Amphenol
Industrial

Amphenol LTW

Innovation in Waterproof Solution

CATALOGUE

IP 68
Unmated or Mated

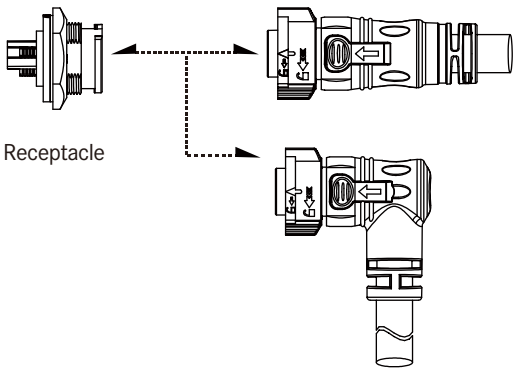
X-Lok Connector

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

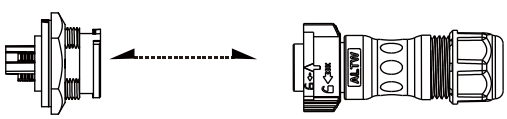
IP 68
Unmated or Mated

Range Overview

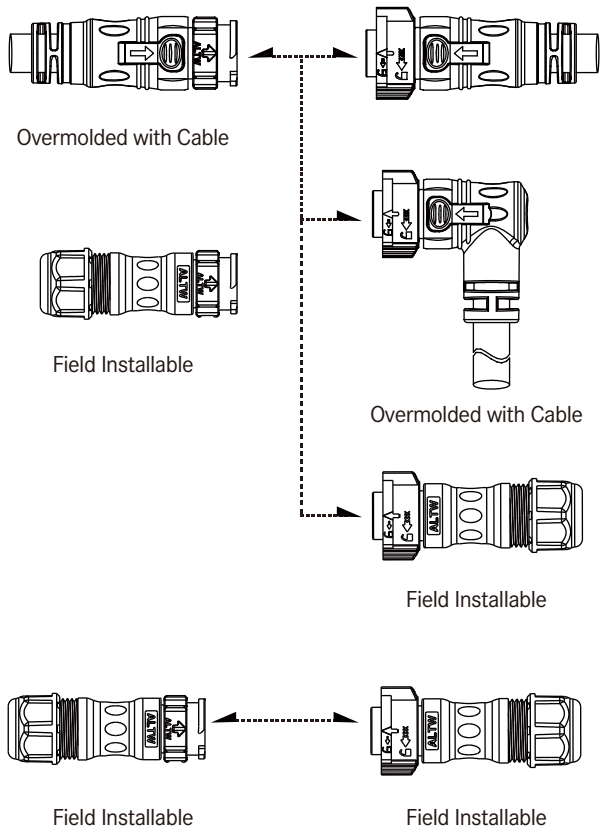
↘ Receptacle to Overmolded with Cable



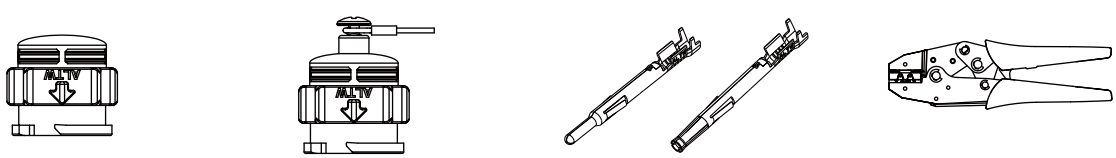
↘ Receptacle to Field Installable



↘ In-Line



↘ Accessories



Waterproof Cap

Waterproof Cap with Fishe Line / Rubber Lead

Contact

Crimp Tool

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: • 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

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IP 68
Unmated or Mated

Ordering Information

1 - 2 3 4 5 6 - 7 8 9 10

Specification / Current Rating

> Standard Size	> Middle Size	> Large Size
(BD) 5A	**(CD)** 5A	**(DD)** 5A
(BB) 10A	**(CB)** 10A	**(DC)** 20A
(BBD) 10A+5A	**(CC)** 20A	**(DCD)** 20A+5A
	(CBD) 10A+5A	

Number of Contacts
02, 03....
e.g. **(02)** = 2 Contacts

Connector Body (Style)

> For Receptacle	> For Overmolded with Cable	> For Field Installable
(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

> For Receptacle	> For Overmolded with Cable	> For Field Installable
(S) Solder Type	**(M)** Overmolded with Cable	**(A)**Crimp Type
(B) Screw in Type		

Mating Style
(Q) Push Lock

Backshell

> For Receptacle	> For Overmolded with Cable
(C) Circular	**(L)** Straight
(S) Square	**(R)** Right Angle

Waterproof Rating
(8) IP68

More Information

> For Receptacle
(001), (002) .....
For Data Group & Different Versions
(00P) For Power Group

> For Overmolded with Cable
(□)+(■) : Cable Type + Cable Length
e.g. **(A01)** = UL2464 Cable + 1M

(□) : Cable Type
(A) UL2464 Cable - Upon request
(D) UL21388 Cable - Data Group
(E) UL SJTW Cable - Power Group
(F) UL21996 Cable - Hybrid Group

(■) : Cable Length
From 1M to 99M
e.g. **(01)** = 1M

> For Field Installable
(□)+(■)+(○): Seal Size + Package Options + Application
e.g. **(SN0)** = Seal S + Connector without Contact + for Data Group

(□) : Seal Type
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

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

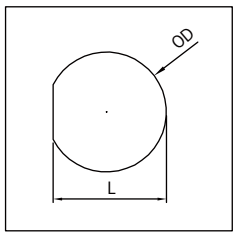
* Contacts are available to be sold in bulk individaully. For furhter information, please refer to page 20-22.

