



## CATALOGUE

## X-Lok Connector

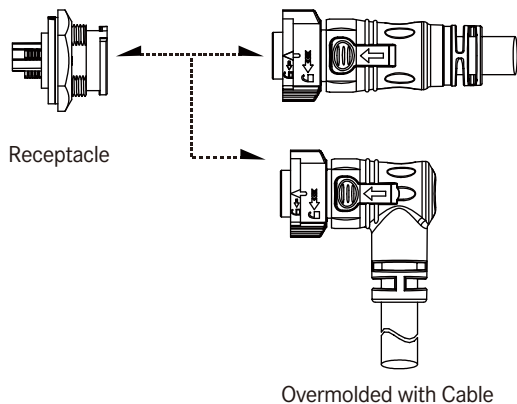




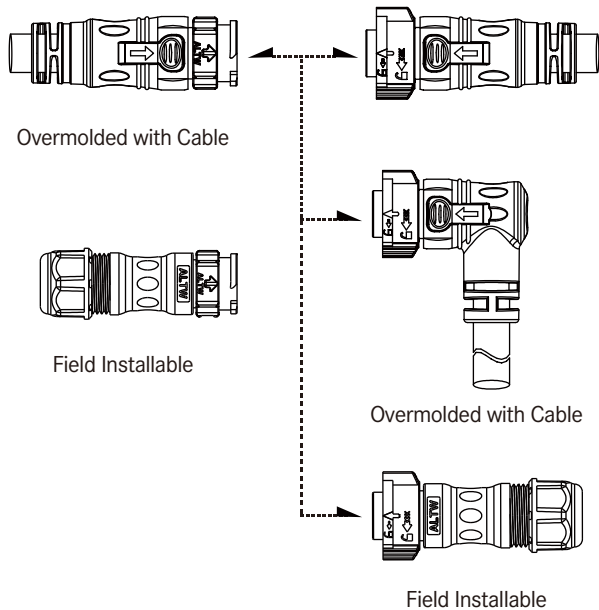
【Note】 Design and specification are subject to change without notice.

## Range Overview

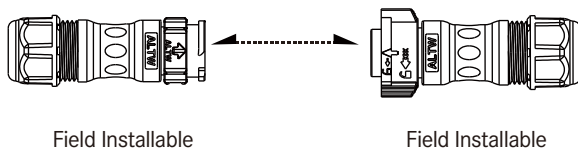
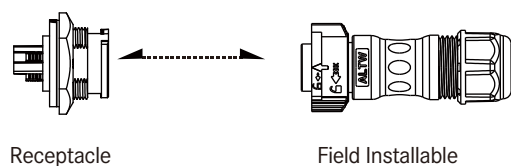
### Receptacle to Overmolded with Cable



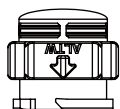
### In-Line



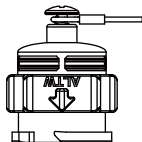
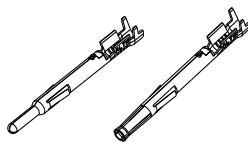
### Receptacle to Field Installable



