

Amphenol LTW Innovation in Waterproof Solution



CATALOGUE

http://www.amphenolltw.com

X-Lok Connector



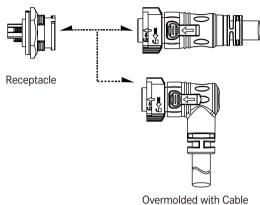




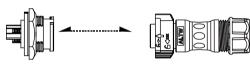


Range Overview

↘ Receptacle to Overmolded with Cable



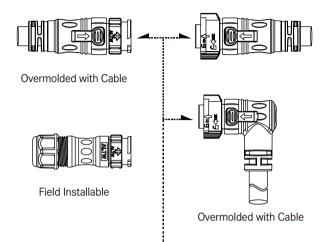
→ Receptacle to Field Installable



Receptacle

Field Installable





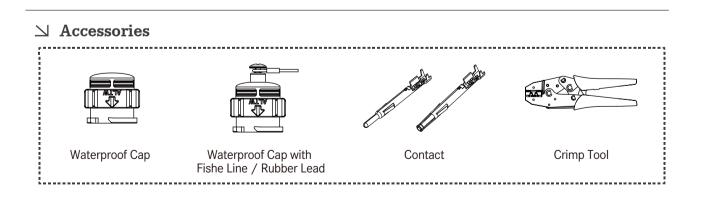


Field Installable



Field Installable

Field Installable



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

Ordering Information

											_
			1 - 2	3	4	5	6 -	- 7	8	9	10
Specification / Current ≥ Standard Size (BD) 5A (BB) 10A (BBD) 10A+5A	Rating <u>> Middle Size</u> (CD) 5A (CB) 10A (CC) 20A (CBD) 10A+5A	> Large Size (DD) 5A (DC) 20A (DCD) 20A+5A		-	-			-			
Number of Contacts 02, 03 e.g. (02) = 2 Contacts											
Connector Body (Style) <u>> For Receptacle</u> (P)Front Fastened (R)Rear Fastened	> For Overmolded with Cable (A)With Strain Relief	<u>> For Field Installable</u> (B) With Strain Relief									
Connector (Housing) Ge (M) Male Connector	nder (F) Female Connector										
Contact Gender (M) Male (F) Female											
Assemble Style ≥ For Receptacle (S) Solder Type (B) Screw in Type	> For Overmolded with Cable (M) Overmolded with Cable	<u>≥ For Field Ins</u> (A) Crimp Type									
Mating Style (Q) Push Lock											
Backshell <u>> For Receptacle</u> (C) Circular (S) Square	> For Overmolded with Cable (L) Straight (R) Right Angle										
Waterproof Rating (8) IP68											
More Information > For Receptacle (001), (002) For Data Group &	> For Overmolded with Cable (□)+(■) : Cable Type + Cable e.g. (A01) = UL2464 Cable +	0	<u>> For Fiel</u> (□)+(■)+(e.g. (SN0	ः): Seal	Size + I	0				ata Gro	up
Different Versions (00P) For Power Group	 (D): Cable Type (A) UL2464 Cable - Upon request (D) UL21388 Cable - Data Group (E) UL SJTW Cable - Power Group (F) UL21996 Cable - Hybrid Group 	e.g. (01) = 1M	(<u>) : Seal T</u> B Size: (S) 5.0~6. (M) 6.0~8. (L) 8.0~10 C Size:	0mm .0mm	(N) Co (P) Co * Con solo furh	Package (onnector onnector tacts are l in bulk i ter inforr	without (with Con available ndividaul nation, p	tacts e to be ly. For	(0) F	Applicat For Data For Powe	Group

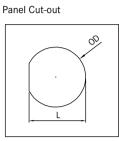
D Size: (S) 8.0~10.0mm (M) 10.0~12.0mm (L) 12.0~14.0mm

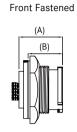
(**S**) 6.0~8.0mm

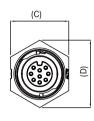
(M) 8.0~10.0mm (L) 10.0~12.0mm refer to page 20-22.