(○): Application
(0) For Data Group
(P) For Power Group

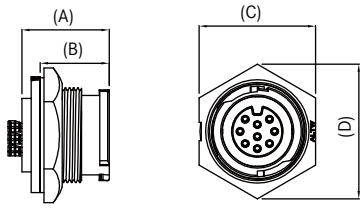
Physical Dimension | Data Group

↘ Receptacle

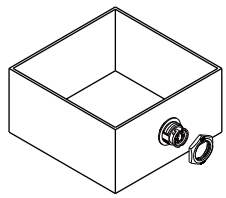
Panel Cut-out



Front Fastened



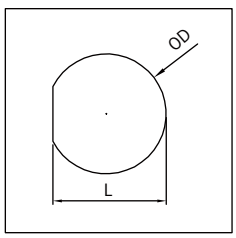
How to Install



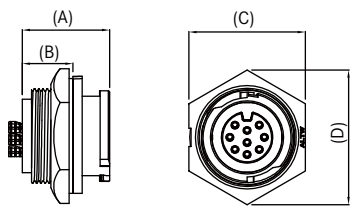
Size	Current Rating **(Code)**	L	OD	A	B	C	D	Pannel Thickness Max.
B	5A **(BD)**	14.8	15.6	18.8	14.0	20.6	23.7	4
	10A **(BB)**							
C	5A **(CD)**	19.4	20.8	19.0	15.0	25.4	29.3	4.2
	10A **(CB)**							
D	5A **(DD)**	23.6	25.6	18.0	14.9	28.6	33.0	3.6

Unit: mm

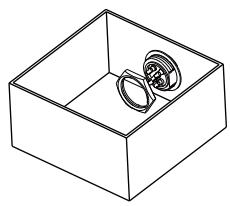
Panel Cut-out



Rear Fastened



How to Install



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

Unit: mm

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IP 68
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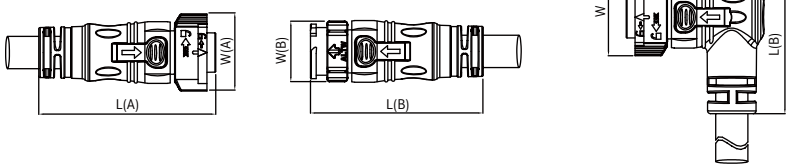
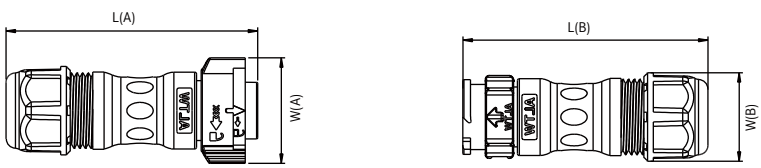
↘ Overmolded With Cable



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



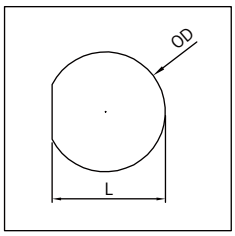
Size	Current Rating (Code)	Straight Style				Seal Size		
		L		W		S	M	L
		Female (A)	Male (B)	Female (A)	Male (B)			
B	5A **(BD)**	66.2	66.0	25.0	20.0	5.0~6.0	6.0~8.0	8.0~10.0
	10A **(BB)**							
C	5A **(CD)**	64.2	62.7	28.0	22.4	6.0~8.0	8.0~10.0	10.0~12.0
	10A **(CB)**							
	20A **(CC)**							
D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

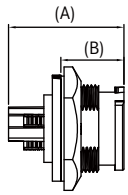
Physical Dimension | Power Group

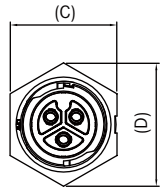
↘ Receptacle

Panel Cut-out

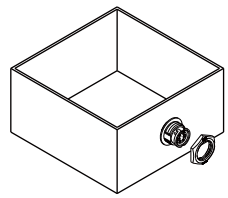


Front Fastened





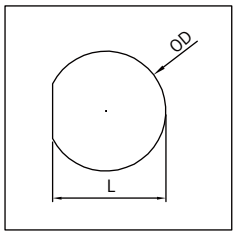
How to Install



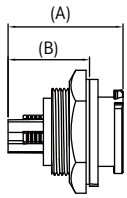
Size	Current Rating **(Code)**	L	OD	A	B	C	D	Panel Thickness Max.
B	5A **(BD)**	14.8	15.6	18.8	14.0	20.6	23.7	4
	10A **(BB)**							
C	20A **(CC)**	19.4	20.8	27.4	15.0	25.4	29.3	4.2
D	20A **(DC)**	23.6	25.6	26.3	14.9	28.6	33.0	3.6