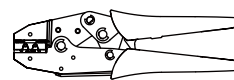
### Accessories



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

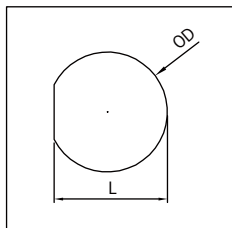
| Specification / Current Rating      |                                                                                                                                                                     |                                                                  | 1                      | 2                              | 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                                                                                                                                                            | (DCD) 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> | <u>(■) : Package Options</u>   | <u>(○) : Application</u> |   |   |   |   |   |   |    |
|                                     |                                                                                                                                                                     |                                                                  | B Size:                | (N) Connector without Contact* | (O) For Data Group       |   |   |   |   |   |   |    |
|                                     |                                                                                                                                                                     |                                                                  | (S) 5.0~6.0mm          | (P) Connector with Contacts    | (P) For Power Group      |   |   |   |   |   |   |    |
|                                     |                                                                                                                                                                     |                                                                  | (M) 6.0~8.0mm          |                                |                          |   |   |   |   |   |   |    |
|                                     |                                                                                                                                                                     |                                                                  | (L) 8.0~10.0mm         |                                |                          |   |   |   |   |   |   |    |
|                                     |                                                                                                                                                                     |                                                                  | C Size:                |                                |                          |   |   |   |   |   |   |    |
|                                     |                                                                                                                                                                     |                                                                  | (S) 6.0~8.0mm          |                                |                          |   |   |   |   |   |   |    |
|                                     |                                                                                                                                                                     |                                                                  | (M) 8.0~10.0mm         |                                |                          |   |   |   |   |   |   |    |
|                                     |                                                                                                                                                                     |                                                                  | (L) 10.0~12.0mm        |                                |                          |   |   |   |   |   |   |    |
|                                     |                                                                                                                                                                     |                                                                  | D Size:                |                                |                          |   |   |   |   |   |   |    |
|                                     |                                                                                                                                                                     |                                                                  | (S) 8.0~10.0mm         |                                |                          |   |   |   |   |   |   |    |
|                                     |                                                                                                                                                                     |                                                                  | (M) 10.0~12.0mm        |                                |                          |   |   |   |   |   |   |    |
|                                     |                                                                                                                                                                     |                                                                  | (L) 12.0~14.0mm        |                                |                          |   |   |   |   |   |   |    |

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

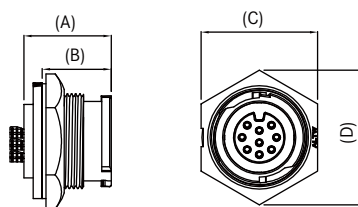
## Physical Dimension | Data Group

### Receptacle

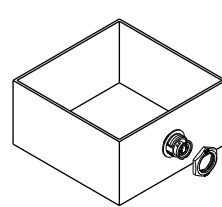
Panel Cut-out



Front Fastened



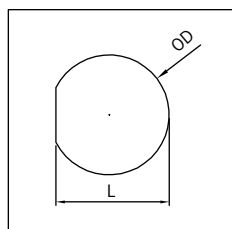
How to Install



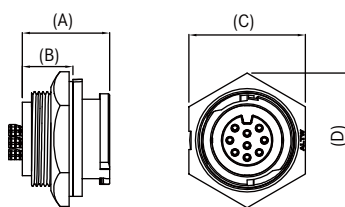
| Size | Current Rating (Code) | L    | OD   | A    | B    | C    | D    | Pannel Thickness Max. |
|------|-----------------------|------|------|------|------|------|------|-----------------------|
| B    | 5A (BD)               | 14.8 | 15.6 | 18.8 | 14.0 | 20.6 | 23.7 | 4                     |
|      | 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

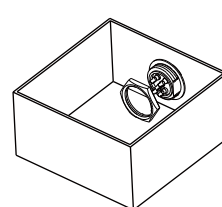
Panel Cut-out



Rear Fastened



How to Install

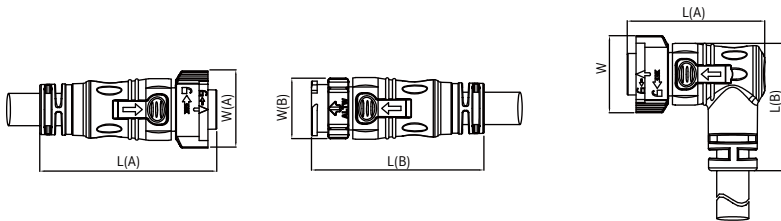


| Size | Current Rating (Code) | L    | OD   | A    | B    | C    | D    | Panel Thickness Max. |
|------|-----------------------|------|------|------|------|------|------|----------------------|
| B    | 5A (BD)               | 14.8 | 15.6 | 18.6 | 10.8 | 20.6 | 23.7 | 4.5                  |
|      | 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

