



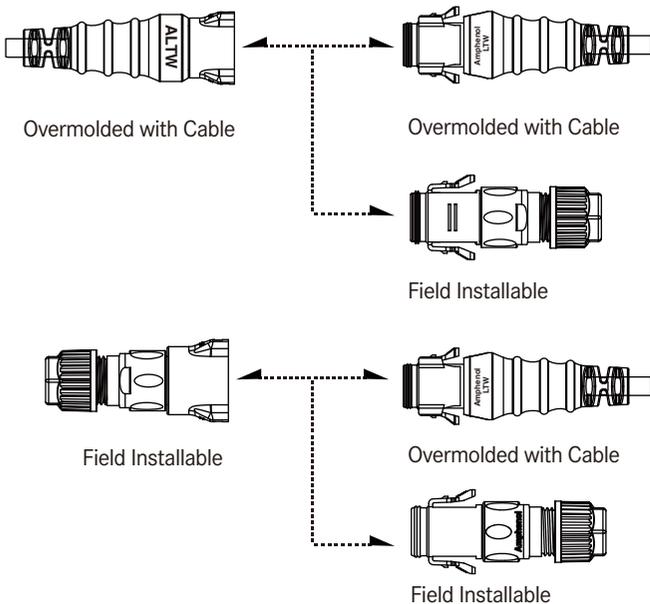
CATALOGUE

RBL Connector

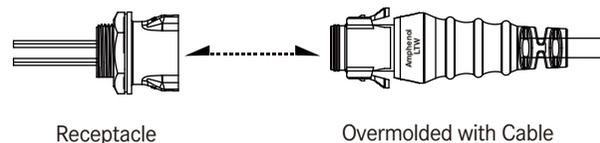


Range Overview

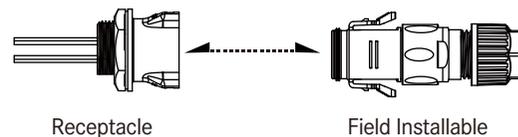
∨ In-line



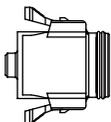
∨ Receptacle and Mating Pair



∨ Receptacle to Field Installable



∨ Accessories



Waterproof Cap
See page 20-6

Specification

Identifications	C Size (Middle Size: 13/16"-28 UNS) / D-Size (Large Size: 1"-28UNS)
Description	Receptacle Overmolded with Cable Field Installable
Current Rating / Data	5A, 10A, 20A
Material	Contacts: Copper Alloy, Tin Plated & Gold Plated (Selective) Connector Body (Housing) : m-PPE,540Z,Black
Waterproof Rating	IP67
Temperature Range	Receptacle: -40°C ~ +105°C Overmolded with Cable: -20°C~80°C Field Installable: -40°C~ +105°C
Contact Resistance	≤ 10mΩ
Insulation Resistance	≥ 100MΩ at DC500V
Durability	250 cycles
Breakdown Voltage	≥ AC1000V / 1 minute
More to know	Salt Spray Corrosion Test: 48H Standard Cable Length: 01~99M

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

Ordering Information

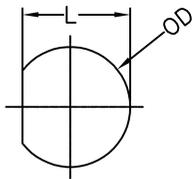
	1 - 2	3	4	5	6 - 7	8	9	10
Specification / Current Rating								
<u>>Middle size:13 / 16"-28 UNS</u>			<u>>>Large Size:1"-20UNS</u>					
(CD) 5A			(DD) 5A					
(CB) 10A			(DC) 20A					
Number of Contacts								
02、03、04.....								
EX. (04) = 4 Contacts								
Connector Body (Style)								
<u>> For Receptacle</u>			<u>> For Ovremolded with Cable</u>			<u>> For Field installable</u>		
(R) Rear Fastened			(A) With Strain Relief			(B) Without Strain Relief		
Connector (Housing) Gender								
(M) Male			(F) Female					
Contact Gender								
(M) Male								
(F) Female								
Assemble Style								
<u>> For Receptacle</u>			<u>> For Overmolded with Cable</u>					
(C) Crimp Type			(M) Overmolder with cable					
			<u>> For Field Installable</u>					
			(C) Field Installable(Crimp Type)					
Mating Style								
(R) Snap-in with Latch								
Backshell								
<u>> For Receptacle</u>			<u>> For Overmolded with Cable</u>			<u>> For Field</u>		
(C) Circular			(L) Straight			<u>Installable</u>		
(S) Square Flange			(R) Right Angle			(L) Straight		
Waterproof Rating								
(7) IP 67								
More information								
<u>> For Receptacle with Wireharness</u>			<u>> For Overmolded with Cable</u>					
(□) + (■) : Wire Type + Wire Length			(□) + (■) : Cable Type + Cable Length					
EX. (A10) = UL1015 Wire + 10 CM								
<u>(□) : Wire Type</u>			<u>(■) : Wire Length</u>		<u>(□) : Cable Type</u>		<u>(■) : Cable Length</u>	
(A) UL1015 Wire			(10) 10CM		(A) UL2464 Cable		From 1M to 99M	
(B) UL1430 Wire			(30) 30CM				EX. (01) = 1M	

