



CATALOGUE

X-Lok Connector

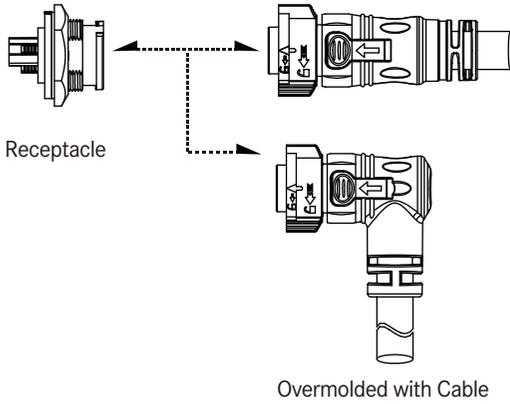




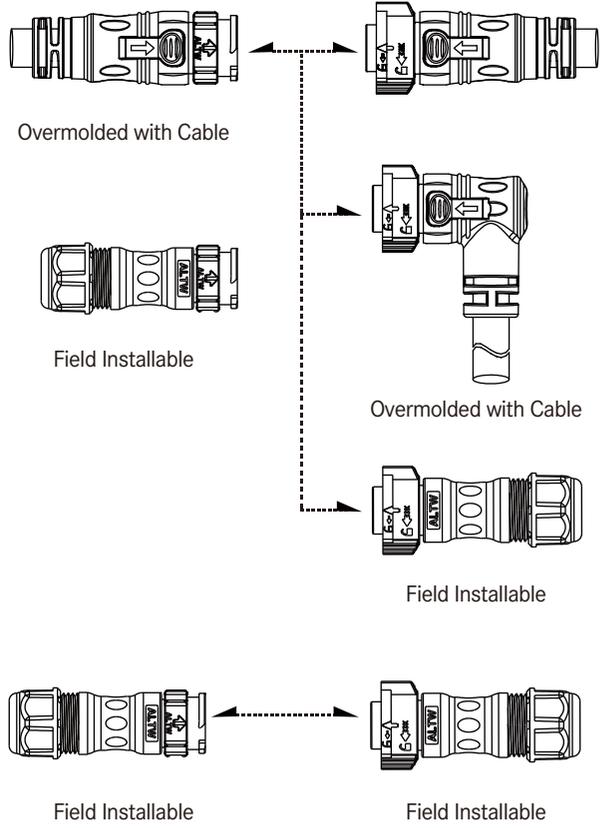
【Note】 Design and specification are subject to change without notice.