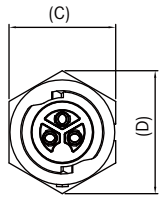
Unit: mm

Panel Cut-out

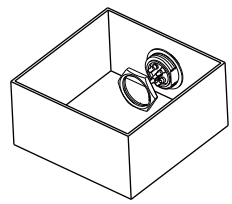


Rear Fastened





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

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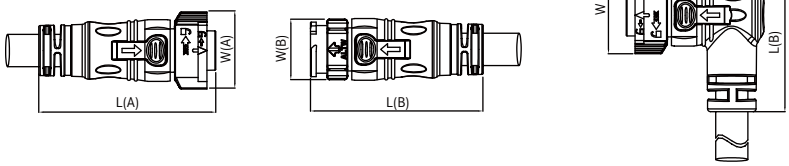
IP 68
Unmated or Mated

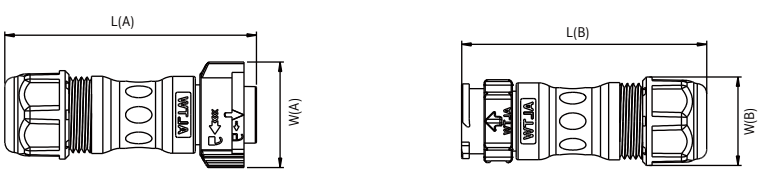
↘ Overmolded With Cable



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



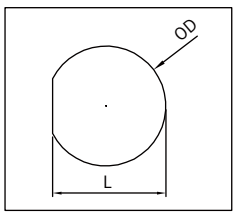
Size	Current Rating (Code)	Straight Style				Seal Size		
		L		W		S	M	L
		Female (A)	Male (B)	Female (A)	Male (B)			
B	5A **(BD)**	66.2	66.0	25.0	20.0	5.0~6.0	6.0~8.0	8.0~10.0
	10A **(BB)**							
C	5A **(CD)**	64.2	62.7	28.0	22.4	6.0~8.0	8.0~10.0	10.0~12.0
	10A **(CB)**							
	20A **(CC)**							
D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

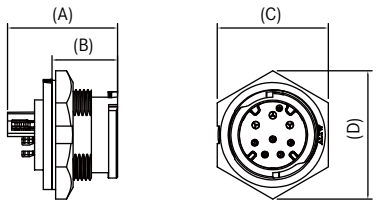
Physical Dimension | Hybrid Group

↘ Receptacle

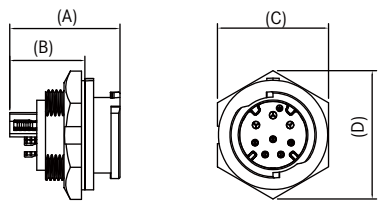
Panel Cut-out



Front Fastened



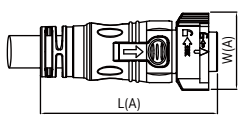
Rear Fastened

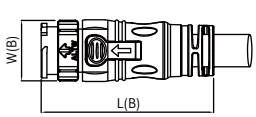


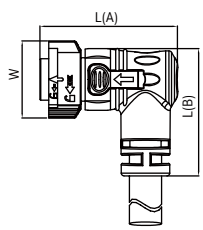
Size	Current Rating **(Code)**	Fasten Style	L	OD	A	B	C	D	Pannel Thickness Max.
B	10A+5A **(BBD)**	Front	14.8	15.6	26.0	14.0	20.6	23.7	4
		Rear	14.8	15.6	24.9	17.0	20.6	23.7	4.5
C	10A+5A **(CBD)**	Front	19.4	20.8	25.2	15.0	25.4	29.3	4.2
		Rear	19.4	20.8	25.2	17.2	25.4	29.3	4.2
D	20A+5A **(DCD)**	Front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

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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)**	
❹❺	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)**														

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	R C
					R C F			R C	R C
				R C F	R C F				
				R C F	R C F				

R: Receptacle
C: Overmolded with Cable
F: Field Installable

1 5A **(BD/CD/DD)**
10A **(BB/CB)**
20A **(CC/DC)**
10A + 5A **(BBD)**
20A + 5A **(DCD)**

2 **Number of Contacts:**
e.g. 3 Pin **(03)**

4 **Connector (Housing) Gender:**
Male **(M)** or Female **(F)**

5 **Contact Gender:**
Male **(M)** or Female **(F)**

6 **More to Choose:**
- Solder **(S)**
- Crimp **(A)**

For receptacle and overmolded with cable

For field installable

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

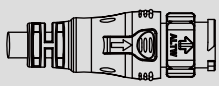
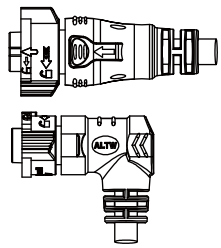
IP 68
Unmated or Mated

Find Our Standard Products

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

- **Male Connector (Housing)**
- **Male Contacts**
- **Push Lock**

Overmolded with Cable → **Overmolded with Cable** → **Field Installable**

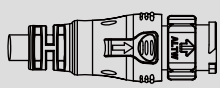
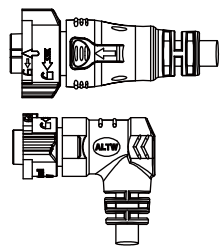
ASSP-2FAC6
P/N refers to page 20-22