Physical Dimension

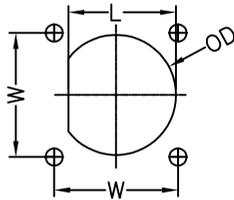
Receptacle

Panel Cut-Out

A Backshell: Circular



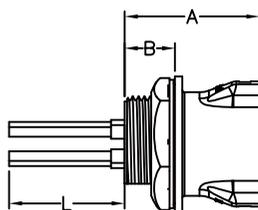
B Backshell: Square Flange



AMP		Dimension	Type	L	W	OD
Size	Current Rating (Code)	Female				
Middle Size	5A(CD)	A	19.4	-	20.8	22.3
		B		22.3		
	10A(CB)	A		-		
		B		22.3		
Large Size	5A(DD)	A	23.6	-	25.6	26.0
		B		26.0		
	20A(DC)	A		-		
		B		26.0		

Connector Dimension

A Backshell: Circular



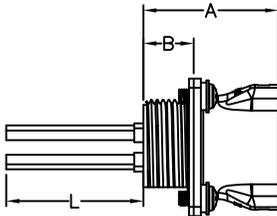
AMP		Dimension	A	B	OD	L(cm)	Panel Thickness Max
Size	Current Rating (Code)	Female					
Middle Size	5A(CD)	29.5	11.0	29.5	10 / 30	5.0	
	10A(CB)						
Large Size	5A(DD)	28.4	10.3	36.0	10 / 30	5.0	
	20A(DC)						

Physical Dimension

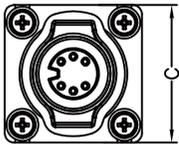
Receptacle

Connector Dimension

B Backshell: Square Flange

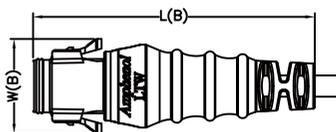
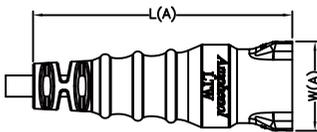


AMP		Dimension				L(cm)	Panel Thickness Max
Size	Current Rating (Code)	A	B	C	Female		
Middle Size	5A(CD)	29.5	11.0	30.0	10 / 30	-	
	10A(CB)						
Large Size	5A(DD)	28.4	10.3	36.0	10 / 30	-	
	20A(DC)						



Overmolded with Cable

With Strain Relief / Straight



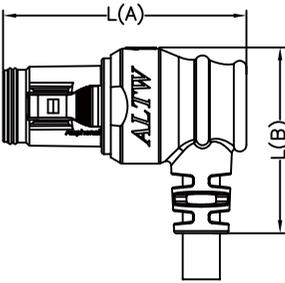
AMP		Dimension		L		W	
Size	Current Rating (Code)	Female (A)	Male (B)	Female (A)	Male (B)		
Middle Size	5A(CD)	79.4 (Ref.)	86.3 (Ref.)	27.3	28.8		
	10A(CB)						
Large Size	5A(DD)	90.0 (Ref.)	97.0 (Ref.)	32.5	34.3		
	20A(DC)						

Overmolded with Cable

With Strain Relief / Right Angle

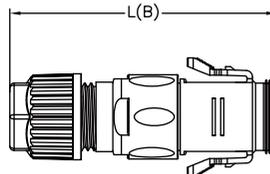
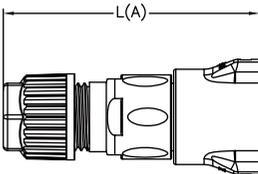