Range Overview

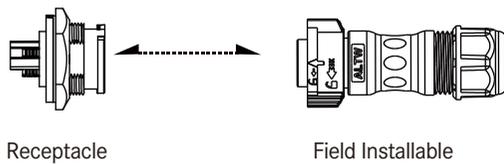
Receptacle to Overmolded with Cable



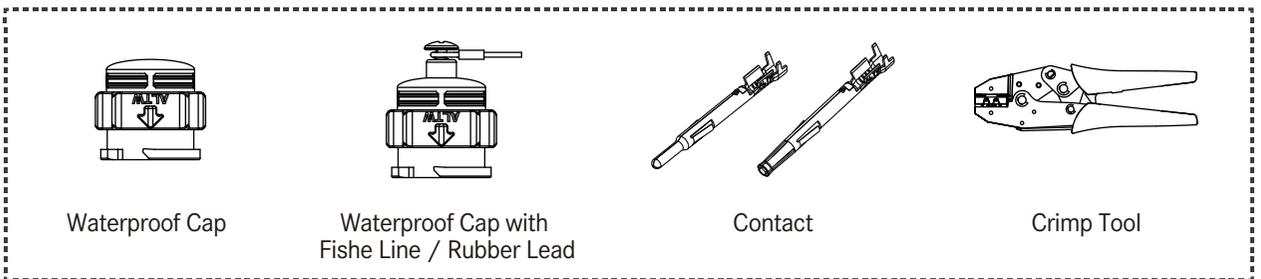
In-Line



Receptacle to Field Installable



Accessories



Specification

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

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

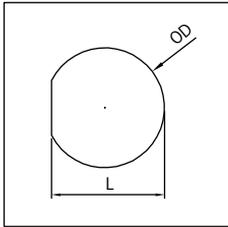
Ordering Information

1			2		3	4	5	6		7	8	9	10
Specification / Current Rating													
<u>≥ Standard Size</u>			<u>≥ Middle Size</u>			<u>≥ Large Size</u>							
(BD) 5A			(CD) 5A			(DD) 5A							
(BB) 10A			(CB) 10A			(DC) 20A							
(BBB) 10A+5A			(CC) 20A			(DCD) 20A+5A							
			(CBD) 10A+5A										
Number of Contacts													
02, 03....													
e.g. (02) = 2 Contacts													
Connector Body (Style)													
<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													
Connector (Housing) Gender													
(M) Male Connector			(F) Female Connector										
Contact Gender													
(M) Male													
(F) Female													
Assemble Style													
<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													
Mating Style													
(Q) Push Lock													
Backshell													
<u>≥ For Receptacle</u>			<u>≥ For Overmolded with Cable</u>										
(C) Circular			(L) Straight										
(S) Square			(R) Right Angle										
Waterproof Rating													
(8) IP68													
More Information													
<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> (A) UL2464 Cable - Upon request (D) UL21388 Cable - Data Group (E) UL SJTW Cable - Power Group (F) UL21996 Cable - Hybrid Group			<u>(■) : Cable Length</u> From 1M to 99M e.g. (01) = 1M			<u>(□) : Seal Type</u> B Size: (S) 5.0~6.0mm (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				
						<u>(■) : Package Options</u> (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.			<u>(○) : Application</u> (O) For Data Group (P) For Power Group				

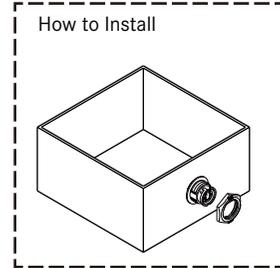
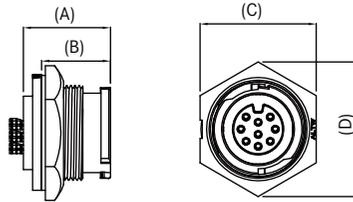
Physical Dimension | Data Group

Receptacle

Panel Cut-out



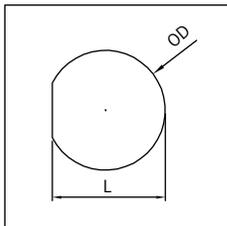
Front Fastened



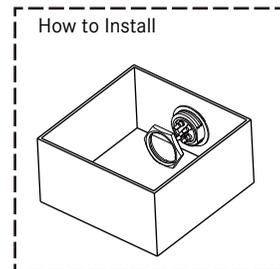
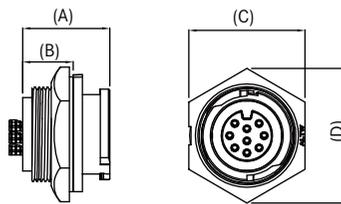
Size	Current Rating (Code)	L	OD	A	B	C	D	Pannel Thickness Max.
B	5A (BD)	14.8	15.6	18.8	14.0	20.6	23.7	4
	10A (BB)							
C	5A (CD)	19.4	20.8	19.0	15.0	25.4	29.3	4.2
	10A (CB)							
D	5A (DD)	23.6	25.6	18.0	14.9	28.6	33.0	3.6

Unit: mm

Panel Cut-out



Rear Fastened

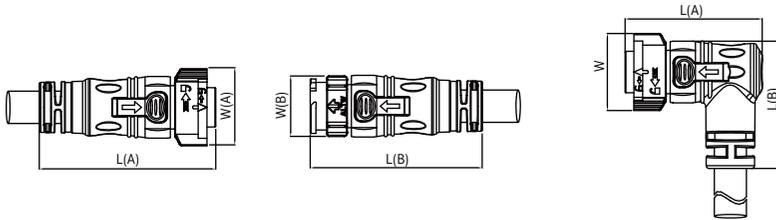


Size	Current Rating (Code)	L	OD	A	B	C	D	Panel Thickness Max.
B	5A (BD)	14.8	15.6	18.6	10.8	20.6	23.7	4.5
	10A (BB)							
C	5A (CD)	19.4	20.8	19.0	11.0	25.4	29.3	4.2
	10A (CB)							
D	5A (DD)	23.6	25.6	18.0	14.9	28.6	33.0	3.6

