





**CATALOGUE** 

## **X-Lok Connector**



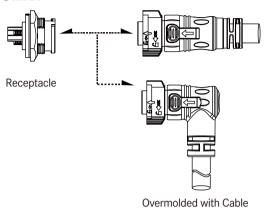




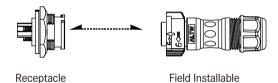


## **Range Overview**

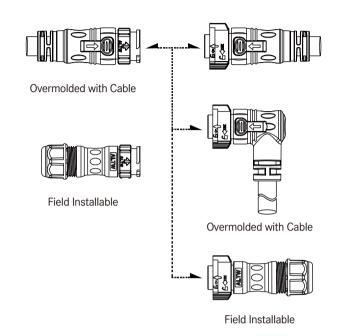
# □ Receptacle to Overmolded with Cable



#### □ Receptacle to Field Installable

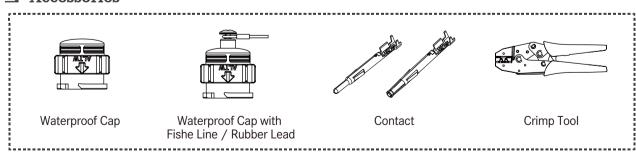


#### 





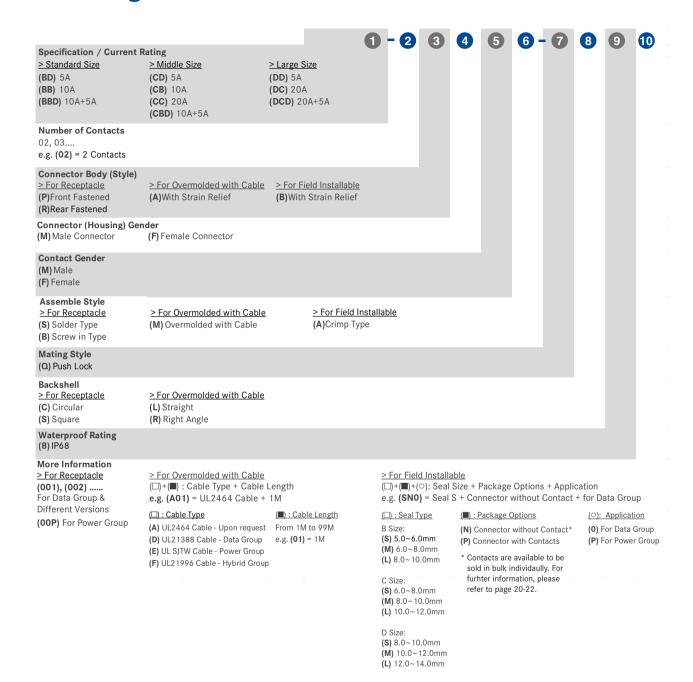
#### △ Accessories



## **Specification**

	Power Group (B,C,D size)
Identifications	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

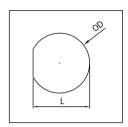
## **Ordering Information**

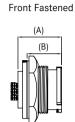


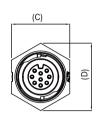
## **Physical Dimension | Data Group**

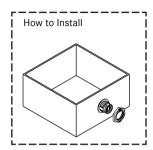
### **∠** Receptacle

Panel Cut-out





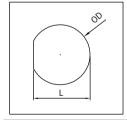


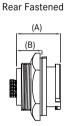


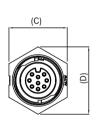
Size	Current Rating (Code)	L	OD	А	В	С	D	Pannel Thickness Max.
В	5A <b>(BD)</b>	14.8	15.6	18.8	14.0	20.6	23.7	4
Б	10A <b>(BB)</b>	14.0	15.0	10.0	14.0	20.0	23.7	4
С	5A <b>(CD)</b>	19.4	20.8	19.0	15.0	25.4	29.3	4.2
	10A <b>(CB)</b>							
D	5A <b>(DD)</b>	23.6	25.6	18.0	14.9	28.6	33.0	3.6

Unit: mm

Panel Cut-out



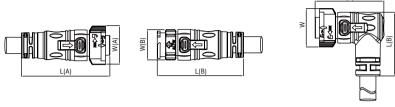






Size	Current Rating (Code)	L	OD	А	В	С	D	Panel Thickness Max.
	5A ( <b>BD</b> )	110	45 (	10 (	10.0	22.4	00.7	4.5
В	10A <b>(BB)</b>	14.8	15.6	18.6	10.8	20.6	23.7	4.5
С	5A ( <b>CD</b> )	19.4	20.8	19.0	11.0	25.4	29.3	4.2
	10A ( <b>CB</b> )	.,,,,	2010	.,,,		2011	27.0	
D	5A ( <b>DD</b> )	23.6	25.6	18.0	14.9	28.6	33.0	3.6