AMP		Dimension	L (A)	L (B)	W
Size	Current Rating (Code)	Male			
Middle Size	5A(CD)	53.8	40.6	28.8	
	10A(CB)				
Large Size	5A(DD)	-	-	-	
	20A(DC)				



Field Installable

Without Strain Relief / Straight



AMP		Dimension	L		W	
Size	Current Rating (Code)		Female (A)	Male (B)	Female (A)	Male (B)
Middle Size	5A(CD)	51.5 (Ref.)	56.2 (Ref.)	27.3	28.8	
	10A(CB)					
Large Size	20A(DC)	67.8 (Ref.)	71.3 (Ref.)	32.5	34.3	

Contact Configuration

▲ 5A ■ 10A ◆ 20A	Middle Size (C)											
	5A (CD)				10A (CB)							
	4	5	MM	FF	MF	FM	MM	FF	MF	FM		
2 Pin (02)												
	C F	R C F	C F	R C F	C F	R C F	C F	R C F	C F	R C F	C F	R C F
3 Pin (03)												
	C F	R C F	C F	R C F	C F	R C F	C F	R C F	C F	R C F	C F	R C F
4 Pin (04)												
	C F	R C F	C F	R C F	C F	R C F	C F	R C F	C F	R C F	C F	R C F
5 Pin (05)												
	C	C R	C	C R								
6 Pin (06)												
	C	C R	C	C R								
7 Pin (07)												
	C	C R	C	C R								
8 Pin (08)												
	C	C R	C	C R								
9 Pin (09)												
	C	C R	C	C R								
10 Pin (10)												
12 Pin (12)												
14 Pin (14)												
18 Pin (18)												

	Large Size (D)							
	5A (DD)				10A (DC)			
4 5	MM	FF	MF	FM	MM	FF	MF	FM
2 Pin (02)								
					C F	R C F	C F	R C F
3 Pin (03)								
					C F	R C F	C F	R C F
4 Pin (04)								
					C F	R C F	C F	R C F
5 Pin (05)								
6 Pin (06)								
7 Pin (07)								
8 Pin (08)								
9 Pin (09)								
10 Pin (10)								
	C	C R	C	C R				
12 Pin (12)								
	C	C R	C	C R				
14 Pin (14)								
	C	C R	C	C R				
18 Pin (18)								
	C	C R	C	C R				

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

1
 5A (CD/DD)
 10A (CB) 20A (DC)

2
Contact Number:
 Ex. 2 Pin (02)

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

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

6
More to Choose:

• Crimp (C)

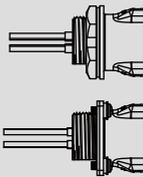
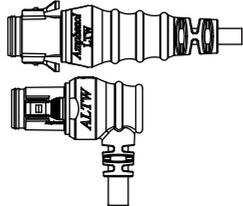
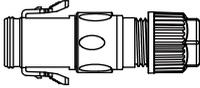



* More available: 1. Plated thickness

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

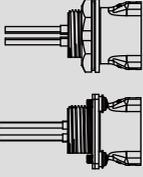
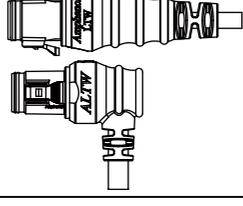
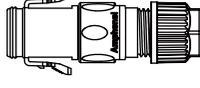
Find Our Standard Products

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

<ul style="list-style-type: none"> Female Connector (Housing) Snap-in with Latch 		Receptacle 	Overmolded with Cable 	Field Installable 
Current Rating (Code)	Contacts 2	Female Connector (F) Female Contacts (F)	Male Connector (M) Male Contacts (M)	Male Connector (M) Male Contacts (M)
5A (CD)	02 \ 03 \ 04 \ 05 \ 06 \ 07 \ 08 \ 09	CD- 2 RFFC-RC7BXX* CD- 2 RFFC-RS7BXX*	CD- 2 AMMM-RL7AXX** CD- 2 AMMM-RR7AXX**	CD-02BMMC-RL7001 CD-03BMMC-RL7001 CD-04BMMC-RL7001
10A (CB)	02 \ 03 \ 04	CB- 2 RFFC-RC7AXX* CB- 2 RFFC-RS7AXX*	CB- 2 AMMM-RL7AXX** CB- 2 AMMM-RR7AXX**	CB- 2 BMMC-RL7001