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

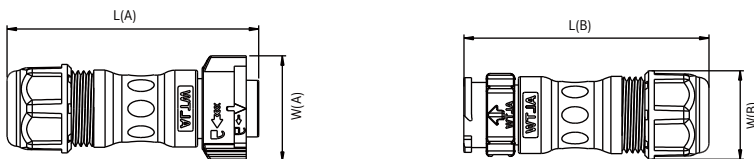
## Overmolded With Cable



| 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



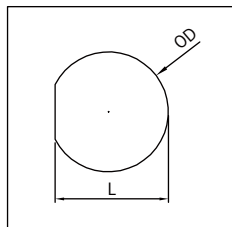
| Size | Current Rating<br>(Code) | Straight Style |          |            |          | Seal Size |           |           |
|------|--------------------------|----------------|----------|------------|----------|-----------|-----------|-----------|
|      |                          | L              |          | 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

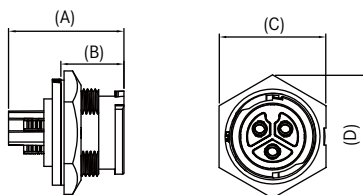
## Physical Dimension | Power Group

### Receptacle

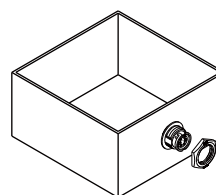
Panel Cut-out



Front Fastened



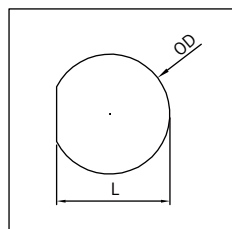
How to Install



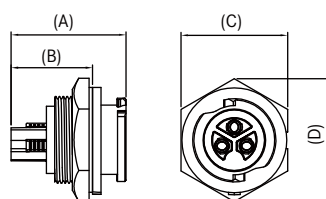
| Size | Current Rating (Code) | L    | OD   | A    | B    | C    | D    | Panel Thickness Max. |
|------|-----------------------|------|------|------|------|------|------|----------------------|
| B    | 5A (BD)               | 14.8 | 15.6 | 18.8 | 14.0 | 20.6 | 23.7 | 4                    |
|      | 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

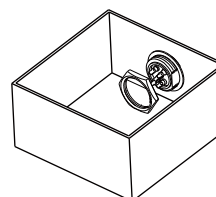
Panel Cut-out



Rear Fastened



How to Install

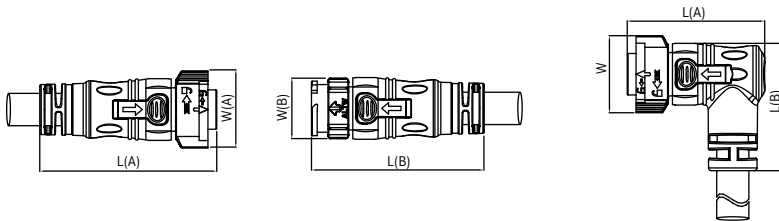


| Size | Current Rating (Code) | L    | OD   | A    | B    | C    | D    | Panel Thickness Max. |
|------|-----------------------|------|------|------|------|------|------|----------------------|
| B    | 5A (BD)               | 14.8 | 15.6 | 18.6 | 10.8 | 20.6 | 23.7 | 4.5                  |
|      | 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



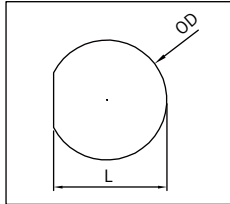
| Size | Current Rating<br>(Code) | Straight Style |          |            |          | Seal Size |           |           |
|------|--------------------------|----------------|----------|------------|----------|-----------|-----------|-----------|
|      |                          | L              |          | 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