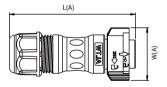
#### ○ Overmolded With Cable

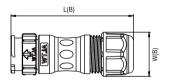


	Current		Straigl	nt Style		Right Angle Style			
Size	Rating	I	_	٧	1	L(A)	L(B)	W	
	(Code)	Female (A)	Male (B)	Female (A)	Male (B)		Female		
В	5A <b>(BD)</b>	53.4	53.0	25.0	20.1	45.2	34.5	25.0	
	10A ( <b>BB</b> )	00.1	00.0	20.0	20.1	10.2	01.0	20.0	
С	5A <b>(CD)</b>	64.2	62.7	28.0	22.4	50.0	46.2	28.0	
	10A ( <b>CB</b> )	04.2	02.7	20.0	22.7	30.0	40.2	20.0	
D	5A <b>(DD)</b>	62.4	61.8	36.0	27.0	63.0	49.5	36.0	

Unit: mm

#### □ Field Installable



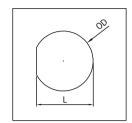


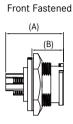
	Current		Straig	ht Style			Seal Size		
Size		L		V	V	S	М	ı	
	(Code)			Male (B)	3	IVI	L		
В	5A <b>(BD)</b>	66.2	66.0	25.0	20.0	5.0~6.0	6.0~8.0	8.0~10.0	
ь	10A <b>(BB)</b>	00.2	00.0	25.0	20.0	5.0~0.0	0.0~6.0	0.0 10.0	
	5A (CD)			28.0		6.0~8.0	8.0~10.0	10.0~12.0	
С	10A <b>(CB)</b>	64.2	62.7		22.4				
	20A (CC)								
D	5A <b>(BD)</b>	70.2	69.0	36.0	27.0	9.010.0	10.012.0	12.0~14.0	
10A ( <b>BB</b> )		70.2	09.0	30.0	27.0	6.0~10.0	10.0~12.0	12.0~14.0	

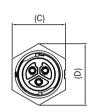
## **Physical Dimension | Power Group**

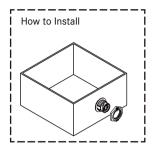
#### **∠** Receptacle

Panel Cut-out





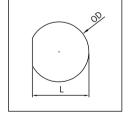




Size	Current Rating (Code)	L	OD	А	В	С	D	Panel Thickness Max.	
R	5A ( <b>BD</b> )	14.8	15.6	18.8	14.0	20.6	23.7	4	
	10A (BB)		13.0	10.0	14.0	20.0	25.7		
С	20A (CC)	19.4	20.8	27.4	15.0	25.4	29.3	4.2	
D	20A ( <b>DC</b> )	23.6	25.6	26.3	14.9	28.6	33.0	3.6	

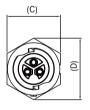
Unit: mm

Panel Cut-out





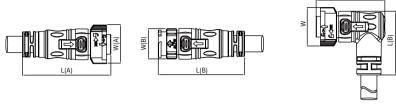
Rear Fastened





Size	Current Rating (Code)	L	OD	А	В	С	D	Panel Thickness Max.	
В	5A ( <b>BD</b> )	14.8	15.6	18.6	10.8	20.6	23.7	4.5	
	10A ( <b>BB</b> )	14.0	10.0	10.0	10.0	20.0	20.7		
С	20A (CC)	19.4	20.8	27.4	19.4	25.4	29.3	4.2	
D	20A ( <b>DC</b> )	23.6	25.6	26.3	18.1	28.6	33.0	3.6	

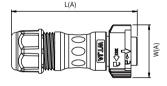
#### ○ Overmolded With Cable

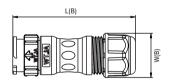


	Current		Straigl	nt Style		Right Angle Style			
Size	Rating	l	-	W	1	L(A)	L(B)	W	
	(Code)	Female (A)	Male (B)	Female (A)	Male (B)		Female		
В	5A <b>(BD)</b>			25.0	20.1	45.2	34.5	25.0	
	10A ( <b>BB</b> )	30.4	53.0	23.0	20.1	40.2	04.0	23.0	
С	5A ( <b>CD</b> )	64.2	62.7	28.0	22.4	50.0	46.2	28.0	
	10A ( <b>CB</b> )	04.2	02.7	20.0	22.4	30.0	40.2	20.0	
D	5A <b>(DD)</b>	62.4	61.8	36.0	27.0	63.0	49.5	36.0	

Unit: mm

#### → Field Installable



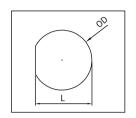


	Current		Straig	ht Style			Seal Size		
Size		L	-	V	V	S	М	l i	
	(Code)	Female (A)	Male (B)	Female (A)	Male (B)	3	IVI	L	
В	5A <b>(BD)</b>	66.2	66.0	25.0	20.0	5.0~6.0	6.0~8.0	8.0~10.0	
Ь	10A <b>(BB)</b>	00.2	00.0	25.0	20.0	5.0~0.0	0.0~6.0	0.0 10.0	
	5A (CD)								
С	10A (CB)	64.2	62.7	28.0	22.4	6.0~8.0	8.0~10.0	10.0~12.0	
	20A (CC)								
	5A <b>(BD)</b>	70.2	69.0	36.0	27.0	9.010.0	10.0~12.0	12.014.0	
10A ( <b>BB</b> )		70.2	09.0	30.0	27.0	0.0~10.0	10.0~12.0	12.0~14.0	