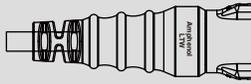
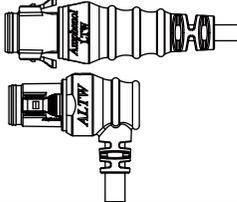
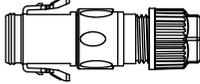
* XX: Receptacle With Wireharness: A10 - 10cm; A30 - 30cm
** XX: Choose the cable length from 01~99m

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

<ul style="list-style-type: none"> Female Connector (Housing) Snap-in with Latch 		Receptacle 	Overmolded with Cable 	Field Installable 
Current Rating (Code)	Contacts 2	Female Connector (F) Male Contacts (M)	Male Connector (M) Female Contacts (F)	Male Connector (M) Female Contacts (F)
5A (CD)	02 \ 03 \ 04 \ 05 \ 06 \ 07 \ 08 \ 09	CD- 2 RFMC-RC7BXX* CD- 2 RFMC-RS7BXX*	CD- 2 AMFM-RL7AXX* CD- 2 AMFM-RR7AXX*	CD-02.03.04BMFC-RL7001
10A (CB)	02 \ 03 \ 04	CB- 2 RFMC-RC7AXX* CB- 2 RFMC-RS7AXX*	CB- 2 AMMM-RL7AXX* CB- 2 AMFM-RR7AXX*	CB- 2 BMFC-RL7001

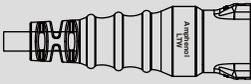
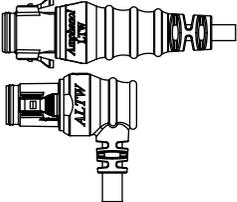
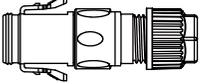
* XX: Receptacle With Wireharness: A10 - 10cm; A30 - 30cm
** XX: Choose the cable length from 01~99m

∟ Middle Size: 13/16"-28 UNS > In-Line

<ul style="list-style-type: none"> ● Female Connector (Housing) ● Snap-in with Latch 		Receptacle 	Overmolded with Cable 	Field Installable 
Current Rating (Code)	Contacts ②	Female Connector (F) Female Contacts (F)	Male Connector (M) Male Contacts (M)	Male Connector (M) Male Contacts (M)
5A (CD)	02、03、04、05、06、07、08、09	CD-② AFFM-RL7A \underline{XX} *	CD-② AMMM-RL7A \underline{XX} ** CD-② AMMM-RR7A \underline{XX} **	CD-02BMMC-RL7001 CD-03BMMC-RL7001 CD-04BMMC-RL7001
10A (CB)	02、03、04	CB-② AFFM-RL7A \underline{XX} *	CB-② AMMM-RL7A \underline{XX} ** CB-② AMMM-RR7A \underline{XX} **	CB-② BMMC-RL7001

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

∟ Middle Size: 13/16"-28 UNS > In-Line

<ul style="list-style-type: none"> ● Female Connector (Housing) ● Snap-in with Latch 		Receptacle 	Overmolded with Cable 	Field Installable 
Current Rating (Code)	Contacts ②	Female Connector (F) Male Contacts (F)	Male Connector (M) Female Contacts (M)	Male Connector (M) Female Contacts (M)
5A (CD)	02、03、04、05、06、07、08、09	CD-② AFFM-RL7A \underline{XX} *	CD-② AMFM-RL7A \underline{XX} ** CD-② AMFM-RR7A \underline{XX} **	CD-02BMMC-RL7001 CD-03BMMC-RL7001 CD-04BMMC-RL7001
10A (CB)	02、03、04	CB-② AFFM-RL7A \underline{XX} *	CB-② AMFM-RL7A \underline{XX} ** CB-② AMFM-RR7A \underline{XX} **	CB-② BMFC-RL7001

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

① — ② ③ ④ ⑤ ⑥ — ⑦ ⑧ ⑨ ⑩

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

∨ Middle Size: 13/16"-28 UNS >In-line

<ul style="list-style-type: none"> Female Connector (Housing) Snap-in with Latch 		Field Installable -----> Overmolded with Cable -----> Field Installable		
Current Rating (Code)	Contacts 2	Female Connector (F) Female Contacts (F)	Male Connector (M) Male Contacts (M)	Male Connector (M) Male Contacts (M)
5A (CD)	02 、 03 、 04	CD- 2 BFFC-RL7001	CD- 2 AMMM-RL7AXX* CD- 2 AMMM-RR7AXX*	CD- 2 BMMC-RL7001
10A (CB)	02 、 03 、 04	CB- 2 BFFC-RL7001	CB- 2 AMMM-RL7AXX* CB- 2 AMMM-RR7AXX*	CB- 2 BMMC-RL7001