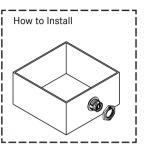
Physical Dimension | Data Group

∖ Receptacle



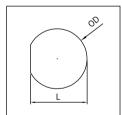




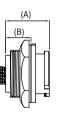


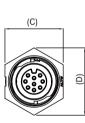
Size	Current Rating (Code)	L	OD	A	В	С	D	Pannel Thickness Max.	
В	5A (BD)	14.8	15.6	18.8	14.0	20.6	23.7	4	
В	10A (BB)	14.0	13.0	10.0	14.0	20.0	23.7	7	
С	5A (CD)	19.4	20.8	19.0	15.0	25.4	29.3	4.2	
	10A (CB)								
D	5A (DD)	23.6	25.6	18.0	14.9	28.6	33.0	3.6	

Panel Cut-out

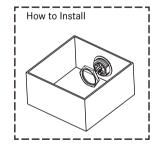






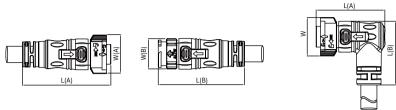






Size	Current Rating (Code)	L	OD	A	В	С	D	Panel Thickness Max.	
В	5A (BD)	14.8	15.6	18.6	10.8	20.6	23.7	4.5	
D	10A (BB)	14.0	10.0	10.0		2010	200	4.0	
с	5A (CD)	19.4	20.8	19.0	11.0	25.4	29.3	4.2	
	10A (CB)			.,				7.2	
D	5A (DD)	23.6	25.6	18.0	14.9	28.6	33.0	3.6	
								Unit: mm	

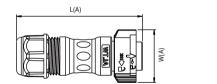
rightarrow Overmolded With Cable



	Current		Straig	nt Style		Right Angle Style			
Size	Rating	L		W	/	L(A)	L(B)	W	
	(Code)	Female (A)	Male (B)	Female (A)	Male (B)		Female		
5A (BD)		53.4	53.0	25.0	20.1	45.2	34.5	25.0	
D	10A (BB)	00.4	50.0	2010	2011			20.0	
С	5A (CD)	64.2	62.7	28.0	22.4	50.0	46.2	28.0	
Ū	10A (CB)	04.2	02.7	20.0	22.4	50.0	40.2	20.0	
D	5A (DD)	62.4	61.8	36.0	27.0	63.0	49.5	36.0	

Unit: mm

↘ Field Installable



L(B)	
	W(B)

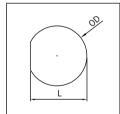
	Current		Straig	ht Style		Seal Size			
Size	Rating	L	L		W		М		
	(Code)	Female (A)	Male (B)	Female (A)	Male (B)	S	IVI	L	
В	5A (BD)	66.2	66.0	25.0	20.0	5.0~6.0	6.0~8.0	8.0~10.0	
D	10A (BB)	00.2	00.0	25.0	20.0	5.0~0.0	0.0~8.0	0.0 10.0	
	5A (CD)		62.7		22.4		8.0~10.0		
С	10A (CB)	64.2		28.0		6.0~8.0		10.0~12.0	
	20A (CC)								
	5A (BD)	70.2	60.0	24.0	27.0	0.0 10.0	10.0 12.0	12.0~14.0	
D	10A (BB)	70.2	69.0	36.0	27.0	0.0~10.0	10.0~12.0	12.0~14.0	

Unit: mm

Physical Dimension | Power Group

∖ Receptacle Panel Cut-out Front Fastened How to Install (A) (C) 8 (B) Q ۲ Current Panel Size Rating L OD А В С D Thickness (Code) Max. 5A (BD) В 14.8 15.6 18.8 14.0 20.6 23.7 4 10A (BB) 20A С 19.4 20.8 27.4 15.0 25.4 29.3 4.2 (CC) 20A D 23.6 25.6 26.3 14.9 28.6 33.0 3.6 (DC) Unit: mm

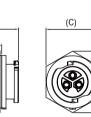
Panel Cut-out



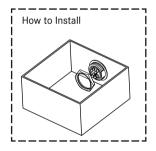


(B)

(A)

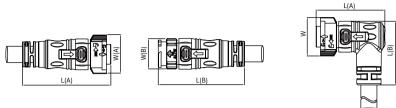


Q



Size	Current Rating (Code)	L	OD	A	В	С	D	Panel Thickness Max.
в —	5A (BD)	. 14.8	15.6	18.6	10.8	20.6	23.7	4.5
D	10A (BB)							7.0
С	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