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-②AMMM-QL8DXX*	BD-②AFFM-QL8DXX* BD-②AFFM-QR8DXX*	BD-②BFFA-QL8X¹X²0**
	10A (BB)	02,03,04	BB-②AMMM-QL8DXX*	BB-②AFFM-QL8DXX* BB-②AFFM-QR8DXX*	-
Power	5A (BD)	03	BD-03AMMM-QL8EXX*	BD-03AFFM-QL8EXX* BD-03AFFM-QR8EXX*	-
	10A (BB)	02,03,04	BB-②AMMM-QL8EXX*	BB-②AFFM-QL8EXX* BB-②AFFM-QR8EXX*	BB-②BFFA-QL8X¹X²P**
Hybrid	10A+5A (BBD)	06	BBD-06AMMM-QL8FXX*	BBD-06AFFM-QL8FXX* BBD-06AFFM-QR8FXX*	-

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

- **Male Connector (Housing)**
- **Female Contacts**
- **Push Lock**

Overmolded with Cable → **Overmolded with Cable** → **Field Installable**

ASSP-2FAC6
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-②AMFM-QL8DXX*	BD-②AFMM-QL8DXX* BD-②AFMM-QR8DXX*	BD-②BFMA-QL8X¹X²0**
	10A (BB)	02,03,04	BB-②AMFM-QL8DXX*	BB-②AFMM-QL8DXX* BB-②AFMM-QR8DXX*	-
Power	5A (BD)	03	BD-03AMFM-QL8EXX*	BD-03AFMM-QL8EXX* BD-03AFMM-QR8EXX*	-
	10A (BB)	02,03	BB-②AMFM-QL8EXX*	BB-②AFMM-QL8EXX* BB-②AFMM-QR8EXX*	BB-②BFMA-QL8X¹X²P**
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

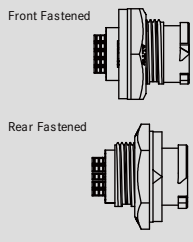
X²: Package Options
(N) Connector without Contact
(P) Connector with Contacts

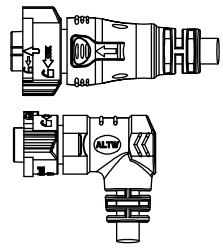
[Contacts are available to be sold in bulk individually. For furhter information, please refer to page 20-22.]

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

- Male Connector (Housing)
- Male Contacts
- Push Lock

Receptacle → Overmolded with Cable → Field Installable





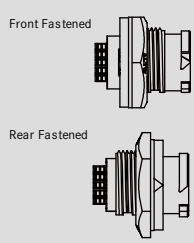
ASSP- 2 FAC 6
P/N refers to page 20-22

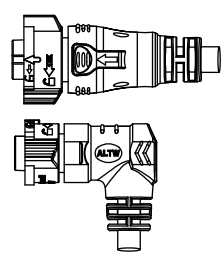
Group	Current Rating (Code)	Contacts 2	Male Connector (M) Male Contacts (M)	Female Connector (F) Female Contacts (F)	Female Connector (F) Female Contacts (F)
Data	5A (BD)	02,03,04, 05,06,07,08	BD- 2 PMMS-QC8001 BD- 2 RMMS-QC8001	BD- 2 AFFM-QL8DXX* BD- 2 AFFM-QR8DXX*	BD- 2 BFFA-QL8X1X20**
	10A (BB)	02,03,04	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-QL8X1X2P**
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

- Male Connector (Housing)
- Male Contacts
- Push Lock

Receptacle → 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 RMFS-QC8001 BD- 2 PMFS-QC8001	BD- 2 AFMM-QL8DXX* BD- 2 AFMM-QR8DXX*	BD- 2 BFMA-QL8X1X20**
	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-QL8X1X2P**
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 furhter information, please refer to page 20-22.]

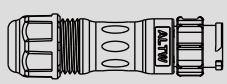
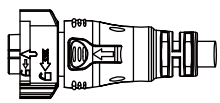
【Note】Design and specification are subject to change without notice.

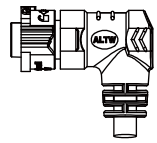
IP 68
Unmated or Mated

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

- **Male Connector (Housing)**
- **Male Contacts**
- **Push Lock**

Field Installable ⇢ Overmolded with Cable ⇢ Field Installable



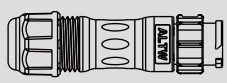
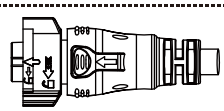
ASSP- 2 FAC 6
P/N refers to page xxx

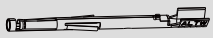
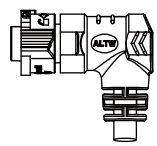
ASSP- 2 FAC 6
P/N refers to page 20-22

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 BMMA-QL8X¹X²0**	BD- 2 AFFM-QL8DXX* BD- 2 AFFM-QR8DXX*	BD- 2 BFFA-QL8X¹X²0**
Power	10A (BB)	02,03,04	BD- 2 BMMA-QL8X¹X²P**	BB- 2 AFFM-QL8DXX* BB- 2 AFFM-QR8DXX*	BD- 2 BFFA-QL8X¹X²P**