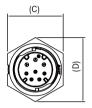
## Physical Dimension | Hybrid Group

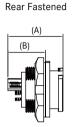
#### **∠** Receptacle

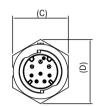
Panel Cut-out



Front Fastened



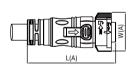


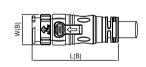


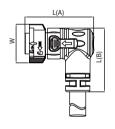
Size	Current Rating (Code)	Fasten Style	L	OD	А	В	С	D	Pannel Thickness Max.
В	10A+5A	Front	14.8	15.6	26.0	14.0	20.6	23.7	4
Ь	(BBD)	Rear	14.8	15.6	24.9	17.0	20.6	23.7	4.5
С	10A+5A	Front	19.4	20.8	25.2	15.0	25.4	29.3	4.2
	(CBD)	Rear	19.4	20.8	25.2	17.2	25.4	29.3	4.2
	20A+5A	Front	23.6	25.6	24.1	14.9	28.6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

Unit: mm

#### □ Overmolded With Cable





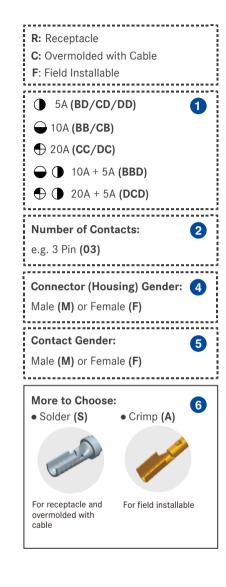


	Current		Straig	ht Style		Right Angle Style			
Size			-	V	V	L(A)	L(B)	W	
	(Code)	Female (A)	le (A) Male (B) Female (A) Male (B)		Female				
В	10A+5A (BBD)	53.4	53.0	25.0	25.0 20.1 45.2 34.5		25.0		
С	10A+5A (CBD)	64.2	62.7	28.0	22.4	50.0	46.2	28.0	
D	20A+5A (DCD)	62.4	61.8	36.0	27.0	63.0	49.5	36.0	

# **Contact Configuration**

				Stand	ard Size	(B)							N	liddle
		Da	ata			Po	wer		Hyl	orid		Da	ata	
	l .	(BD)	10A		1	(BD)	10A			A (BBD)		(CD)	10A	
<b>46</b>	MM or FF	MF or FM												
2 Pin ( <b>02</b> )	R C F	R C F	R C	R C			R C F	R C F						
3 Pin ( <b>03</b> )	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 <b>(04)</b>	R C F	R C F	R C				R C F		R C	R C			R C F	R C F
5 Pin ( <b>05</b> )	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 <b>(07)</b>	R C F										R C F	R C F		
8 Pin ( <b>08</b> )	R C F										R C F	R C F		
9 Pin ( <b>09</b> )											R C F	R C F		
10 Pin (10)											R C F			
11 Pin (11)														
12 Pin (12)											R C F			
14 Pin <b>(14)</b>														
18 Pin ( <b>18</b> )														

Size (C)				Large Size (D)					
Size (C)			5 .						
Power Hybrid		orid	Da	ata	Power		Hybrid		
20A	(CC)	10A+5/	4 (CBD)	5A	(DD)	20A	(DC)	20A+5	A (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
(0,0)	(0,0)					• •	•		
R C F	R C F					R C F	R C F		
•	(e e)					•	•		
R C F	R C F					R C F	R C F		
		•••	(°)					<b>6</b>	•
		R C	R C					R C	R C
		•••	•••			6 6	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	(°)	••
		R C	R C			R C F	R C F	R C	R C
		( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )					(**)	(***)
		R C	R C					R C	R C
		(°°°)	(°°)					(*************************************	(B)
		R C	R C					R C	R C
		( • • • • • • • • • • • • • • • • • • •						(*************************************	•••
		R C	R C					R C	R C
								( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	(*************************************
								R C	R C
								<b>600</b>	(*************************************
								R C	R C
								(*************************************	(*************************************
								R C	R C
								•••	••••
					R C F			R C	R C
				R C F	R C F				
				••••					
			1	R C F	RCF	<u> </u>			