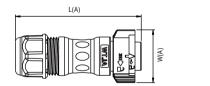
rightarrow Overmolded With Cable



	Current		Straig	nt Style		Righ	nt Angle Sty	/le	
Size	Rating	l	_	W	/	L(A)	L(B)	W	
	(Code)	Female (A)	Male (B)	Female (A)	Male (B)		Female		
В	5A (BD)	53.4	53.0	25.0	20.1	45.2	34.5	25.0	
D	10A (BB)	00.1	00.0					20.0	
с	5A (CD)	64.2	62.7	28.0	22.4	50.0	46.2	28.0	
U	10A (CB)	04.2	02.7	20.0	22.4	50.0	40.2	20.0	
D	5A (DD)	62.4	61.8	36.0	27.0	63.0	49.5	36.0	

Unit: mm

□ Field Installable



L(B)	
	W(B)

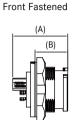
	Current		Straig	ht Style	Seal Size				
Size	Rating	L	L		V	S	М		
	(Code)	Female (A)	Male (B)	Female (A)	Male (B)	3	IVI	L	
В	5A (BD)	66.2	66.0	25.0	20.0	5.0~6.0	6.0~8.0	8.0~10.0	
Б	10A (BB)	00.2	00.0	25.0	20.0	5.0~0.0	0.0~0.0	0.0** 10.0	
	5A (CD)		62.7			6.0~8.0	8.0~10.0	10.0~12.0	
С	10A (CB)	64.2		28.0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

Unit: mm

Physical Dimension | Hybrid Group

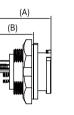
∖ Receptacle

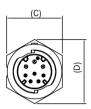
Panel Cut-out





Rear Fastened

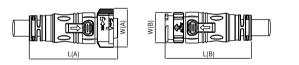


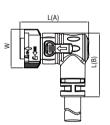


Size	Current Rating (Code)	Fasten Style	L	OD	А	В	С	D	Pannel Thickness Max.
D	10A+5A	Front	14.8	15.6	26.0	14.0	20.6	23.7	4
B (BBD)	Rear	14.8	15.6	24.9	17.0	20.6	23.7	4.5	
С	10A+5A	Front	19.4	20.8	25.2	15.0	25.4	29.3	4.2
C	(CBD)	Rear	19.4	20.8	25.2	17.2	25.4	29.3	4.2
	20A+5A	Front	23.6	25.6	24.1	14.9	28.6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

Unit: mm

rightarrow Overmolded With Cable





	Current		Straig	ht Style	Right Angle Style			
Size	Rating	L		W		L(A)	L(B)	W
	(Code)	Female (A)	Male (B)	Female (A)	Male (B)		Female	
В	10A+5A (BBD)	53.4	53.0	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

Unit: mm

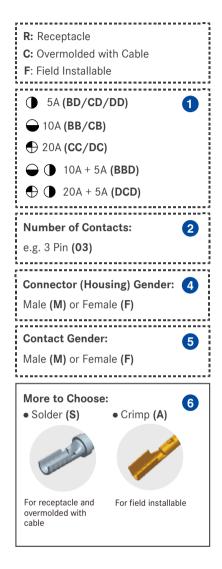
X-Lok Connector I Contact Configuration

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

Contact Configuration

		Sta			dard Size (B)					Middle				
		Da	ata		Power Hyb			orid	Data					
	5A	(BD)	10A	(BB)	5A	(BD)	10A	(BB)		A (BBD)	5A	(CD)	10A	(CB)
4 5	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	RC	RC			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)		
Po	wer	Hyb	orid	Da	ata	Po	wer	Hyl	brid
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
••	••					•	•		
R C F	R C F					R C F	R C F		
(* * * *	(* * *					•••	••		
R C F	R C F					R C F	R C F		
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				R C F	R C F	1			───┤
				RCF	R C F				



Find Our Standard Products

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

• Male	Male Connector (Housing) Male Contacts Push Lock		Overmolded with Cable	Overmolded with Cable	Field Installable
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-QL8D <u>XX</u> *	BD- 2 AFFM-QL8D <u>XX</u> * BD- 2 AFFM-QR8D <u>XX</u> *	BD- 2 BFFA-QL8 <u>X¹X²</u> 0**
Data	10A (BB)	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> *	-
rower	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>X¹X²</u> P**
Hybrid	10A+5A (BBD)	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