Unit: mm

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

∟ **Overmolded With Cable**



Size	Current Rating (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**



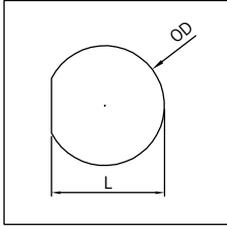
Size	Current Rating (Code)	Straight Style				Seal Size		
		L		W		S	M	L
		Female (A)	Male (B)	Female (A)	Male (B)			
B	5A (BD)	66.2	66.0	25.0	20.0	5.0~6.0	6.0~8.0	8.0~10.0
	10A (BB)							
C	5A (CD)	64.2	62.7	28.0	22.4	6.0~8.0	8.0~10.0	10.0~12.0
	10A (CB)							
	20A (CC)							
D	5A (BD)	70.2	69.0	36.0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

Unit: mm

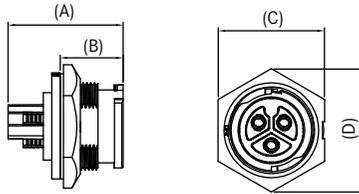
Physical Dimension | Power Group

Receptacle

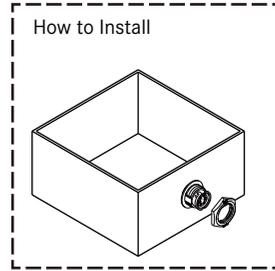
Panel Cut-out



Front Fastened



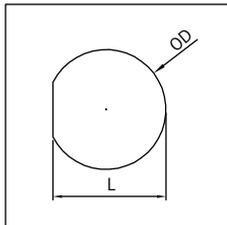
How to Install



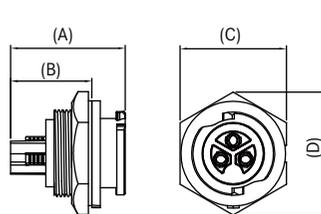
Size	Current Rating (Code)	L	OD	A	B	C	D	Panel Thickness Max.
B	5A (BD)	14.8	15.6	18.8	14.0	20.6	23.7	4
	10A (BB)							
C	20A (CC)	19.4	20.8	27.4	15.0	25.4	29.3	4.2
D	20A (DC)	23.6	25.6	26.3	14.9	28.6	33.0	3.6

Unit: mm

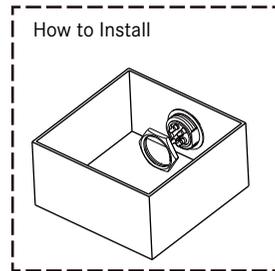
Panel Cut-out



Rear Fastened



How to Install

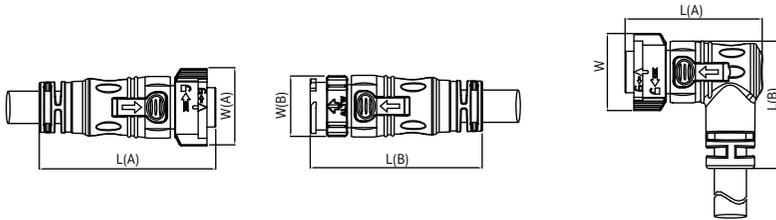


Size	Current Rating (Code)	L	OD	A	B	C	D	Panel Thickness Max.
B	5A (BD)	14.8	15.6	18.6	10.8	20.6	23.7	4.5
	10A (BB)							
C	20A (CC)	19.4	20.8	27.4	19.4	25.4	29.3	4.2
D	20A (DC)	23.6	25.6	26.3	18.1	28.6	33.0	3.6

Unit: mm

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

∟ **Overmolded With Cable**



Size	Current Rating (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)							
	20A (CC)							
D	5A (DD)	62.4	61.8	36.0	27.0	63.0	49.5	36.0

Unit: mm

∟ **Field Installable**



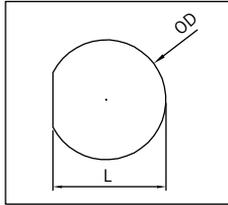
Size	Current Rating (Code)	Straight Style				Seal Size		
		L		W		S	M	L
		Female (A)	Male (B)	Female (A)	Male (B)			
B	5A (BD)	66.2	66.0	25.0	20.0	5.0~6.0	6.0~8.0	8.0~10.0
	10A (BB)							
C	5A (CD)	64.2	62.7	28.0	22.4	6.0~8.0	8.0~10.0	10.0~12.0
	10A (CB)							
	20A (CC)							
D	5A (BD)	70.2	69.0	36.0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