## **Find Our Standard Products**

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

	Connector (H Contacts Lock	ousing)	Overmolded with Cable	Overmolded with Cable	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 <b>(F)</b> Female Contacts <b>(F)</b>	Female Connector <b>(F)</b> Female Contacts <b>(F)</b>
Data	5A <b>(BD)</b>	02,03,04, 05,06,07,08	BD- 2 AMMM-QL8D <u>XX</u> *	BD- 2 AFFM-QL8D <u>XX</u> * BD- 2 AFFM-QR8D <u>XX</u> *	BD- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Data	10A <b>(BB)</b>	02,03,04	BB- 2 AMMM-QL8D <u>XX</u> *	BB- 2 AFFM-QL8D <u>XX</u> * BB- 2 AFFM-QR8D <u>XX</u> *	-
Power	5A (BD) 03		BD-03AMMM-QL8E <u>XX</u> *	BD-03AFFM-QL8E <u>XX</u> * BD-03AFFM-QR8E <u>XX</u> *	-
rowei	10A (BB) 02,03,04		BB- 2 AMMM-QL8E <u>XX</u> *	BB- 2 AFFM-QL8E <u>XX</u> * BB- 2 AFFM-QR8E <u>XX</u> *	BB- 2 BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**
Hybrid	10A+5A <b>(BBD)</b>	06	BBD-06AMMM-QL8F <u>XX</u> *	BBD-06AFFM-QL8F <u>XX</u> * BBD-06AFFM-QR8F <u>XX</u> *	-

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

	Connector (H	ousing)	Overmolded with Cable	Overmolded with Cable	> Field Installable
	Female Contacts     Push Lock				
					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 <b>(F)</b> Male Contacts <b>(M)</b>	Female Connector <b>(F)</b> Male Contacts <b>(M)</b>
_	5A <b>(BD)</b>	02,03,04, 05,06	BD- 2 AMFM-QL8D <u>XX</u> *	BD- 2 AFMM-QL8D <u>XX</u> * BD- 2 AFMM-QR8D <u>XX</u> *	BD- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Data	10A <b>(BB)</b>	02,03,04	BB- 2 AMFM-QL8D <u>XX</u> *	BB- 2 AFMM-QL8D <u>XX</u> * BB- 2 AFMM-QR8D <u>XX</u> *	-
	5A <b>(BD)</b>	03	BD-03AMFM-QL8E <u>XX</u> *	BD-03AFMM-QL8E <u>XX</u> * BD-03AFMM-QR8E <u>XX</u> *	-
Power	10A ( <b>BB</b> )	02,03	BB- 2 AMFM-QL8E <u>XX</u> *	BB- 2 AFMM-QL8E <u>XX</u> * BB- 2 AFMM-QR8E <u>XX</u> *	BB- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**
Hybrid	10A+5A <b>(BBD)</b>	06	BBD-06AMFM-QL8F <u>XX</u> *	BBD-06AFMM-QL8F <u>XX</u> * BBD-06AFMM-QR8F <u>XX</u> *	-

 $<sup>^{\</sup>star}\underline{XX}\!:$  Choose the cable length from 01-99 m

X<sup>2</sup>: 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.]

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

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

#### Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair ■ Compare the compared of the c

	Connector (H Contacts Lock	ousing)	Front Fastened Rear Fastened	Overmolded with Cable	ASSP-2 FAC 6 P/N refers to page 20-22
Group	Current Rating (Code)	Contacts 2	Male Connector <b>(M)</b> Male Contacts <b>(M)</b>	Female Connector <b>(F)</b> Female Contacts <b>(F)</b>	Female Connector <b>(F)</b> Female Contacts <b>(F)</b>
Data	5A ( <b>BD</b> )	02,03,04, 05,06,07,08	BD- 2 PMMS-QC8001 BD- 2 RMMS-QC8001	BD- 2 AFFM-QL8D <u>XX</u> * BD- 2 AFFM-QR8D <u>XX</u> *	BD- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Data	10A <b>(BB)</b>	02,03,04	BB- 2 PMMS-QC8001 BB- 2 RMMS-QC8001	BB- 2 AFFM-QL8D <u>XX</u> * BB- 2 AFFM-QR8D <u>XX</u> *	-
Power	5A <b>(BD)</b>	03	BD-03PMMS-QC800P BD-03RMMS-QC800P	BD-03AFFM-QL8E <u>XX</u> * BD-03AFFM-QR8E <u>XX</u> *	-
Fower	10A <b>(BB)</b>	02,03,04	BB- 2 PMMS-QC800P BB- 2 RMMS-QC800P	BB- 2 AFFM-QL8E <u>XX</u> * BB- 2 AFFM-QR8E <u>XX</u> *	BB- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**
Hybrid	10A+5A <b>(BBD)</b>	06	BBD-06PMMS-QC8001 BBD-06RMMS-QC8001	BBD-06AFFM-QL8F <u>XX</u> * BBD-06AFFM-QR8F <u>XX</u> *	-

### Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair ■ 1. Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair ■ 2. Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair ■ 3. Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair ■ 3. Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair ■ 3. Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair ■ 3. Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair ■ 3. Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair ■ 3. Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair ■ 3. Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair ■ 4. Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair ■ 4. Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair ■ 4. Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair ■ 4. Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair ■ 5/8 UNS > Receptacle And Size: 5/8"-27 UNS > Receptacle