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

Field Installable ⇢ Overmolded with Cable ⇢ Field Installable

ASSP- 2 FAC 6
P/N refers to page xxx

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 BMFA-QL8X¹X²0**	BD- 2 AFMM-QL8DXX* BD- 2 AFMM-QR8DXX*	BD- 2 BFMA-QL8X¹X²0**
Power	10A (BB)	02,03	BB- 2 BMFA-QL8X¹X²P**	BB- 2 AFMM-QL8DXX* BB- 2 AFMM-QR8DXX*	BB- 2 BFMA-QL8X¹X²P**

*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

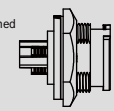
[Contacts are available to be sold in bulk individaully. For furhter information, please refer to page 20-22.]

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

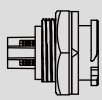
- Male Connector (Housing)
- Male Contacts
- Push Lock

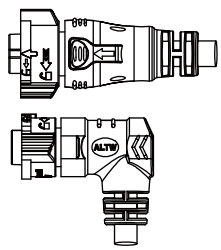
Receptacle → Overmolded with Cable → Field Installable

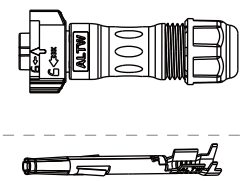
Front Fastened



Rear Fastened







ASSP-2FAC6
P/N refers to page 20-22

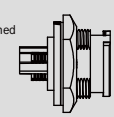
Group	Current Rating (Code)	Contacts 2	Male Connector (M) Male Contacts (M)	Female Connector (F) Female Contacts (F)	Female Connector (F) Female Contacts (F)
Data	5A (CD)	08,09,10,12	CD-2PMMS-QC8001	CD-2AFFM-QL8DXX* CD-2AFFM-QR8DXX*	CD-2BFFA-QL8X¹X²0**
	10A (CB)	04,05,06	CB-2PMMS-QC8001	CB-2AFFM-QL8DXX*	CB-2BFFA-QL8X¹X²0**
Power	20A (CC)	02,03	CC-2PMMS-QC800P	CC-2AFFM-QL8EXX* CC-2AFFM-QR8EXX*	CC-2BFFA-QL8X¹X²P**
Hybrid	10A+5A (CBD)	08	CBD-08PMMS-QC8001	CBD-08AFFM-QL8FXX* CBD-08AFFM-QR8FXX*	-

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

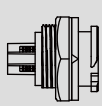
- Male Connector (Housing)
- Male Contacts
- Push Lock

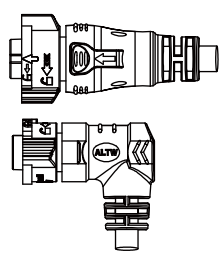
Receptacle → Overmolded with Cable → Field Installable

Front Fastened



Rear Fastened





ASSP-2FAC6
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 (CD)	07,08,09	CD-2PMFS-QC8001	CD-2AFMM-QL8DXX* CD-2AFMM-QR8DXX*	CD-2BFMA-QL8X¹X²0**
	10A (CB)	04,05	CB-2PMFS-QC8001	CB-2AFMM-QL8DXX* CB-2AFMM-QL8DXX*	CB-2BFMA-QL8X¹X²0**
Power	20A (CC)	02,03	CC-2PMFS-QC800P	CC-2AFMM-QL8EXX* CC-2AFMM-QR8EXX*	CC-2BFMA-QL8X¹X²P**
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 individaully. For furhter information, please refer to page 20-22.]

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

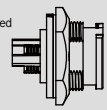
IP 68
Unmated or Mated

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

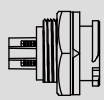
- **Male Connector (Housing)**
- **Male Contacts**
- **Push Lock**

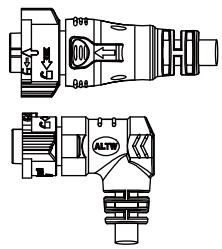
Receptacle → **Overmolded with Cable** → **Field Installable**

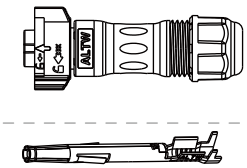
Front Fastened



Rear Fastened







ASSP-2FAC6
P/N refers to page 20-22

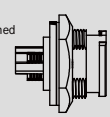
Group	Current Rating (Code)	Contacts 2	Male Connector (M) Male Contacts (M)	Female Connector (F) Female Contacts (F)	Female Connector (F) Female Contacts (F)
Data	5A (CD)	08,09,10,12	CD-2PMMS-QC8001 CD-2RMMS-QC8001	CD-2AFFM-QL8DXX* CD-2AFFM-QR8DXX*	CD-2BFFA-QL8X¹X²0**
	10A (CB)	04,05,06	CB-2PMMS-QC8001 CB-2RMMS-QC8001	CB-2AFFM-QL8DXX*	CB-2BFFA-QL8X¹X²0**
Power	20A (CC)	02,03	CC-2PMMS-QC800P CC-2RMMS-QC800P	CC-2AFFM-QL8EXX* CC-2AFFM-QR8EXX*	CC-2BFFA-QL8X¹X²P**
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