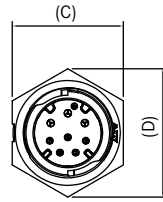
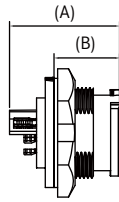
## Physical Dimension | Hybrid Group

### Receptacle

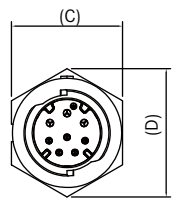
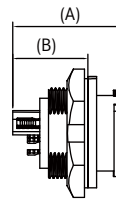
Panel Cut-out



Front Fastened



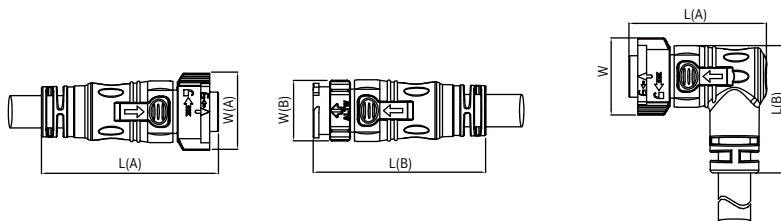
Rear Fastened



| 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) |                                                                                     |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                   |                                                                                    |                                                                                       |                                                                                       |                                                                                     |                                                                                     |

### Large Size (5A | 20A | 20A+5A)

| Size (C)  |           |              |          | Large Size (D) |           |           |           |              |          |
|-----------|-----------|--------------|----------|----------------|-----------|-----------|-----------|--------------|----------|
| Power     |           | Hybrid       |          | Data           |           | Power     |           | Hybrid       |          |
| 20A (CC)  |           | 10A+5A (CBD) |          | 5A (DD)        |           | 20A (DC)  |           | 20A+5A (DCD) |          |
| 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 |
|           |           |              |          |                |           |           |           |              |          |
| R   C   F | R   C   F |              |          |                |           | R   C   F | R   C   F |              |          |
|           |           |              |          |                |           |           |           |              |          |
| R   C   F | R   C   F |              |          |                |           | R   C   F | R   C   F |              |          |
|           |           |              |          |                |           |           |           |              |          |
|           |           | R   C        | R   C    |                |           |           |           | R   C        | R   C    |
|           |           |              |          |                |           |           |           |              |          |
|           |           | R   C        | R   C    |                |           | R   C   F | R   C   F | R   C        | R   C    |
|           |           |              |          |                |           |           |           |              |          |
|           |           | R   C        | R   C    |                |           |           |           | R   C        | R   C    |
|           |           |              |          |                |           |           |           |              |          |
|           |           | R   C        | R   C    |                |           |           |           | R   C        | R   C    |
|           |           |              |          |                |           |           |           |              |          |
|           |           | R   C        | R   C    |                |           |           |           | R   C        | R   C    |
|           |           |              |          |                |           |           |           |              |          |
|           |           |              |          |                |           |           |           | R   C        | R   C    |
|           |           |              |          |                |           |           |           |              |          |
|           |           |              |          |                |           |           |           | R   C        | R   C    |
|           |           |              |          |                |           |           |           |              |          |
|           |           |              |          |                | R   C   F |           |           | R   C        | R   C    |
|           |           |              |          |                |           |           |           |              |          |
|           |           |              |          | R   C   F      | R   C   F |           |           |              |          |
|           |           |              |          |                |           |           |           |              |          |
|           |           |              |          | R   C   F      | R   C   F |           |           |              |          |

**F:** Field Installable

1

⊕ 20A (CC/DC)

⊕ ⊖ 20A + 5A (DCD)

2

4

5

6

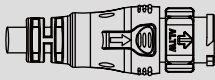
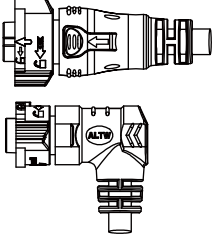
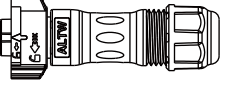
- Crimp (A)