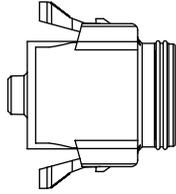
* XX: Choose the cable length from 01~99m

∨ Middle Size: 13/16"-28 UNS >In-line

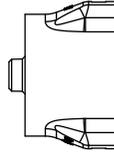
<ul style="list-style-type: none"> Female Connector (Housing) Snap-in with Latch 		Field Installable -----> Overmolded with Cable -----> Field Installable		
Current Rating (Code)	Contacts 2	Female Connector (F) Male Contacts (F)	Male Connector (M) Female Contacts (M)	Male Connector (M) Female Contacts (M)
5A (CD)	02 、 03 、 04	CD- 2 BFFC-RL7001	CD- 2 AMFM-RL7AXX* CD- 2 AMFM-RR7AXX*	CD- 2 BMFC-RL7001
10A (CB)	02 、 03 、 04	CB- 2 BFFC-RL7001	CB- 2 AMFM-RL7AXX* CB- 2 AMFM-RR7AXX*	CB- 2 BMFC-RL7001

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

↳ Accessories > Waterproof Cap



Mating Pair (Gender): Female



Mating Pair (Gender): Male

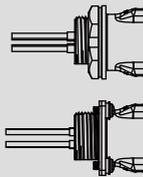
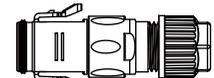
5 Choose Connector Gender Male (M) or Female (F)

Size	Mating Pair	Mating Style	Part Number
13/16"-28 UNS	Receptacle	Snap-in With Latch	CAP-WAC 5 RMA1
	Overmolded with Cable	Snap-in With Latch	
	Receptacle and Overmolded with Cable	Snap-in With Latch	

1 — 2 3 4 5 6 — 7 8 9 10

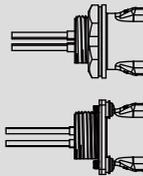
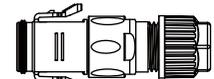
【Note】 Design and specification are subject to change without notice.

└ Large Size: 1"-20UNS >Receptacle and Mating Pair

<ul style="list-style-type: none"> Female Connector (Housing) Snap-in with Latch 		Receptacle 	Overmolded with Cable 	Field Installable 
Current Rating (Code)	Contacts 2	Female Connector (F) Female Contacts (F)	Male Connector (M) Male Contacts (M)	Male Connector (M) Male Contacts (M)
5A (DD)	10、12、14、18	DD- 2 RFFC-RC7A <u>XX</u> * DD- 2 RFFC-RS7A <u>XX</u> *	DD- 2 AMMM-RL7A <u>XX</u> **	--
20A (DC)	02、03、04	DC- 2 RFFC-RC7A <u>XX</u> * DC- 2 RFFC-RS7A <u>XX</u> *	DC- 2 AMMM-RL7A <u>XX</u> **	DC- 2 BMMC-RL7001

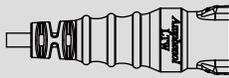
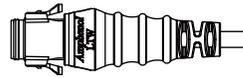
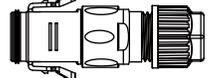
* XX: Receptacle With Wireharness: A10 - 10cm; A30 - 30cm
 ** XX: Choose the cable length from 01~99m

└ Large Size: 1"-20UNS >Receptacle and Mating Pair

<ul style="list-style-type: none"> Female Connector (Housing) Snap-in with Latch 		Receptacle 	Overmolded with Cable 	Field Installable 
Current Rating (Code)	Contacts 2	Female Connector (F) Male Contacts (M)	Male Connector (M) Female Contacts (F)	Male Connector (M) Female Contacts (F)
5A (DD)	10、12、14	DD- 2 RFMC-RC7A <u>XX</u> * DD- 2 RFMC-RS7A <u>XX</u> *	DD- 2 AMFM-RL7A <u>XX</u> **	--
20A (DC)	02、03、04	DC- 2 RFMC-RC7A <u>XX</u> * DC- 2 RFMC-RS7A <u>XX</u> *	DC- 2 AMFM-RL7A <u>XX</u> **	DC- 2 BMFC-RL7001