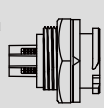
- **Male Connector (Housing)**
- **Female Contacts**
- **Push Lock**

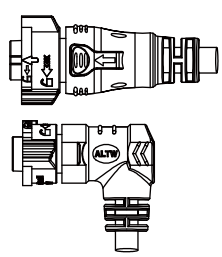
Receptacle → **Overmolded with Cable** → **Field Installable**

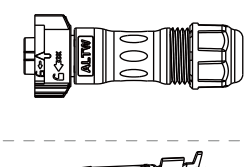
Front Fastened



Rear Fastened







ASSP-2FAC6
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 (CD)	08,09,10,12	CD-2PMFS-QC8001 CD-2RMFS-QC8001	CD-2AFMM-QL8DXX* CD-2AFMM-QR8DXX*	CD-2BFMA-QL8X¹X²0**
	10A (CB)	04,05,06	CB-2PMFS-QC8001 CB-2RMFS-QC8001	CB-2AFMM-QL8DXX*	CB-2BFMA-QL8X¹X²0**
Power	20A (CC)	02,03	CC-2PMFS-QC800P CC-2RMFS-QC800P	CC-2AFMM-QL8EXX* CC-2AFMM-QR8EXX*	CC-2BFMA-QL8X¹X²P**
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
(M) 8.0~10.0mm
(L) 10.0~12.0mm

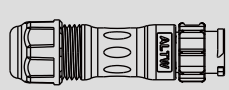
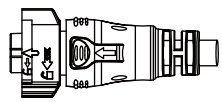
X²: Package Options
(N) Connector without Contact
(P) Connector with Contacts

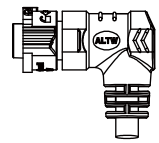
[Contacts are available to be sold in bulk individaully. For furhter information, please refer to page 20-22.]

↘ Middle Size 13/16"-28UNS > In-Line

- Male Connector (Housing)
- Male Contacts
- Push Lock

Field Installable ⇢ Overmolded with Cable ⇢ Field Installable



ASSP-2FAC6
P/N refers to page xxx

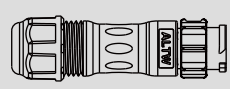
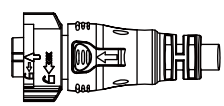
ASSP-2FAC6
P/N refers to page 20-22

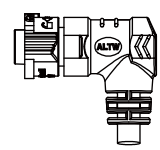
Group	Current Rating (Code)	Contacts 2	Male Connector (M) Male Contacts (M)	Female Connector (F) Female Contacts (F)	Female Connector (F) Female Contacts (F)
Data	5A (CD)	08,09,10,12	CD-2 BMMA–QL8X¹X²0**	CD-2 AFFM-QL8DXX* CD-2 AFFM-QR8DXX*	CD-2 BFFA-QL8X¹X²0**
	10A (CB)	04,05,06	CB-2 BMMA–QL8X¹X²0**	CB-2 AFFM-QL8DXX*	CB-2 BFFA-QL8X¹X²0**
Power	20A (CC)	02,03	CC-2 BMMA–QL8X¹X²P**	CC-2 AFFM-QL8EXX* CC-2 AFFM-QR8EXX*	CC-2 BFFA-QL8X¹X²P**

↘ Middle Size 13/16"-28UNS > In-Line

- Male Connector (Housing)
- Male Contacts
- Push Lock

Field Installable ⇢ Overmolded with Cable ⇢ Field Installable



ASSP-2FAC6
P/N refers to page xxx

ASSP-2FAC6
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 (CD)	07,08,09	CD-2 BMFA-QL8X¹X²0**	CD-2 AFMM-QL8DXX* CD-2 AFMM-QR8DXX*	CD-2 BFMA-QL8X¹X²0**
	10A (CB)	04,05	CB-2 BMFA-QL8X¹X²0**	CD-2 AFMM-QL8DXX* CD-2 AFMM-QR8DXX*	CB-2 BFMA-QL8X¹X²0**
Power	20A (CC)	02,03	CC-2 BMFA-QL8X¹X²P**	CC-2 AFMM-QL8EXX* CC-2 AFMM-QR8EXX*	CC-2 BFMA-QL8X¹X²P**

*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 individaully. For furhter information, please refer to page 20-22.]

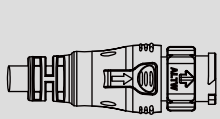
【Note】Design and specification are subject to change without notice.