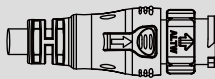
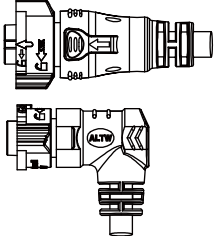
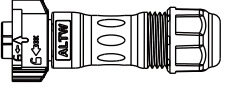
For field installable

## Find Our Standard Products

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

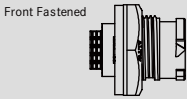
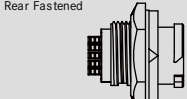
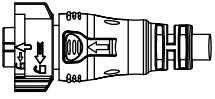
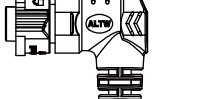
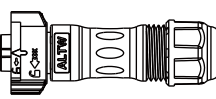
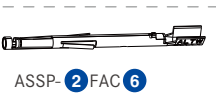
| <ul style="list-style-type: none"> <li>Male Connector (Housing)</li> <li>Female Contacts</li> <li>Push Lock</li> </ul> |                       |                 | Overmolded with Cable                                                               | Overmolded with Cable                                                                | Field Installable                                                                                                                  |
|------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                                                        |                       |                 |  |  | <br>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

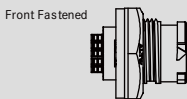
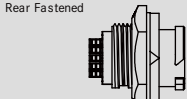
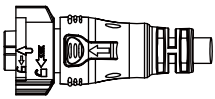
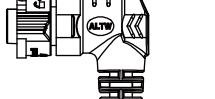
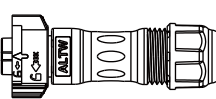
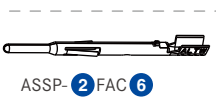
\*\*X<sup>1</sup>X<sup>2</sup>: Seal Size + Package Options  
e.g. (SN) = Seal S + Connector without ContactX<sup>1</sup>: Seal Size  
(S) 5.0~6.0mm  
(M) 6.0~8.0mm  
(L) 8.0~10.0mmX<sup>2</sup>: Package Options  
(N) Connector without Contact  
(P) Connector with Contacts

[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> |                       |                       | <b>Receptacle</b><br><br> | <b>Overmolded with Cable</b><br><br> | <b>Field Installable</b><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> |                       |                 | <b>Receptacle</b><br><br> | <b>Overmolded with Cable</b><br><br> | <b>Field Installable</b><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

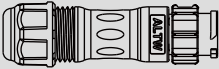
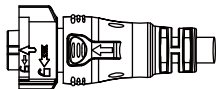
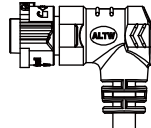
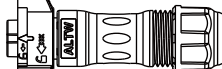
X<sup>1</sup>: Seal Size  
(S) 5.0~6.0mm  
(M) 6.0~8.0mm  
(L) 8.0~10.0mm

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

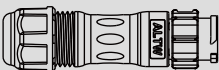
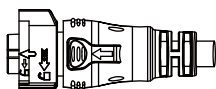
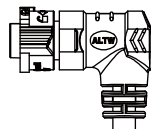
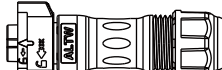
[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]

[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 (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 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 (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 (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 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 (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

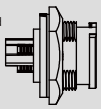
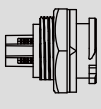
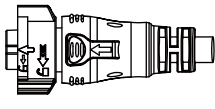
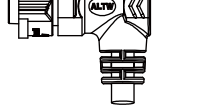
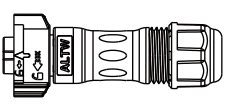
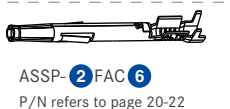
\*\*X<sup>1</sup>X<sup>2</sup>: Seal Size + Package Options  
e.g. (SN) = Seal S + Connector without Contact