• Male	Male Connector (Housing)     Male Contacts     Push Lock		Receptacle  Front Fastened  Rear Fastened	Overmolded with Cable	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 <b>(F)</b> Male Contacts <b>(M)</b>	Female Connector <b>(F)</b> Male Contacts <b>(M)</b>
Data	5A <b>(BD)</b>	02,03,04, 05,06	BD- 2 RMFS-QC8001 BD- 2 PMFS-QC8001	BD- ② AFMM-QL8D <u>XX</u> * BD- ② AFMM-QR8D <u>XX</u> *	BD- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Duta	10A <b>(BB)</b>	02,03	BB- 2 RMFS-QC8001 BB- 2 PMFS-QC8001	BB- 2 AFMM-QL8D <u>XX</u> * BB- 2 AFMM-QR8D <u>XX</u> *	-
Power	5A <b>(BD)</b>	03	BD-03RMFS-QC800P BD-03PMFS-QC800P	BD-03AFMM-QL8E <u>XX</u> * BD-03AFMM-QR8E <u>XX</u> *	-
rower	10A <b>(BB)</b>	02,03	BB- 2 RMFS-QC800P BB- 2 PMFS-QC800P	BB- 2 AFMM-QL8E <u>XX</u> * BB- 2 AFMM-QR8E <u>XX</u> *	BB- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**
Hybrid	10A+5A <b>(BBD)</b>	06	BBD-06RMFS-QC8001 BBD-06PMFS-QC8001	BBD-06AFMM-QL8F <u>XX</u> * BBD-06AFMM-QR8F <u>XX</u> *	-

<sup>\*</sup>XX: Choose the cable length from 01-99 m

X<sup>2</sup>: 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.]

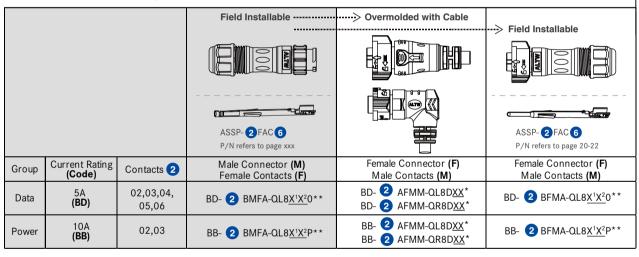
<sup>\*\*</sup>X<sup>1</sup>X<sup>2</sup>: Seal Size + Package Options e.g. (SN) = Seal S + Connector without Contact

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

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

	Connector (H Contacts Lock	ousing)	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 <b>(F)</b> Female Contacts <b>(F)</b>	Female Connector <b>(F)</b> Female Contacts <b>(F)</b>
Data	5A <b>(BD)</b>	02,03,04, 05,06,07,08	BD- <b>2</b> BMMA-QL8 <u>X¹X²</u> 0**	BD- 2 AFFM-QL8D <u>XX</u> * BD- 2 AFFM-QR8D <u>XX</u> *	BD- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Power	10A <b>(BB)</b>	02,03,04	BD- 2 BMMA-QL8 <u>X¹X²</u> P**	BB- 2 AFFM-QL8D <u>XX</u> * BB- 2 AFFM-QR8D <u>XX</u> *	BD- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**

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



<sup>\*</sup>XX: Choose the cable length from 01-99 m

X<sup>1</sup>: <u>Seal Size</u> (S) 5.0~6.0mm (M) 6.0~8.0mm (L) 8.0~10.0mm X<sup>2</sup>: Package Options
(N) Connector without Contact
(P) Connector with Contacts

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

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

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

• Male	Male Connector (Housing)		Receptacle	> Overmolded with Cable	> Field Installable
	Contacts		Front Fastened		
• Push	Lock				
			Rear Fastened		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 <b>(F)</b> Female Contacts <b>(F)</b>	Female Connector <b>(F)</b> Female Contacts <b>(F)</b>
Data	5A <b>(CD)</b>	08,09,10,12	CD- 2 PMMS-QC8001	CD- 2 AFFM-QL8D <u>XX</u> * CD- 2 AFFM-QR8D <u>XX</u> *	CD- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Data	10A <b>(CB)</b>	04,05,06	CB- 2 PMMS-QC8001	CB- 2 AFFM-QL8D <u>XX</u> *	CB- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Power	20A <b>(CC)</b>	02,03	CC- 2 PMMS-QC800P	CC- 2 AFFM-QL8E <u>XX</u> * CC- 2 AFFM-QR8E <u>XX</u> *	CC- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**
Hybrid	10A+5A (CBD)	08	CBD-08PMMS-QC8001	CBD-08AFFM-QL8F <u>XX</u> * CBD-08AFFM-QR8F <u>XX</u> *	-