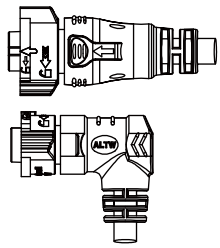
IP 68
Unmated or Mated

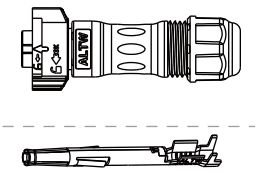
↘ Large Size 1"-20UNEF > In-Line

- **Male Connector (Housing)**
- **Male Contacts**
- **Push Lock**

Overmolded with Cable → **Overmolded with Cable** → **Field Installable**







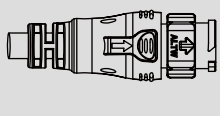
ASSP- 2 FAC 6
P/N refers to page 20-22

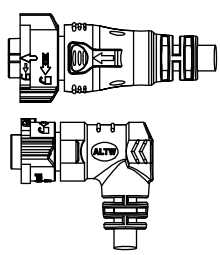
Group	Current Rating **(Code)**	Contacts 2	Male Connector **(M)** Male Contacts **(M)**	Female Connector **(F)** Female Contacts **(F)**	Female Connector **(F)** Female Contacts **(F)**
Data	5A **(DD)**	14,18	DD- 2 AMMM-QL8DXX*	DD- 2 AFFM-QL8DXX* DD- 2 AFFM-QL8DXX*	DD- 2 BFFA-QL8X¹X²0**
Power	20A **(DC)**	02,03,05	DC- 2 AMMM-QL8EXX*	DC- 2 AFFM-QL8EXX* DC- 2 AFFM-QL8EXX*	DC- 2 BFFA-QL8X¹X²P**
Hybrid	20A+5A **(DCD)**	12	DCD- 2 AMMM-QL8FXX*	DCD- 2 AFFM-QL8FXX* DCD- 2 AFFM-QL8FXX*	-

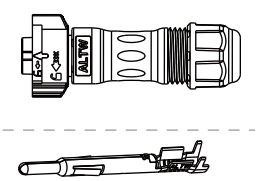
↘ Large Size 1"-20UNEF > In-Line

- **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

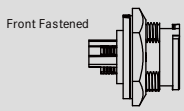
Group	Current Rating **(Code)**	Contacts 2	Male Connector **(M)** Female Contacts **(F)**	Female Connector **(F)** Male Contacts **(M)**	Female Connector **(F)** Male Contacts **(M)**
Data	5A **(DD)**	12,14,18	DD- 2 AMFM-QL8DXX*	DD- 2 AFMM-QL8DXX* DD- 2 AFMM-QL8DXX*	DD- 2 BFMA-QL8X¹X²0**
Power	20A **(DC)**	02,03,05	DC- 2 AMFM-QL8EXX*	DC- 2 AFMM-QL8EXX* DC- 2 AFMM-QL8EXX*	DC- 2 BFMA-QL8X¹X²P**
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

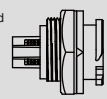
- **Male Connector (Housing)**
- **Male Contacts**
- **Push Lock**

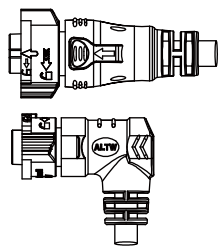
Receptacle ⇢ **Overmolded with Cable** ⇢ **Field Installable**

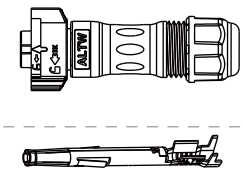
Front Fastened



Rear Fastened







ASSP-2FAC6
P/N refers to page 20-22

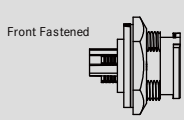
Group	Current Rating (Code)	Contacts 2	Male Connector (M) Male Contacts (M)	Female Connector (F) Female Contacts (F)	Female Connector (F) Female Contacts (F)
Data	5A (CD)	14,18	DD-2PMMS-QC8001 DD-2RMMS-QC8001	DD-2AFFM-QL8DXX* DD-2AFFM-QR8DXX*	DD-2BFFA-QL8X¹X²0**
Power	10A (DC)	02,03,05	DC-2PMMS-QC800P DC-2RMMS-QC800P	DC-2AFFM-QL8DXX*	DC-2BFFA-QL8X¹X²P**
Hybrid	20A+5A (DCD)	12	DCD-2PMMS-QC8001 DCD-2RMMS-QC8001	DCD-2AFFM-QL8EXX* DCD-2AFFM-QR8EXX*	-

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

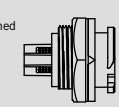
- **Male Connector (Housing)**
- **Female Contacts**
- **Push Lock**

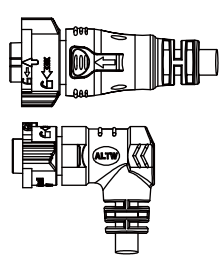
Receptacle ⇢ **Overmolded with Cable** ⇢ **Field Installable**

Front Fastened



Rear Fastened





ASSP-2FAC6
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 (CD)	12,14,18	DD-2PMFS-QC8001 DD-2RMFS-QC8001	DD-2AFMM-QL8DXX* DD-2AFMM-QR8DXX*	DD-2BFMA-QL8X¹X²0**
Power	10A (DC)	02,03,05	DC-2PMFS-QC800P DC-2RMFS-QC800P	DC-2AFMM-QL8DXX*	DC-2BFMA-QL8X¹X²P**
Hybrid	20A+5A (DCD)	12	DCD-2PMFS-QC8001 DCD-2RMFS-QC8001	DCD-2AFMM-QL8EXX* DCD-2AFMM-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 individaully. For furhter information, please refer to page 20-22.]