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

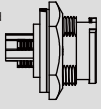
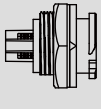
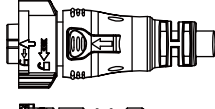
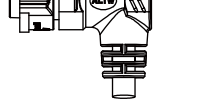
X<sup>2</sup>: Package Options  
(N) Connector without Contact  
(P) Connector with Contacts

[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

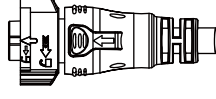
(S) 6.0~8.0mm  
 (M) 8.0~10.0mm  
 (L) 10.0~12.0mm

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

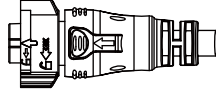
(N) Connector without Contact  
 (P) Connector with Contacts

[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

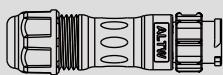
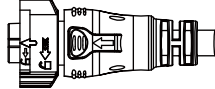
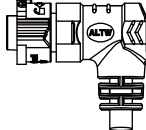
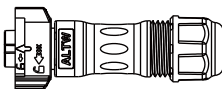
| <ul style="list-style-type: none"> <li>• Male Connector (Housing)</li> <li>• Female Contacts</li> <li>• Push Lock</li> </ul> |                          |                   | <b>Receptacle</b> <div>   </div> | <b>Overmolded with Cable</b> <div>   </div> | <b>Field Installable</b> <div>   <p>ASSP- <b>2</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

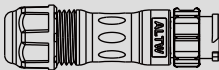
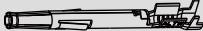
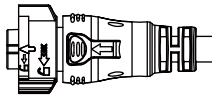
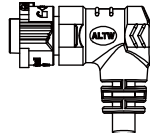
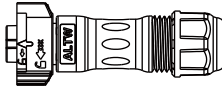
\*\*X<sup>1</sup>X<sup>2</sup>: Seal Size + Package Options  
e.g. (SN) = Seal S + Connector without ContactX<sup>1</sup>: Seal Size  
(S) 6.0~8.0mm  
(M) 8.0~10.0mm  
(L) 10.0~12.0mmX<sup>2</sup>: Package Options  
(N) Connector without Contact  
(P) Connector with Contacts

[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<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>(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<br>(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<br>(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> |                          |                   | <div>Field Installable</div> <div></div> <div></div> <div>ASSP- <b>2</b> FAC <b>6</b><br/>P/N refers to page xxx</div> | <div>Overmolded with Cable</div> <div></div> <div></div> | <div>Field Installable</div> <div></div> <div></div> <div>ASSP- <b>2</b> FAC <b>6</b><br/>P/N refers to page 20-22</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)               | 07,08,09          | CD- <b>2</b> BMFA-QL8X <sup>1</sup> X <sup>2</sup> 0**                                                                                                                                                                                                                                       | 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> BMFA-QL8X <sup>1</sup> X <sup>2</sup> 0**                                                                                                                                                                                                                                       | CD- <b>2</b> AFMM-QL8DXX*<br>CD- <b>2</b> AFMM-QR8DXX*                                                                                                                                                                          | CB- <b>2</b> BFMA-QL8X <sup>1</sup> X <sup>2</sup> 0**                                                                                                                                                                                                                                             |
| Power                                                                                                                  | 20A<br>(CC)              | 02,03             | CC- <b>2</b> BMFA-QL8X <sup>1</sup> X <sup>2</sup> P**                                                                                                                                                                                                                                       | 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**                                                                                                                                                                                                                                             |

\*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

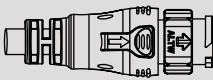
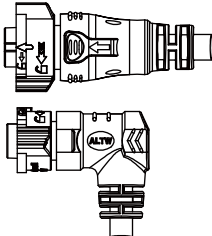
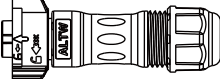
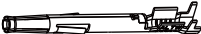
X<sup>2</sup>: Package Options