Unit: mm

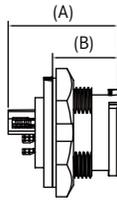
Physical Dimension | Hybrid Group

Receptacle

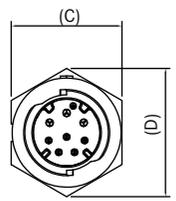
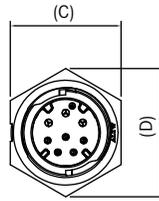
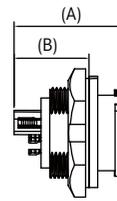
Panel Cut-out



Front Fastened



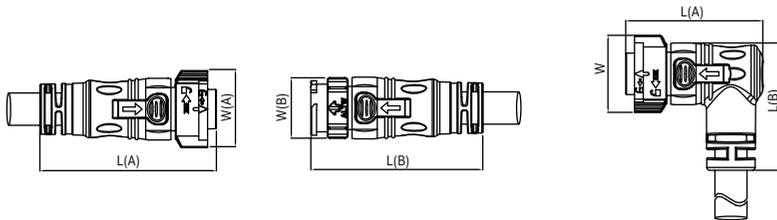
Rear Fastened



Size	Current Rating (Code)	Fasten Style	L	OD	A	B	C	D	Panel 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 (02)														
	R C F	R C F	R C	R C			R C F	R C F						
3 Pin (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 (04)														
	R C F	R C F	R C				R C F		R C	R C			R C F	R C F
5 Pin (05)														
	R C F	R C F							R C	R C			R C F	R C F
6 Pin (06)														
	R C F	R C F							R C	R C			R C F	
7 Pin (07)														
	R C F										R C F	R C F		
8 Pin (08)														
	R C F										R C F	R C F		
9 Pin (09)														
											R C F	R C F		
10 Pin (10)														
											R C F			
11 Pin (11)														
12 Pin (12)														
											R C F			
14 Pin (14)														
18 Pin (18)														

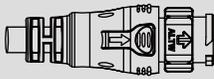
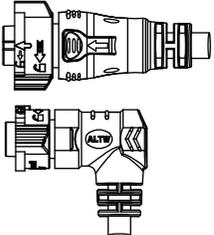
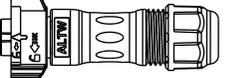
X-Lok Connector | Contact Configuration

Standard Size (5A | 10A | 10A+5A) | Middle Size (5A | 10A | 20A | 10A+5A) | Large Size (5A | 20A | 20A+5A)

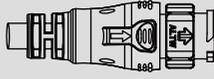
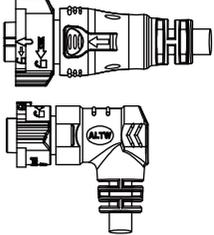
Size (C)				Large Size (D)									
Power		Hybrid		Data		Power		Hybrid					
20A (CC)		10A+5A (CBD)		5A (DD)		20A (DC)		20A+5A (DCD)					
MM or FF	MF or FM	MM or FF	MF or FM	MM or FF	MF or FM	MM or FF	MF or FM	MM or FF	MF or FM	MM or FF	MF or FM	MM or FF	MF or FM
R C F	R C F					R C F	R C F						
R C 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				
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Find Our Standard Products

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

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

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

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

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

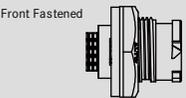
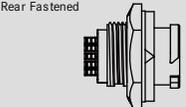
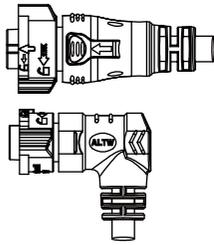
**X¹X²: Seal Size + Package Options
e.g. (SN) = Seal S + Connector without Contact

X¹: Seal Size
(S) 5.0~6.0mm
(M) 6.0~8.0mm
(L) 8.0~10.0mm

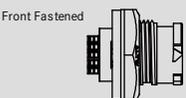
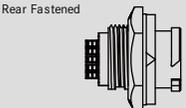
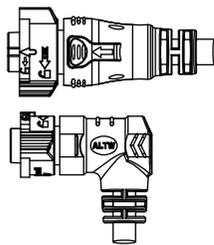
X²: Package Options
(N) Connector without Contact
(P) Connector with Contacts

