size 1"-20UNEF > In-Line

|  |                          |            |  |  |  |
|--|--------------------------|------------|--|--|--|
| <ul style="list-style-type: none"> <li>Male Connector (Housing)</li> <li>Male Contacts</li> <li>Push Lock</li> </ul> |                          |            | Field Installable<br><br><br>ASSP- 2 FAC 6<br>P/N refers to page xxx | Overmolded with Cable<br><br> | Field Installable<br><br><br>ASSP- 2 FAC 6<br>P/N refers to page 20-22 |
| Group  | Current Rating<br>(Code) | Contacts 2 | Male Connector (M)<br>Male Contacts (M)  | Female Connector (F)<br>Female Contacts (F)  | Female Connector (F)<br>Female Contacts (F)  |
| Data   | 5A<br>(DD)               | 14, 18     | DD- 2 BMMA-QL8X <sup>1</sup> X <sup>2</sup> 0**  | DD- 2 AFFM-QL8DXX*<br>DD- 2 AFFM-QR8DXX*   | DD- 2 BFFA-QL8X <sup>1</sup> X <sup>2</sup> 0**  |
| Power  | 20A<br>(DC)              | 02,03,05   | DC- 2 BMMA-QL8X <sup>1</sup> X <sup>2</sup> P**  | DC- 2 AFFM-QL8DXX*<br>DC- 2 AFFM-QR8DXX*   | DC- 2 BFFA-QL8X <sup>1</sup> X <sup>2</sup> P**  |

## Large Size 1"-20UNEF > In-Line

|  |                          |            |   |   |   |
|--|--------------------------|------------|---|---|---|
| <ul style="list-style-type: none"> <li>Male Connector (Housing)</li> <li>Female Contacts</li> <li>Push Lock</li> </ul> |                          |            | Field Installable<br><br><br>ASSP- 2 FAC 6<br>P/N refers to page xxx | Overmolded with Cable<br><br> | Field Installable<br><br><br>ASSP- 2 FAC 6<br>P/N refers to page 20-22 |
| Group  | Current Rating<br>(Code) | Contacts 2 | Male Connector (M)<br>Female Contacts (F)   | Female Connector (F)<br>Male Contacts (M)   | Female Connector (F)<br>Male Contacts (M)   |
| Data   | 5A<br>(DD)               | 12, 14, 18 | DD- 2 BMFA-QL8X <sup>1</sup> X <sup>2</sup> 0**   | DD- 2 AFMM-QL8DXX*<br>DD- 2 AFMM-QR8DXX*  | DD- 2 BFMA-QL8X <sup>1</sup> X <sup>2</sup> 0**   |
| Power  | 10A<br>(DC)              | 02,03,05   | DC- 2 BMFA-QL8X <sup>1</sup> X <sup>2</sup> P**   | DC- 2 AFMM-QL8DXX*<br>DC- 2 AFMM-QR8DXX*  | DC- 2 BFMA-QL8X <sup>1</sup> X <sup>2</sup> P**   |

\*XX: Choose the cable length from 01-99 m

\*\*X<sup>1</sup>X<sup>2</sup>: Seal Size + Package Options  
e.g. (SN) = Seal S + Connector without Contact

X<sup>1</sup>: Seal Size

(S) 8.0~10.0mm  
(M) 10.0~12.0mm  
(L) 12.0~14.0mm

X<sup>2</sup>: Package Options

(N) Connector without Contact  
(P) Connector with Contacts

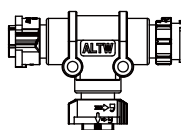
[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]

## I-Adaptor, T-Adaptor & T-Cable

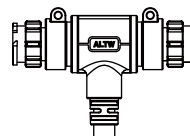
Customization - Upon Request



I-Adaptor



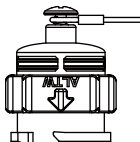
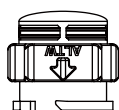
T-Adaptor



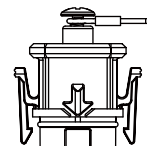
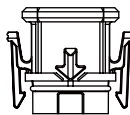
T-Cable

## Waterproof Cap

For female connector



For male connector



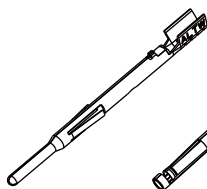
3 More to choose: None (MA) / With Rubber Lead (PC)

4 More to choose: None (MA) / With Fish Line (CD)

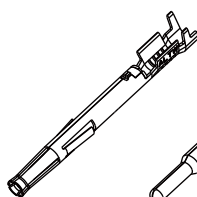
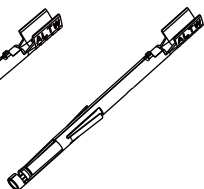
5 More to choose: None (A) / With Fish Line (D)

| Size                         | Mating Pair           | Mating Style | Mating Pair (Gender) | P/N                              |
|------------------------------|-----------------------|--------------|----------------------|----------------------------------|
| Standard Size<br>5/8"-27 UNS | Receptacle            | Push Lock    | Male                 | CAP-WABMQ 3 1                    |
|                              | Overmolded with cable | Push Lock    | Female               | CAP-WABFQ 4 1                    |
|                              |                       |              | Male                 | CAP-WABMQM 5 1                   |
| Middle Size<br>13/16"-28 UNS | Receptacle            | Push Lock    | Male                 | CAP-WACMQ 3 1<br>CAP-WACMQ 3 2   |
|                              | Overmolded with cable | Push Lock    | Female               | CAP-WACFQ 4 1                    |
|                              |                       |              | Male                 | CAP-WACMQM 5 1<br>CAP-WACMQM 5 2 |
|                              |                       |              |                      |                                  |
| Large Size<br>1/20" UNEF     | Receptacle            | Push Lock    | Male                 | CAP-WADMQ 3 1<br>CAP-WADMQ 3 2   |
|                              | Overmolded with cable | Push Lock    | Female               | CAP-WADFQ 4 1                    |
|                              |                       |              | Male                 | CAP-WADMQM 5 1<br>CAP-WADMQM 5 2 |
|                              |                       |              |                      |                                  |

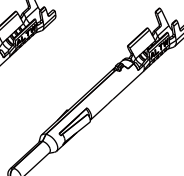
## Contacts & Crimp Tool



5A



10A/20A



Crimp Tool

| Current Rating 2 | Contact Gender | P/N          | Packages 6  | Crimp Tool                       |
|------------------|----------------|--------------|---|----------------------------------|
| 5A (05)          | Male           | ASSP-05MAC 6 | (SA) 50pcs / Bulk<br>(SB) 100pcs / Bulk<br>(SC) 500pcs / Bulk<br>(SD) 1000pcs / Bulk<br>(RE) 3000pcs / Bulk | ASST-C-05-W-A<br>(20AWG ~ 22AWG) |
|                  | Female         | ASSP-05FAC 6 |   |                                  |
| 10A (10)         | Male           | ASSP-10MAC 6 |   | ASST-C-10-W-B<br>(16AWG ~ 18AWG) |
|                  | Female         | ASSP-10FAC 6 |   |                                  |
| 20A (20)         | Male           | ASSP-20MAC 6 |   | ASST-C-20-W-C<br>(12AWG ~ 14AWG) |
|                  | Female         | ASSP-20FAC 6 |   |                                  |

【Note】 Design and specification are subject to change without notice.

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