(N) Connector without Contact

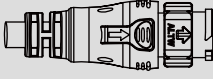
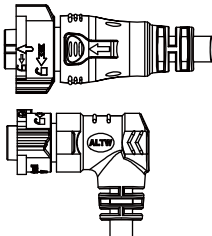
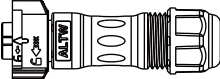
(P) Connector with Contacts

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

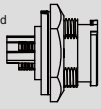
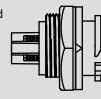
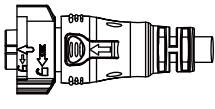
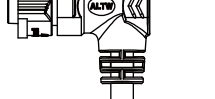
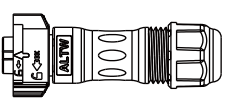
## Large Size 1"-20UNEF > In-Line

| <div> <div></div> <div>Male Connector (Housing)</div> <div>Male Contacts</div> <div>Push Lock</div> </div> |                       |            | 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<br>(DD)            | 14,18      | DD- 2 AMMM-QL8DXX*                                                                | DD- 2 AFFM-QL8DXX*<br>DD- 2 AFFM-QL8DXX*                                           | DD- 2 BFFA-QL8X'X'20**                                                                                                                                                                                                     |
| Power                                                                                                      | 20A<br>(DC)           | 02,03,05   | DC- 2 AMMM-QL8EXX*                                                                | DC- 2 AFFM-QL8EXX*<br>DC- 2 AFFM-QL8EXX*                                           | DC- 2 BFFA-QL8X'X'2P**                                                                                                                                                                                                     |
| Hybrid                                                                                                     | 20A+5A<br>(DCD)       | 12         | DCD- 2 AMMM-QL8FXX*                                                               | DCD- 2 AFFM-QL8FXX*<br>DCD- 2 AFFM-QL8FXX*                                         | -                                                                                                                                                                                                                          |

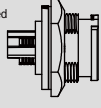
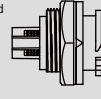
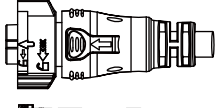
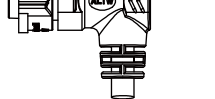
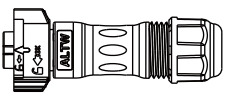
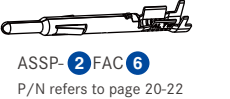
## Large Size 1"-20UNEF > In-Line