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

Male Connector (Housing)     Male Contacts     Push Lock			Receptacle	Overmolded with Cable	Field Installable
			Rear Fastened		ASSP- 2 FAC 6 P/N refers to page 20-22
Group	Current Rating (Code)	Contacts 2	Male Connector <b>(M)</b> Female Contacts <b>(F)</b>	Female Connector <b>(F)</b> Male Contacts <b>(M)</b>	Female Connector <b>(F)</b> Male Contacts <b>(M)</b>
Data	5A <b>(CD)</b>	07,08,09	CD- 2 PMFS-QC8001	CD- 2 AFMM-QL8D <u>XX</u> * CD- 2 AFMM-QR8D <u>XX</u> *	CD- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Data	10A (CB) 04,05		CB- 2 PMFS-QC8001	CB- 2 AFMM-QL8D <u>XX</u> * CB- 2 AFMM-QL8D <u>XX</u> *	CB- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Power 20A (CC) 02,03		02,03	CC- 2 PMFS-QC800P	CC- 2 AFMM-QL8E <u>XX</u> * CC- 2 AFMM-QR8E <u>XX</u> *	CC- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**
Hybrid	10A+5A <b>(CBD)</b>	08	CBD-08PMFS-QC8001	CBD-08AFMM-QL8F <u>XX</u> * CBD-08AFMM-QR8F <u>XX</u> *	-

 $<sup>^{\</sup>star}$ XX: Choose the cable length from 01-99 m

X1: Seal Size

X2: Package Options (S) 6.0~8.0mm (M) 8.0~10.0mm (L) 10.0~12.0mm (P) Connector with Contacts

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

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

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

• Male	Male Connector (Housing)		Receptacle	> Overmolded with Cable	> Field Installable
• Male	Contacts		Front Fastened		
• Push	Lock				
			Rear Fastened		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 <b>(F)</b> Female Contacts <b>(F)</b>	Female Connector <b>(F)</b> Female Contacts <b>(F)</b>
Data	5A <b>(CD)</b>	08,09,10,12	CD- 2 PMMS-QC8001 CD- 2 RMMS-QC8001	CD- ② AFFM-QL8D <u>XX</u> * CD- ② AFFM-QR8D <u>XX</u> *	CD- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Data	10A <b>(CB)</b>	04,05,06	CB- 2 PMMS-QC8001 CB- 2 RMMS-QC8001	CB- 2 AFFM-QL8D <u>XX</u> *	CB- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Power	20A ( <b>CC</b> )	02,03	CC- 2 PMMS-QC800P CC- 2 RMMS-QC800P	CC- 2 AFFM-QL8E <u>XX</u> * CC- 2 AFFM-QR8E <u>XX</u> *	CC- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**
Hybrid	10A+5A <b>(CBD)</b>	08	CBD-08PMMS-QC8001 CBD-08RMMS-QC8001	CBD-08AFFM-QL8F <u>XX</u> * CBD-08AFFM-QR8F <u>XX</u> *	-

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

• Male	Male Connector (Housing)		Receptacle	> Overmolded with Cable	> Field Installable
• Fema	ale Contacts		Front Fastened		
• Push	Lock				
			Rear Fastened		ASSP- 2 FAC 6 P/N refers to page 20-22
Group	Current Rating (Code)	Contacts 2	Male Connector <b>(M)</b> Female Contacts <b>(F)</b>	Female Connector <b>(F)</b> Male Contacts <b>(M)</b>	Female Connector <b>(F)</b> Male Contacts <b>(M)</b>
Data	5A <b>(CD)</b>	08,09,10,12	CD- 2 PMFS-QC8001 CD- 2 RMFS-QC8001	CD- 2 AFMM-QL8D <u>XX</u> * CD- 2 AFMM-QR8D <u>XX</u> *	CD- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Data	10A <b>(CB)</b>	04,05,06	CB- 2 PMFS-QC8001 CB- 2 RMFS-QC8001	CB- 2 AFMM-QL8D <u>XX</u> *	CB- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Power	20A ( <b>CC</b> )	02,03	CC- 2 PMFS-QC800P CC- 2 RMFS-QC800P	CC- 2 AFMM-QL8E <u>XX</u> * CC- 2 AFMM-QR8E <u>XX</u> *	CC- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**
Hybrid	10A+5A <b>(CBD)</b>	08	CBD-08PMFS-QC8001 CBD-08RMFS-QC8001	CBD-08AFMM-QL8F <u>XX</u> * CBD-08AFMM-QR8F <u>XX</u> *	-

<sup>\*</sup>XX: Choose the cable length from 01-99 m

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

sold in bulk individually. For furhter information, please refer to page 20-22.]

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

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

• Male	Connector (H	lousing)	Field Installable	> Overmolded with Cable	> Field Installable
	Contacts Lock				
			ASSP-2FAC 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 <b>(F)</b> Female Contacts <b>(F)</b>
Data	5A ( <b>CD</b> )	08,09,10,12	CD- <b>2</b> BMMA–QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**	CD- 2 AFFM-QL8D <u>XX</u> * CD- 2 AFFM-QR8D <u>XX</u> *	CD- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Data	10A ( <b>CB</b> )	04,05,06	CB- <b>2</b> BMMA–QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**	CB- 2 AFFM-QL8D <u>XX</u> *	CB- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Power	20A ( <b>CC</b> )	02,03	CC- 2 BMMA–QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**	CC- 2 AFFM-QL8E <u>XX</u> * CC- 2 AFFM-QR8E <u>XX</u> *	CC- 2 BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**