 Male Connector (Housing) Female Contacts Push 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) Female Contacts (F)	Female Connector (F) Male Contacts (M)	Female Connector (F) Male Contacts (M)
_	5A (BD)	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- 2 BFMA-QL8 <u>X¹X²</u> 0**
Data	10A (BB)	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 (BD)	03	BD-03AMFM-QL8E <u>XX</u> *	BD-03AFMM-QL8E <u>XX</u> * BD-03AFMM-QR8E <u>XX</u> *	-
Power	10A (BB)	02,03	BB- 2 AMFM-QL8E <u>XX</u> *	BB- 2 AFMM-QL8E <u>XX</u> * BB- 2 AFMM-QR8E <u>XX</u> *	BB- 2 BFMA-QL8 <u>X¹X²</u> P**
Hybrid	10A+5A (BBD)	06	BBD-06AMFM-QL8F <u>XX</u> *	BBD-06AFMM-QL8F <u>XX</u> * BBD-06AFMM-QR8F <u>XX</u> *	-
			*XX: Choose the cable length from 01-99 m	**X ¹ X ² : Seal Size + Package Option	ns



Male Connector (Housing) Male Contacts Push Lock		ousing)	Receptacle	Overmolded with Cable	ASSP- 2 FAC 5 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-QL8D <u>XX</u> * BD- 2 AFFM-QR8D <u>XX</u> *	BD- 2 BFFA-QL8 <u>X¹X²</u> 0**
Data	10A (BB)	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 (BD)	03	BD-03PMMS-QC800P BD-03RMMS-QC800P	BD-03AFFM-QL8E <u>XX</u> * BD-03AFFM-QR8E <u>XX</u> *	-
rower	10A (BB)	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- 2 BFFA-QL8 <u>X¹X²</u> P**
Hybrid	10A+5A (BBD)	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

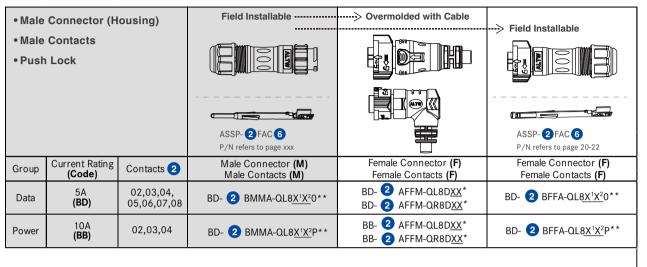
↘ Standard Size: 5/8"-27 UNS > Receptacle and Mating Pair

Male Connector (Housing) Male Contacts Push Lock		ousing)	Receptacle	Overmolded with Cable	Field Installable
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-QL8D <u>XX</u> * BD- 2 AFMM-QR8D <u>XX</u> *	BD- 2 BFMA-QL8 <u>X¹X²</u> 0**
Data	10A (BB)	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 (BD)	03	BD-03RMFS-QC800P BD-03PMFS-QC800P	BD-03AFMM-QL8E <u>XX</u> * BD-03AFMM-QR8E <u>XX</u> *	-
rower	10A (BB)	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- 2 BFMA-QL8 <u>X¹X²</u> P**
Hybrid	10A+5A (BBD)	06	BBD-06RMFS-QC8001 BBD-06PMFS-QC8001	BBD-06AFMM-QL8F <u>XX</u> * BBD-06AFMM-QR8F <u>XX</u> *	-
			*XX: Choose the cable length from 01-99 m	** $X^{1}X^{2}$: Seal Size + Package Option	ns

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

	Options [Contacts are available to be or without Contact or with Contacts or with Contacts are available to be sold in bulk individually. For further information, please refer to page 20-22.]
--	--

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



↘ 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-QL8 <u>X¹X²</u> 0**	BD- 2 AFMM-QL8D <u>XX</u> * BD- 2 AFMM-QR8D <u>XX</u> *	BD- 2 BFMA-QL8 <u>X¹X²</u> 0**
Power	10A (BB)	02,03	BB- 2 BMFA-QL8 <u>X¹X²</u> P**	BB- 2 AFMM-QL8D <u>XX</u> * BB- 2 AFMM-QR8D <u>XX</u> *	BB- 2 BFMA-QL8 <u>X¹X²</u> P**