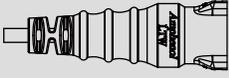
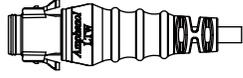
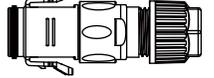
* XX: Receptacle With Wireharness: A10 - 10cm; A30 - 30cm
 ** XX: Choose the cable length from 01~99m

∟ Large Size: 1"-20UNS >In-Line

<ul style="list-style-type: none"> ● Female Connector (Housing) ● Snap-in with Latch 		Receptacle 	Overmolded with Cable 	Field Installable 
Current Rating (Code)	Contacts ②	Female Connector (F) Female Contacts (F)	Male Connector (M) Male Contacts (M)	Male Connector (M) Male Contacts (M)
5A (DD)	10、12、14、18	DD-② AFFC-RL7A <u>XX</u> *	DD-② AMMM-RL7A <u>XX</u> **	--
20A (DC)	02、03、04	DC-② AFFC-RL7A <u>XX</u> *	DC-② AMMM-RL7A <u>XX</u> **	DC-② BMMC-RL7001

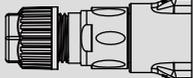
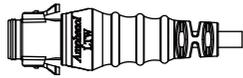
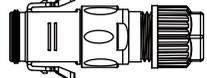
* XX: Choose the cable length from 01~99m

∟ Large Size: 1"-20UNS >In-Line

<ul style="list-style-type: none"> ● Female Connector (Housing) ● Snap-in with Latch 		Receptacle 	Overmolded with Cable 	Field Installable 
Current Rating (Code)	Contacts ②	Female Connector (F) Male Contacts (M)	Male Connector (M) Female Contacts (F)	Male Connector (M) Female Contacts (F)
5A (DD)	10、12、14	DD-② AFMC-RC7A <u>XX</u> *	DD-② AMFM-RL7A <u>XX</u> **	--
20A (DC)	02、03、04	DC-② AFMC-RC7A <u>XX</u> *	DC-② AMFM-RL7A <u>XX</u> **	DC-② BMFC-RL7001

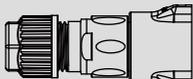
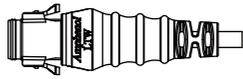
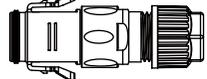
* XX: Choose the cable length from 01~99m

∟ Large Size: 1"-20UNS >In-Line

<ul style="list-style-type: none"> Female Connector (Housing) Snap-in with Latch 		Receptacle 	Overmolded with Cable 	Field Installable 
Current Rating (Code)	Contacts ²	Female Connector (F) Female Contacts (F)	Male Connector (M) Male Contacts (M)	Male Connector (M) Male Contacts (M)
5A (DD)	10、12、 14、18	--	DD- ² AMMM-RL7A <u>XX</u> **	--
20A (DC)	02、03、04	DC- ² RFFC-RL7A <u>XX</u> *	DC- ² AMMM-RL7A <u>XX</u> **	DC- ² BMMC-RL7001

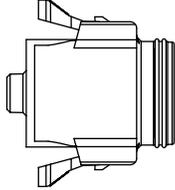
* XX: Choose the cable length from 01-99m

∟ Large Size: 1"-20UNS >In-Line

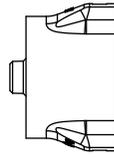
<ul style="list-style-type: none"> Female Connector (Housing) Snap-in with Latch 		Receptacle 	Overmolded with Cable 	Field Installable 
Current Rating (Code)	Contacts ²	Female Connector (F) Male Contacts (M)	Male Connector (M) Female Contacts (F)	Male Connector (M) Female Contacts (F)
5A (DD)	10、12、 14、18	--	DD- ² AMFM-RL7A <u>XX</u> **	--
20A (DC)	02、03、04	DC- ² RFMC-RL7A <u>XX</u> *	DC- ² AMFM-RL7A <u>XX</u> **	DC- ² BMFC-RL7001

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

∨ Accessories > Waterproof Cap



Mating Pair (Gender): Female



Mating Pair (Gender): Male

5 Choose Connector Gender Male (M) or Female (F)

Size	Mating Pair	Mating Style	Part Number
1"-20UNS	Receptacle	Snap-in With Latch	CAP-WAD 5 RMA1
	Overmolded with Cable	Snap-in With Latch	
	Receptacle and Overmolded with Cable	Snap-in With Latch	

1 — 2 3 4 5 6 — 7 8 9 10

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

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