| <div> <div></div> <div>Male Connector (Housing)</div> <div>Female Contacts</div> <div>Push Lock</div> </div> |                       |            | 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<br>(DD)            | 12,14,18   | DD- 2 AMFM-QL8DXX*                                                                  | DD- 2 AFMM-QL8DXX*<br>DD- 2 AFMM-QL8DXX*                                             | DD- 2 BFMA-QL8X'X'20**                                                                                                                                                                                                         |
| Power                                                                                                        | 20A<br>(DC)           | 02,03,05   | DC- 2 AMFM-QL8EXX*                                                                  | DC- 2 AFMM-QL8EXX*<br>DC- 2 AFMM-QL8EXX*                                             | DC- 2 BFMA-QL8X'X'2P**                                                                                                                                                                                                         |
| Hybrid                                                                                                       | 20A+5A<br>(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- 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)               | 14, 18     | DD- 2 PMMS-QC8001<br>DD- 2 RMMS-QC8001                                                                                                                                               | DD- 2 AFFM-QL8DXX*<br>DD- 2 AFFM-QR8DXX*                                                                                                                                                          | DD- 2 BFFA-QL8X <sup>1</sup> X <sup>2</sup> 0**                                                                                                                                                                                              |
| Power                                                                                                                | 10A (DC)              | 02,03,05   | DC- 2 PMMS-QC800P<br>DC- 2 RMMS-QC800P                                                                                                                                               | DC- 2 AFFM-QL8DXX*                                                                                                                                                                                | DC- 2 BFFA-QL8X <sup>1</sup> X <sup>2</sup> P**                                                                                                                                                                                              |
| Hybrid                                                                                                               | 20A+5A (DCD)          | 12         | DCD- 2 PMMS-QC8001<br>DCD- 2 RMMS-QC8001                                                                                                                                             | DCD- 2 AFFM-QL8EXX*<br>DCD- 2 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- 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 (CD)               | 12, 14, 18 | DD- 2 PMFS-QC8001<br>DD- 2 RMFS-QC8001                                                                                                                                                   | DD- 2 AFMM-QL8DXX*<br>DD- 2 AFMM-QR8DXX*                                                                                                                                                              | DD- 2 BFMA-QL8X <sup>1</sup> X <sup>2</sup> 0**                                                                                                                                                                                                  |
| Power                                                                                                                  | 10A (DC)              | 02,03,05   | DC- 2 PMFS-QC800P<br>DC- 2 RMFS-QC800P                                                                                                                                                   | DC- 2 AFMM-QL8DXX*                                                                                                                                                                                    | DC- 2 BFMA-QL8X <sup>1</sup> X <sup>2</sup> P**                                                                                                                                                                                                  |
| Hybrid                                                                                                                 | 20A+5A (DCD)          | 12         | DCD- 2 PMFS-QC8001<br>DCD- 2 RMFS-QC8001                                                                                                                                                 | DCD- 2 AFMM-QL8EXX*<br>DCD- 2 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

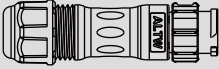
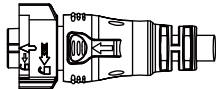
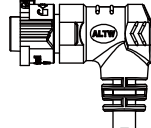
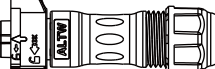
X<sup>1</sup>: Seal Size  
(S) 8.0~10.0mm  
(M) 10.0~12.0mm  
(L) 12.0~14.0mm

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

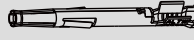
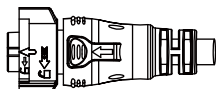
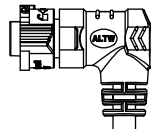
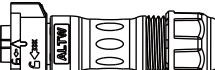
[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]

【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 (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 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 (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 (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 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 (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

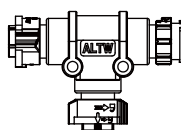
[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]

## └ I-Adaptor, T-Adaptor & T-Cable

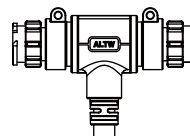
Customization - Upon Request



I-Adaptor



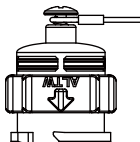
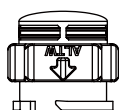
T-Adaptor



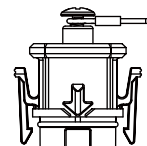
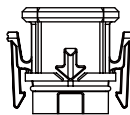
T-Cable

## └ Waterproof Cap

For female connector



For male connector



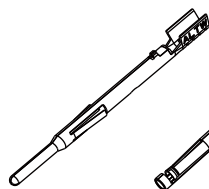
3 More to choose: None (MA) / With Rubber Lead (PC)

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

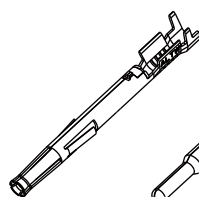
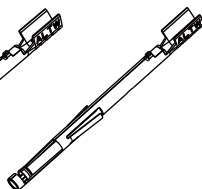
5 More to choose: None (A) / With Fish Line (D)

| 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 |
|                              |                       |              |                      |                                  |

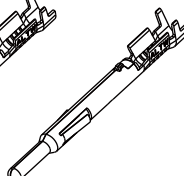
## └ Contacts & Crimp Tool



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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