[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"> • Male Connector (Housing) • Male Contacts • Push Lock 			<p>Receptacle</p> <p>Front Fastened</p>  <p>Rear Fastened</p> 	<p>Overmolded with Cable</p> 	<p>Field Installable</p>   <p>ASSP- 2 FAC 6 P/N refers to page 20-22</p>
Group	Current Rating (Code)	Contacts 2	Male Connector (M) Male Contacts (M)	Female Connector (F) Female Contacts (F)	Female Connector (F) Female Contacts (F)
Data	5A (BD)	02,03,04,05,06,07,08	BD- 2 PMMS-QC8001 BD- 2 RMMS-QC8001	BD- 2 AFFM-QL8DXX* BD- 2 AFFM-QR8DXX*	BD- 2 BFFA-QL8X ¹ X ² 0**
	10A (BB)	02,03,04	BB- 2 PMMS-QC8001 BB- 2 RMMS-QC8001	BB- 2 AFFM-QL8DXX* BB- 2 AFFM-QR8DXX*	-
Power	5A (BD)	03	BD-03PMMS-QC800P BD-03RMMS-QC800P	BD-03AFFM-QL8EXX* BD-03AFFM-QR8EXX*	-
	10A (BB)	02,03,04	BB- 2 PMMS-QC800P BB- 2 RMMS-QC800P	BB- 2 AFFM-QL8EXX* BB- 2 AFFM-QR8EXX*	BB- 2 BFFA-QL8X ¹ X ² P**
Hybrid	10A+5A (BBD)	06	BBD-06PMMS-QC8001 BBD-06RMMS-QC8001	BBD-06AFFM-QL8FXX* BBD-06AFFM-QR8FXX*	-

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

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

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

**X¹X²: Seal Size + Package Options
e.g. (SN) = Seal S + Connector without Contact

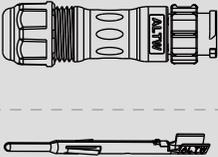
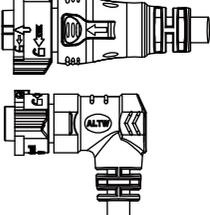
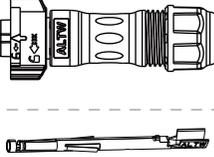
X¹: Seal Size
(S) 5.0-6.0mm
(M) 6.0-8.0mm
(L) 8.0-10.0mm

X²: Package Options
(N) Connector without Contact
(P) Connector with Contacts

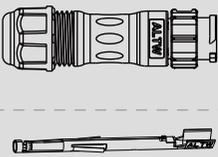
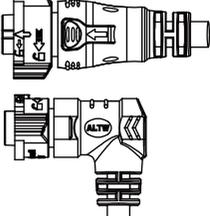
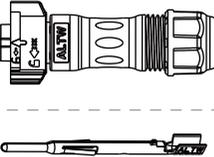
[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]

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

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

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

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

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

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

**X¹X²: Seal Size + Package Options
e.g. (SN) = Seal S + Connector without Contact

X¹: Seal Size
(S) 5.0~6.0mm
(M) 6.0~8.0mm
(L) 8.0~10.0mm

X²: 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"> • Male Connector (Housing) • Male Contacts • Push Lock 			<p>Receptacle</p>	<p>Overmolded with Cable</p>	<p>Field Installable</p> <p>ASSP- 2 FAC 6 P/N refers to page 20-22</p>
Group	Current Rating (Code)	Contacts 2	Male Connector (M) Male Contacts (M)	Female Connector (F) Female Contacts (F)	Female Connector (F) Female Contacts (F)
Data	5A (CD)	08,09,10,12	CD- 2 PMMS-QC8001	CD- 2 AFFM-QL8DXX* CD- 2 AFFM-QR8DXX*	CD- 2 BFFA-QL8X ¹ X ² 0**
	10A (CB)	04,05,06	CB- 2 PMMS-QC8001	CB- 2 AFFM-QL8DXX*	CB- 2 BFFA-QL8X ¹ X ² 0**
Power	20A (CC)	02,03	CC- 2 PMMS-QC800P	CC- 2 AFFM-QL8EXX* CC- 2 AFFM-QR8EXX*	CC- 2 BFFA-QL8X ¹ X ² P**
Hybrid	10A+5A (CBD)	08	CBD-08PMMS-QC8001	CBD-08AFFM-QL8FXX* CBD-08AFFM-QR8FXX*	-