#### Middle Size 13/16"-28UNS > 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 <b>(M)</b> Female Contacts <b>(F)</b>	Female Connector <b>(F)</b> Male Contacts <b>(M)</b>	Female Connector <b>(F)</b> Male Contacts <b>(M)</b>
Data	5A ( <b>CD</b> ) 07,08,09		CD- <b>2</b> BMFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**	CD- 2 AFMM-QL8D <u>XX</u> * CD- 2 AFMM-QR8D <u>XX</u> *	CD- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Data	10A (CB) 04,05		CB- <b>2</b> BMFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**	CD- 2 AFMM-QL8D <u>XX</u> * CD- 2 AFMM-QR8D <u>XX</u> *	CB- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Power	20A ( <b>CC</b> )	02,03	CC- <b>2</b> BMFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**	CC- 2 AFMM-QL8E <u>XX</u> * CC- 2 AFMM-QR8E <u>XX</u> *	CC- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**

 $<sup>^{\</sup>star}$ XX: Choose the cable length from 01-99 m

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

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

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

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

### □ Large Size 1"-20UNEF > In-Line

Male Connector (Housing)     Male Contacts     Push Lock			Overmolded with Cable	Overmolded with Cable	ASSP- 2 FAC 6 P/N refers to page 20-22
Group	Current Rating (Code)	Contacts 2	Male Connector <b>(M)</b> Male Contacts <b>(M)</b>	Female Connector <b>(F)</b> Female Contacts <b>(F)</b>	Female Connector <b>(F)</b> Female Contacts <b>(F)</b>
Data	Data (DD) 14,18		DD- 2 AMMM-QL8D <u>XX</u> *	DD- ② AFFM-QL8D <u>XX</u> * DD- ② AFFM-QL8D <u>XX</u> *	DD- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Power	20A ( <b>DC</b> )	02,03,05	DC- 2 AMMM-QL8EXX*	DC- ② AFFM-QL8E <u>XX</u> * DC- ② AFFM-QL8E <u>XX</u> *	DC- 2 BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**
Hybrid	20A+5A (DCD)	12	DCD- 2 AMMM-QL8F <u>XX</u> *	DCD-2 AFFM-QL8F <u>XX</u> * DCD-2 AFFM-QL8F <u>XX</u> *	-

### □ Large Size 1"-20UNEF > In-Line

Male Connector (Housing)     Female Contacts     Push Lock			Overmolded with Cable	Overmolded with Cable	ASSP- 2 FAC 6 P/N refers to page 20-22
Group	Current Rating (Code)	Contacts 2	Male Connector <b>(M)</b> Female Contacts <b>(F)</b>	Female Connector <b>(F)</b> Male Contacts <b>(M)</b>	Female Connector <b>(F)</b> Male Contacts <b>(M)</b>
Data	5A <b>(DD)</b>	12,14,18	DD- 2 AMFM-QL8D <u>XX</u> *	DD- ② AFMM-QL8D <u>XX</u> * DD- ② AFMM-QL8D <u>XX</u> *	DD- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Power 20A (DC) 02,03,05		02,03,05	DC- 2 AMFM-QL8EXX*	DC- 2 AFMM-QL8E <u>XX</u> * DC- 2 AFMM-QL8E <u>XX</u> *	DC- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**
Hybrid	20A+5A (DCD)	12	DCD- 2 AMFM-QL8F <u>XX</u> *	DCD-2 AFMM-QL8F <u>XX</u> * DCD-2 AFMM-QL8F <u>XX</u> *	-

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

	Connector (H Contacts Lock	ousing)	Receptacle  Front Fastened  Rear Fastened	Overmolded with Cable	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 <b>(F)</b> Female Contacts <b>(F)</b>	Female Connector <b>(F)</b> Female Contacts <b>(F)</b>
Data	5A <b>(CD)</b>	14,18	DD- 2 PMMS-QC8001 DD- 2 RMMS-QC8001	DD- ② AFFM-QL8D <u>XX</u> * DD- ② AFFM-QR8D <u>XX</u> *	DD- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Power	10A ( <b>DC</b> )	02,03,05	DC- 2 PMMS-QC800P DC- 2 RMMS-QC800P	DC- 2 AFFM-QL8D <u>XX</u> *	DC- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**
Hybrid	20A+5A ( <b>DCD</b> )	12	DCD-2 PMMS-QC8001 DCD-2 RMMS-QC8001	DCD-2 AFFM-QL8E <u>XX</u> * DCD-2 AFFM-QR8E <u>XX</u> *	-