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

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

 X1: Seal Size
 X2: Package Options

 (S) 5.0-6.0mm
 (N) Connector without Contact

 (M) 6.0-8.0mm
 (P) Connector with Contacts

 (L) 8.0-10.0mm
 (P) Connector with Contacts

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

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• Male	Male Connector (Housing)		Receptacle	> Overmolded with Cable	> Field Installable
• Male	Contacts				
• 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 (F) Female Contacts (F)	Female Connector (F) Female Contacts (F)
Data	5A (CD)	08,09,10,12	CD- 2 PMMS-QC8001	CD- 2 AFFM-QL8D <u>XX</u> * CD- 2 AFFM-QR8D <u>XX</u> *	CD- 2 BFFA-QL8 <u>X¹X²</u> 0**
Duta	10A (CB)	04,05,06	CB- 2 PMMS-QC8001	CB- 2 AFFM-QL8D <u>XX</u> *	CB- 2 BFFA-QL8 <u>X¹X²</u> 0**
Power	20A (CC)	02,03	CC- (2) PMMS-QC800P	CC- 2 AFFM-QL8E <u>XX</u> * CC- 2 AFFM-QR8E <u>XX</u> *	CC- 2 BFFA-QL8 <u>X¹X²</u> P**
Hybrid	10A+5A (CBD)	08	CBD-08PMMS-QC8001	CBD-08AFFM-QL8F <u>XX</u> * CBD-08AFFM-QR8F <u>XX</u> *	-

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

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

• Male Connector (Housing) • Male Contacts • Push Lock		ousing)	Receptacle	Overmolded with Cable	Field Installable
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-QL8D <u>XX</u> * CD- 2 AFMM-QR8D <u>XX</u> *	CD- 2 BFMA-QL8 <u>X¹X²</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- 2 BFMA-QL8 <u>X¹X²</u> 0**
Power	20A (CC)	02,03	CC- 2 PMFS-QC800P	CC- 2 AFMM-QL8E <u>XX</u> * CC- 2 AFMM-QR8E <u>XX</u> *	CC- 2 BFMA-QL8 <u>X¹X²</u> P**
Hybrid	10A+5A (CBD)	08	CBD-08PMFS-QC8001	CBD-08AFMM-QL8F <u>XX</u> * CBD-08AFMM-QR8F <u>XX</u> *	-

 $^{\star}\underline{XX}\!$ Choose the cable length from 01-99 m

** $X^{1}X^{2}$: Seal Size + Package Options $\sigma \sigma$ (SN) = Seal S + Connector without Contact

e.g. (5N) - 5ear 5 - C	Sonnector without contact
X ¹ : Seal Size	X ² : Package Options
(S) 6.0~8.0mm (M) 8.0~10.0mm (L) 10.0~12.0mm	(N) Connector without Contact (P) Connector with Contacts

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

Male Connector (Housing)		Receptacle	> Overmolded with Cable	·····> Field Installable	
• Male	Contacts				
• 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 (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-QL8D <u>XX</u> * CD- 2 AFFM-QR8D <u>XX</u> *	CD- 2 BFFA-QL8 <u>X¹X²</u> 0**
Data	10A (CB)	04,05,06	CB- 2 PMMS-QC8001 CB- 2 RMMS-QC8001	CB- 2 AFFM-QL8D <u>XX</u> *	CB- 2 BFFA-QL8 <u>X1X2</u> 0**
Power	20A (CC)	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- 2 BFFA-QL8 <u>X¹X²</u> P**
Hybrid	10A+5A (CBD)	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 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 (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-QL8D <u>XX</u> * CD- 2 AFMM-QR8D <u>XX</u> *	CD- 2 BFMA-QL8 <u>X¹X²</u> 0**
Data	10A (CB)	04,05,06	CB- 2 PMFS-QC8001 CB- 2 RMFS-QC8001	CB- 2 AFMM-QL8D <u>XX</u> *	CB- 2 BFMA-QL8 <u>X¹X²</u> 0**
Power	20A (CC)	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- 2 BFMA-QL8 <u>X¹X²</u> P**
Hybrid	10A+5A (CBD)	08	CBD-08PMFS-QC8001 CBD-08RMFS-QC8001	CBD-08AFMM-QL8F <u>XX</u> * CBD-08AFMM-QR8F <u>XX</u> *	-