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

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

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

**X¹X²: Seal Size + Package Options
e.g. (SN) = Seal S + Connector without Contact

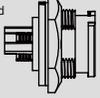
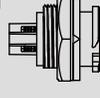
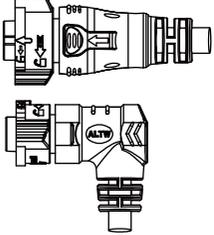
X¹: Seal Size
(S) 6.0-8.0mm
(M) 8.0-10.0mm
(L) 10.0-12.0mm

X²: Package Options
(N) Connector without Contact
(P) Connector with Contacts

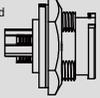
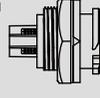
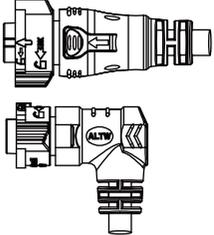
[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]

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

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

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

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

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

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

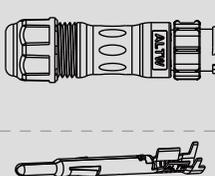
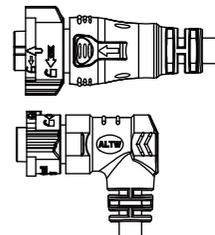
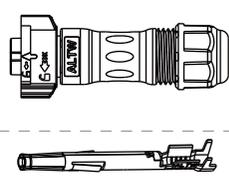
**X¹X²: Seal Size + Package Options
e.g. (SN) = Seal S + Connector without Contact

X¹: Seal Size
(S) 6.0-8.0mm
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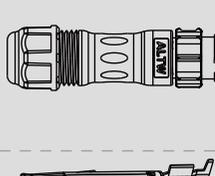
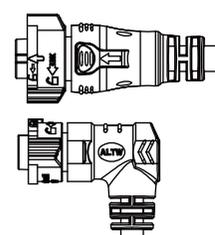
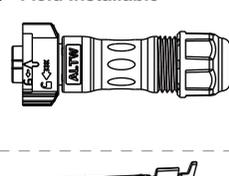
X²: Package Options
(N) Connector without Contact
(P) Connector with Contacts

[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"> • Male Connector (Housing) • Male Contacts • Push Lock 			<p>Field Installable -----></p>  <p>ASSP- 2 FAC 6 P/N refers to page xxx</p>	<p>-----> Overmolded with Cable</p> 	<p>-----> Field Installable</p>  <p>ASSP- 2 FAC 6 P/N refers to page 20-22</p>
Group	Current Rating (Code)	Contacts 2	Male Connector (M) Male Contacts (M)	Female Connector (F) Female Contacts (F)	Female Connector (F) Female Contacts (F)
Data	5A (CD)	08,09,10,12	CD- 2 BMMA-QL8X ¹ X ² 0**	CD- 2 AFFM-QL8DXX* CD- 2 AFFM-QR8DXX*	CD- 2 BFFA-QL8X ¹ X ² 0**
	10A (CB)	04,05,06	CB- 2 BMMA-QL8X ¹ X ² 0**	CB- 2 AFFM-QL8DXX*	CB- 2 BFFA-QL8X ¹ X ² 0**
Power	20A (CC)	02,03	CC- 2 BMMA-QL8X ¹ X ² P**	CC- 2 AFFM-QL8EXX* CC- 2 AFFM-QR8EXX*	CC- 2 BFFA-QL8X ¹ X ² P**

▾ Middle Size 13/16"-28UNS > In-Line

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

**X¹X²: Choose the cable length from 01-99 m

**X¹X²: Seal Size + Package Options
e.g. (SN) = Seal S + Connector without Contact

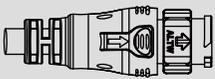
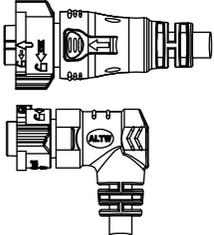
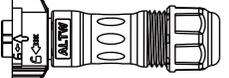
X¹: Seal Size
(S) 6.0-8.0mm
(M) 8.0-10.0mm
(L) 10.0-12.0mm