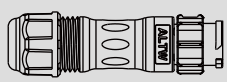
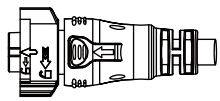
【Note】Design and specification are subject to change without notice.

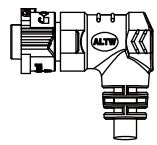
IP 68
Unmated or Mated

↘ Large Size 1"-20UNEF > In-Line

- **Male Connector (Housing)**
- **Male Contacts**
- **Push Lock**

Field Installable ⇢ Overmolded with Cable ⇢ Field Installable



ASSP-2FAC6 — P/N refers to page xxx

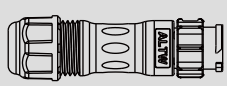
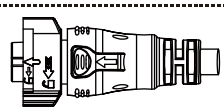
ASSP-2FAC6 — P/N refers to page 20-22

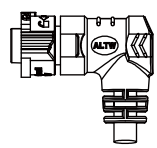
Group	Current Rating (Code)	Contacts 2	Male Connector (M) Male Contacts (M)	Female Connector (F) Female Contacts (F)	Female Connector (F) Female Contacts (F)
Data	5A (DD)	14,18	DD-2BMMA-QL8X¹X²0**	DD-2AFFM-QL8DXX* DD-2AFFM-QR8DXX*	DD-2BFFA-QL8X¹X²0**
Power	20A (DC)	02,03,05	DC-2BMMA-QL8X¹X²P**	DC-2AFFM-QL8DXX* DC-2AFFM-QR8DXX*	DC-2BFFA-QL8X¹X²P**

↘ Large Size 1"-20UNEF > In-Line

- **Male Connector (Housing)**
- **Female Contacts**
- **Push Lock**

Field Installable ⇢ Overmolded with Cable ⇢ Field Installable



ASSP-2FAC6 — P/N refers to page xxx

ASSP-2FAC6 — 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-2BMFA-QL8X¹X²0**	DD-2AFMM-QL8DXX* DD-2AFMM-QR8DXX*	DD-2BFMA-QL8X¹X²0**
Power	10A (DC)	02,03,05	DC-2BMFA-QL8X¹X²P**	DC-2AFMM-QL8DXX* DC-2AFMM-QR8DXX*	DC-2BFMA-QL8X¹X²P**

*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

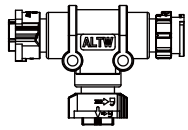
X²: Package Options
(N) Connector without Contact
(P) Connector with Contacts

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

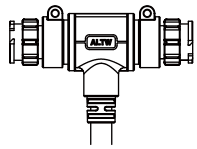
I-Adaptor, T-Adaptor & T-Cable

Customization - Upon Request

I-Adaptor



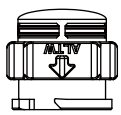
T-Adaptor

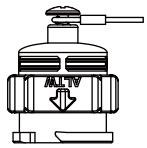


T-Cable

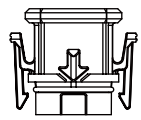
Waterproof Cap

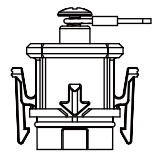
For female connector





For male connector

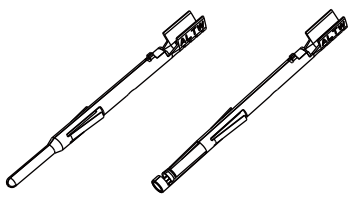




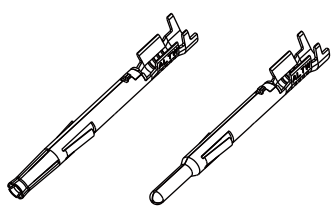
3 More to choose: None **(MA)** / With Rubber Lead **(PC)**
4 More to choose: None **(MA)** / With Fish Line **(CD)**
5 More to choose: None **(A)** / With Fish Line **(D)**

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

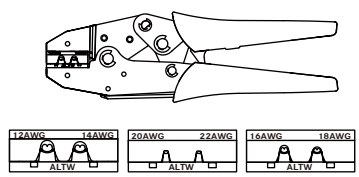
Contacts & Crimp Tool



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		
10A **(10)**	Male	ASSP-10MAC 6		ASST-C-10-W-B (16AWG ~ 18AWG)
	Female	ASSP-10MAC 6		
20A **(20)**	Male	ASSP-20MAC 6		ASST-C-20-W-C (12AWG ~ 14AWG)
	Female	ASSP-20FAC 6		

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

Amphenol LTW Technology Co., Ltd.

5F-3, No.51, Sec.4, Zhongyang Rd., Tucheng Dist., New Taipei City 236, Taiwan
Telephone: +886-2-77416888 Fax: +886-2-77416999
www.amphenolltw.com

Kunshan Factory

No. 62, DaTong Road, Development Zone, Kunshan City, JiangSu Province, 215333 China
Telephone: +86-512-5761-0501
Fax: : +86-512-5761-0515

For further information, please contact :

Sales & Marketing Department | Email : sales@ltw-tech.com

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Наши контакты:

Телефон: +7 812 627 14 35

Электронная почта: sales@st-electron.ru

Адрес: 198099, Санкт-Петербург,
Промышленная ул, дом № 19, литера Н,
помещение 100-Н Офис 331