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

** $\chi^{1}\chi^{2}$: Seal Size + Package Options e.g. (SN) = Seal S + Connector without Contact

 X¹: Seal Size
 X²: Package Options

 (S) 6.0-8.0mm
 (N) Connector without Contact

 (M) 8.0-10.0mm
 (P) Connector with Contacts

 Male Connector (Housing) Male Contacts Push Lock 			ASSP- 2 FAC 6	Overmolded with Cable	ASSP- 2 FAC 6
Group	Current Rating (Code)	Contacts 2	P/N refers to page xxx Male Connector (M) Male Contacts (M)	Female Connector (F) Female Contacts (F)	P/N refers to page 20-22 Female Connector (F) Female Contacts (F)
Data	5A (CD)	08,09,10,12	CD- 2 BMMA–QL8 <u>X¹X²</u> 0**	CD- 2 AFFM-QL8D <u>XX</u> * CD- 2 AFFM-QR8D <u>XX</u> *	CD- 2 BFFA-QL8 <u>X¹X²</u> 0**
Dala	10A (CB)	04,05,06	CB- 2 BMMA–QL8 <u>X¹X²</u> 0**	CB- 2 AFFM-QL8D <u>XX</u> *	CB- 2 BFFA-QL8 <u>X¹X²</u> 0**
Power	20A (CC)	02,03	CC- 2 BMMA–QL8 <u>X¹X²</u> P**	CC- 2 AFFM-QL8E <u>XX</u> * CC- 2 AFFM-QR8E <u>XX</u> *	CC- 2 BFFA-QL8 <u>X¹X²</u> P**

↘ Middle Size 13/16"-28UNS > In-Line

↘ Middle Size 13/16"-28UNS > In-Line

Male Connector (Housing)			Field Installable	·····> Overmolded with Cable	> Field Installable
• Male Contacts • Push Lock					
			ASSP-2FAC 6		ASSP-2FAC 6
			P/N refers to page xxx		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-QL8 <u>X¹X²</u> 0**	CD- 2 AFMM-QL8D <u>XX</u> * CD- 2 AFMM-QR8D <u>XX</u> *	CD- 2 BFMA-QL8 <u>X¹X²</u> 0**
Data	10A (CB)	04,05	CB- 2 BMFA-QL8 <u>X¹X²</u> 0**	CD- 2 AFMM-QL8D <u>XX</u> * CD- 2 AFMM-QR8D <u>XX</u> *	CB- 2 BFMA-QL8 <u>X¹X²</u> 0**
Power	20A (CC)	02,03	CC- 2 BMFA-QL8 <u>X¹X²</u> P**	CC- 2 AFMM-QL8E <u>XX</u> * CC- 2 AFMM-QR8E <u>XX</u> *	CC- 2 BFMA-QL8 <u>X¹X²</u> P**

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

** $X^{1}X^{2}$: 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
 [0]

 (N) Connector without Contact
 [0]

 (P) Connector with Contacts
 futor

• Male Connector (Housing) • Male Contacts • Push Lock		ousing)	Overmolded with Cable	Overmolded with Cable	Field Installable
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-QL8D <u>XX</u> *	DD- 2 AFFM-QL8D <u>XX</u> * DD- 2 AFFM-QL8D <u>XX</u> *	DD- 2 BFFA-QL8 <u>X¹X²</u> 0**
Power	20A (DC)	02,03,05	DC- 2 AMMM-QL8EXX*	DC- 2 AFFM-QL8E <u>XX</u> * DC- 2 AFFM-QL8E <u>XX</u> *	DC- 2 BFFA-QL8X ¹ X ² 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

□ Large Size 1"-20UNEF > In-Line

• Male Connector (Housing) • Female Contacts • Push Lock		ousing)	Overmolded with Cable	Overmolded with Cable	ASSP- 2 FAC 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-QL8D <u>XX</u> *	DD- 2 AFMM-QL8D <u>XX</u> * DD- 2 AFMM-QL8D <u>XX</u> *	DD- 2 BFMA-QL8 <u>X1X2</u> 0**
Power	20A (DC)	02,03,05	DC- 2 AMFM-QL8E <u>XX</u> *	DC- 2 AFMM-QL8E <u>XX</u> * DC- 2 AFMM-QL8E <u>XX</u> *	DC- 2 BFMA-QL8 <u>X1X2</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> *	-