X²: Package Options
(N) Connector without Contact
(P) Connector with Contacts

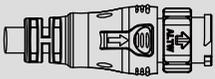
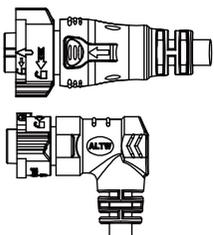
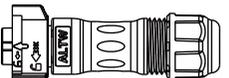
[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]

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

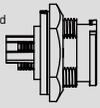
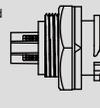
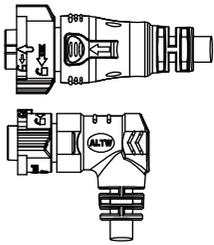
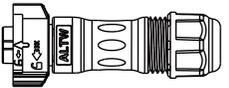
∟ Large Size 1"-20UNEF > In-Line

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

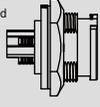
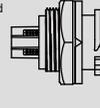
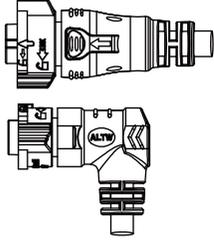
∟ Large Size 1"-20UNEF > In-Line

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

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

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

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

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

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

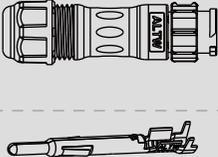
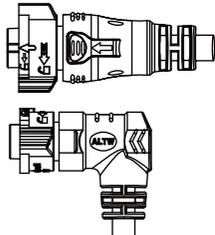
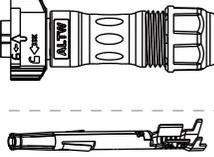
**X¹X²: Seal Size + Package Options
e.g. (SN) = Seal S + Connector without Contact

X¹: Seal Size (S) 8.0-10.0mm (M) 10.0-12.0mm (L) 12.0-14.0mm
X²: Package Options (N) Connector without Contact (P) Connector with Contacts

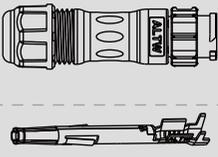
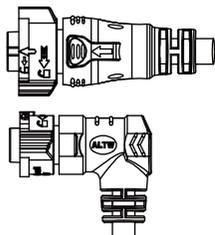
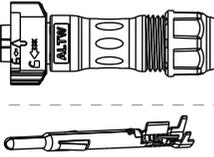
[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]

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

∟ Large Size 1"-20UNEF > In-Line

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

∟ Large Size 1"-20UNEF > In-Line

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

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

**X¹X²: Seal Size + Package Options
e.g. (SN) = Seal S + Connector without Contact

X¹: Seal Size X²: Package Options
(S) 8.0-10.0mm (N) Connector without Contact
(M) 10.0-12.0mm (P) Connector with Contacts
(L) 12.0-14.0mm

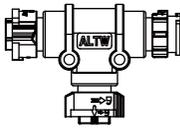
[Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]

∟ I-Adaptor, T-Adaptor & T-Cable

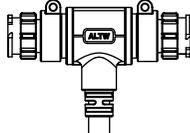
Customization - Upon Request



I-Adaptor



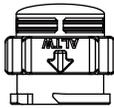
T-Adaptor



T-Cable

∟ Waterproof Cap

For female connector



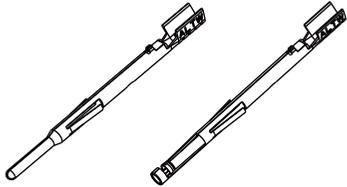
For male connector



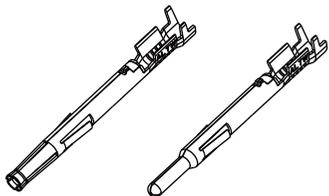
- 3 More to choose: None (MA) / With Rubber Lead (PC)
- 4 More to choose: None (MA) / With Fish Line (CD)
- 5 More to choose: None (A) / With Fish Line (D)

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

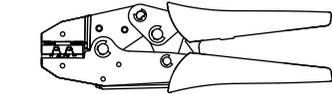
∟ Contacts & Crimp Tool



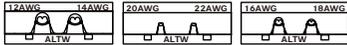
5A



10A/20A



Crimp Tool



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

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

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