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

Male Connector (Housing)			Receptacle	Overmolded with Cable	> Field Installable
• Fema	ale Contacts		Front Fastened	808	
• Push Lock					
			Rear Fastened		ASSP- 2 FAC 6 P/N refers to page 20-22
Group	Current Rating (Code)	Contacts 2	Male Connector <b>(M)</b> Female Contacts <b>(F)</b>	Female Connector <b>(F)</b> Male Contacts <b>(M)</b>	Female Connector <b>(F)</b> Male Contacts <b>(M)</b>
Data	5A <b>(CD)</b>	12,14,18	DD- 2 PMFS-QC8001 DD- 2 RMFS-QC8001	DD- ② AFMM-QL8D <u>XX</u> * DD- ② AFMM-QR8D <u>XX</u> *	DD- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Power	10A <b>(DC)</b>	02,03,05	DC- 2 PMFS-QC800P DC- 2 RMFS-QC800P	DC- 2 AFMM-QL8D <u>XX</u> *	DC- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**
Hybrid	20A+5A ( <b>DCD</b> )	12	DCD- 2 PMFS-QC8001 DCD- 2 RMFS-QC8001	DCD-2 AFMM-QL8E <u>XX</u> * DCD-2 AFMM-QR8E <u>XX</u> *	-

 $<sup>^{\</sup>star}\underline{XX}\!:$  Choose the cable length from 01-99 m

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

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

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

### □ Large Size 1"-20UNEF > 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	Group Current Rating (Code) Contacts 2		Male Connector <b>(M)</b> Male Contacts <b>(M)</b>	Female Connector <b>(F)</b> Female Contacts <b>(F)</b>	Female Connector <b>(F)</b> Female Contacts <b>(F)</b>
Data	5A <b>(DD)</b>	14,18	DD- <b>2</b> BMMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**	DD- ② AFFM-QL8D <u>XX</u> * DD- ② AFFM-QR8D <u>XX</u> *	DD- <b>2</b> BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**
Power	20A <b>(DC)</b>	02,03,05	DC- 2 BMMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**	DC- ② AFFM-QL8D <u>XX</u> * DC- ② AFFM-QR8D <u>XX</u> *	DC- 2 BFFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**

### □ Large Size 1"-20UNEF > In-Line

Male Connector (Housing)     Female Contacts     Push Lock			Field Installable	Overmolded with Cable	Field Installable	
			ASSP-2FAC 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 <b>(F)</b> Male Contacts <b>(M)</b>	Female Connector <b>(F)</b> Male Contacts <b>(M)</b>	
Data	Data (DD) 12,14,18		DD- <b>2</b> BMFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**	DD- 2 AFMM-QL8D <u>XX</u> * DD- 2 AFMM-QR8D <u>XX</u> *	DD- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> 0**	
Power	Power 10A 02,03,05		DC- <b>2</b> BMFA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**	DC- ② AFMM-QL8D <u>XX</u> * DC- ② AFMM-QR8D <u>XX</u> *	DC- <b>2</b> BFMA-QL8 <u>X<sup>1</sup>X<sup>2</sup></u> P**	

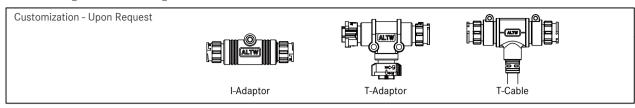
 $<sup>^{\</sup>star}\underline{XX}\!$  . Choose the cable length from 01-99 m

| X<sup>1</sup>: Seal Size | X<sup>2</sup>: Package Options | (S) 8.0 – 10.0mm | (M) 10.0 – 12.0mm | (P) Connector with Ocntact | (P) Connector with Contacts | (L) 12.0 – 14.0mm

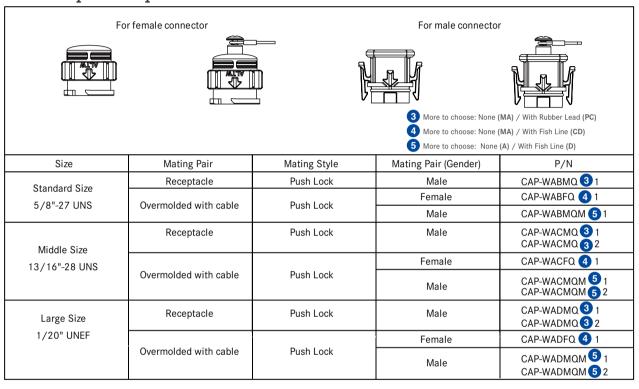
[Contacts are available to be sold in bulk individaully. For furhter information, please refer to page 20-22.]

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

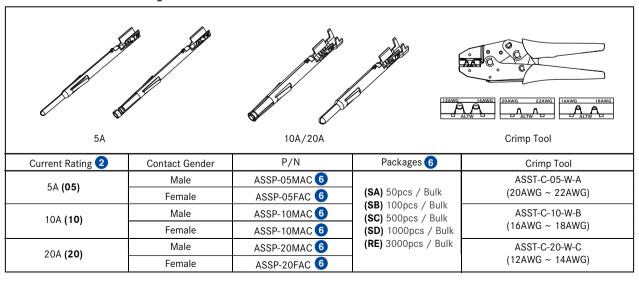
#### □ I-Adaptor, T-Adaptor & T-Cable



#### □ Waterproof Cap



#### **∠** Contacts & Crimp Tool



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