<u> </u>			-	•	
• Male	Connector (H	ousing)	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 (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-QL8D <u>XX</u> * DD- 2 AFFM-QR8D <u>XX</u> *	DD- 2 BFFA-QL8 <u>X1X2</u> 0**
Power	10A (DC)	02,03,05	DC- 2 PMMS-QC800P DC- 2 RMMS-QC800P	DC- 2 AFFM-QL8D <u>XX</u> *	DC- 2 BFFA-QL8 <u>X¹X²</u> P**
Hybrid	20A+5A (DCD)	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

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

• Male Connector (Housing) • Female Contacts • Push Lock		ousing)	Receptacle	Overmolded with Cable	Field Installable
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-QL8D <u>XX</u> * DD- 2 AFMM-QR8D <u>XX</u> *	DD- 2 BFMA-QL8 <u>X¹X²</u> 0**
Power	10A (DC)	02,03,05	DC- 2 PMFS-QC800P DC- 2 RMFS-QC800P	DC- 2 AFMM-QL8D <u>XX</u> *	DC- 2 BFMA-QL8 <u>X¹X²</u> P**
Hybrid	20A+5A (DCD)	12	DCD- 2 PMFS-QC8001 DCD- 2 RMFS-QC8001	DCD- 2 AFMM-QL8E <u>XX</u> * DCD- 2 AFMM-QR8E <u>XX</u> *	-

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

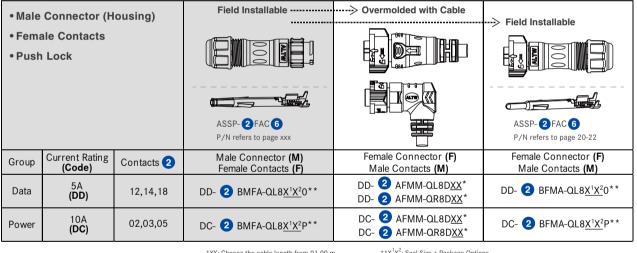
 $**X\frac{1}{2}$: Seal Size + Package Options e.g. (SN) = Seal S + Connector without Contact

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

	Connector (H Contacts Lock	ousing)	Field Installable	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 (F) Female Contacts (F)	Female Connector (F) Female Contacts (F)
Data	5A (DD)	14,18	DD- 2 BMMA-QL8 <u>X¹X²</u> 0**	DD- 2 AFFM-QL8D <u>XX</u> * DD- 2 AFFM-QR8D <u>XX</u> *	DD- 2 BFFA-QL8 <u>X¹X²</u> 0**
Power	20A (DC)	02,03,05	DC- 2 BMMA-QL8 <u>X¹X²</u> P**	DC- 2 AFFM-QL8D <u>XX</u> * DC- 2 AFFM-QR8D <u>XX</u> *	DC- 2 BFFA-QL8 <u>X¹X²</u> P**

□ Large Size 1"-20UNEF > In-Line

□ Large Size 1"-20UNEF > In-Line



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

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

X¹: Seal Size X²: Package Options (N) Connector without Contact (P) Connector with Contacts

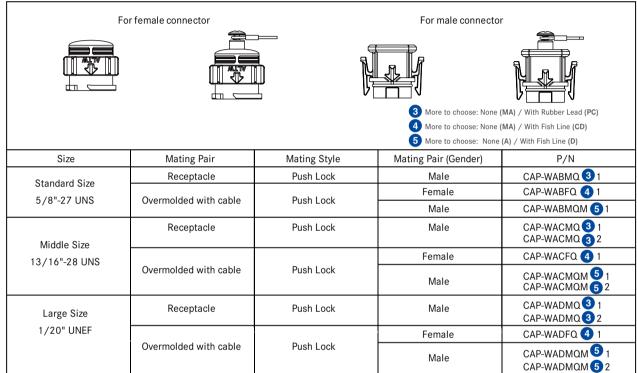
(S) 8.0~10.0mm (M) 10.0~12.0mm (L) 12.0~14.0mm

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

20-21 Amphenol LTW Technology Co., Ltd.

☐ I-Adaptor, T-Adaptor & T-Cable

Customization - Upon Request			
	I-Adaptor	T-Adaptor	T-Cable
☐ Waterproof Cap			



↘ Contacts & Crimp Tool

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

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