



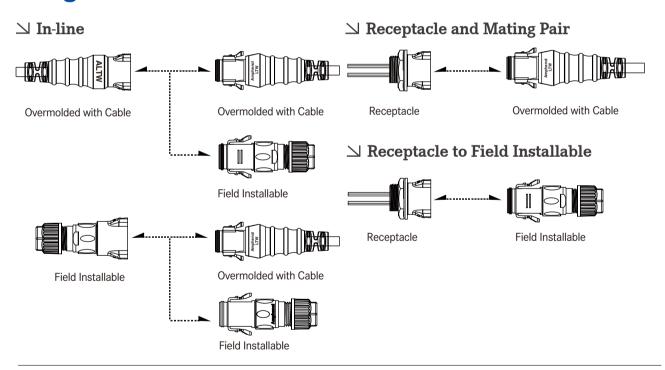


CATALOGUE

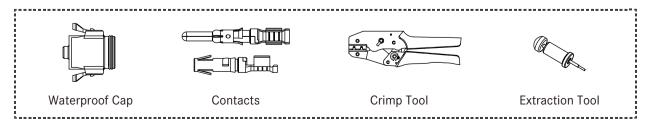
RBL Connector



Range Overview



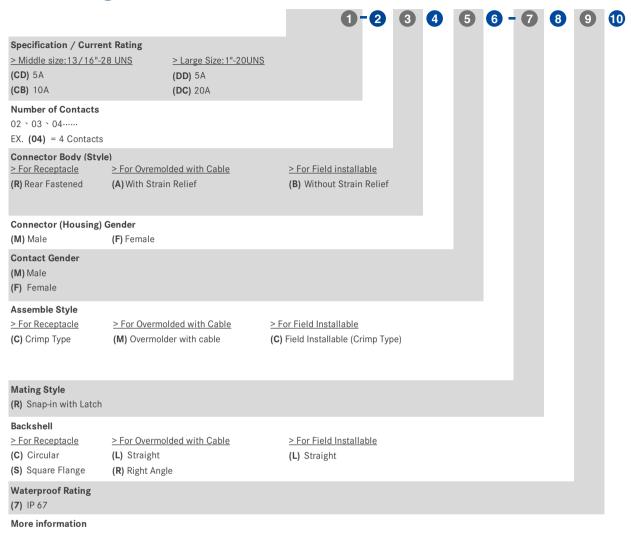
△ Accessories



Specification

Identifications	C Size (Middle Size: 13/16"-28 UNS) / D-Size (Large Size:1"20UNS)
Description	Receptacle with Wire Harness Overmolded with Cable Field Installable
Current Rating / Data	5A, 10A, 20A
Material	Contacts: Copper Alloy, Gold Plated Connector Body (Housing): m-PPE, 540Z, Black
Waterproof Rating	IP67
Temperature Range	Receptacle with Wire Harness: -40°C ~ 105°C Overmolded with Cable: -20°C ~ 80°C Field Installable: -40°C ~ 105°C
Contact Resistance	$\leq 10 m\Omega$
Insulation Resistance	$\geq 100 M\Omega$ at DC500V
Durability	250 cycles
Dielectric Withstand Voltage	1,000V plus 2 times the rated voltage / 1 minute
More to know	Salt Spray Corrosion Test: 48H Standard Cable Length: 01~99M

Ordering Information



> For Receptacle with Wirehamess

(□)+(■): Wire Type + Wire Length

e.g. (A10) = UL1015 Wire + 10 CM

(□): Wire Type (A) UL1015 Wire (■): Wire Length (10) 10CM

(B) UL1430 Wire **(30)** 30CM

> For Overmolded with Cable

(\square)+(\blacksquare) : Cable Type + Cable Length

(□) : Cable Type

(A) UL2464 Cable (D) UL21388 Cable

(E) SJTW Cable

(■): Cable Length From 1M to 99M

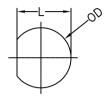
e.g.(01)= 1M

Physical Dimension

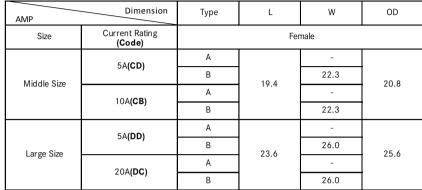
∠ Receptacle

Panel Cut-Out

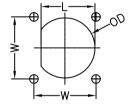
A Backshell: Circular



B Backshell: Square Flange

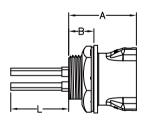


Unit: mm



Connector Dimension

A Backshell: Circular



AMP	Dimension	Α	В	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
Wild die Gize	10A (CB)	27.0				
Large Size	5A (DD)	28.4	10.3	36.0	10 / 30	5.0
	20A(DC)	20.4	10.3	30.0		

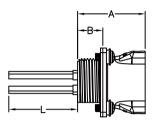
Unit: mm



∠ Receptacle

Connector Dimension

B Backshell: Square Flange



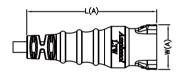
AMP	Dimension	Α	В	С	L(cm)	Panel Thickness Max
Size	Current Rating (Code)	Female				
Middle Size	5A (CD)	29.5	11.0	30.0	10 / 30	
Wildale Oize	10A (CB)	27.5	11.0	50.0	10 / 00	1
Large Size	5A (DD)	28.4	10.3	36.0	10 / 30	
Edi go oizo	20A (DC)	20.1	10.5	00.0	10 / 00	-

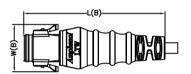
Unit: mm



□ Overmolded with Cable

With Strain Relief / Straight





Dimension AMP		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
Wildule Size	10A (CB)	7 7.4 (Nel.)	00.3 (Nel.)	27.5	
Large Size	5A (DD)	90.0 (Ref.)	97.0 (Ref.)	32.5	34.3
	20A (DC)	90.0 (Kei.)	97.0 (Rel.)	32.3	34.3

Unit: mm

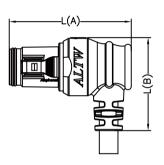
○ Overmolded with Cable

With Strain Relief / Right Angle



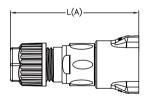
AMP	Dimension	L(A)	L(B)	W	
Size	Current Rating (Code)	Male			
Middle Size	5A (CD)	53.8	40.6	28.8	
Wildule Size	10A (CB)	55.0	40.0	20.0	

Unit: mm

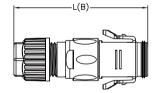


∠ Field Installable

Without Strain Relief / Straight









AMP	Dimension	L	-	W		
Size	Current Rating (Code)	Female (A)	Male (B)	Female (A)	Male (B)	
Middle Size	5A (CD)	60.9 (Ref.)	63.5 (Ref.)	27.3	28.0	
Wildule Size	10A (CB)	00.9 (Nel.)	00.5 (Nel.)	27.5	28.0	
Large Size	20A (DC)	68.9 (Ref.)	72.5 (Ref.)	32.5	34.3	

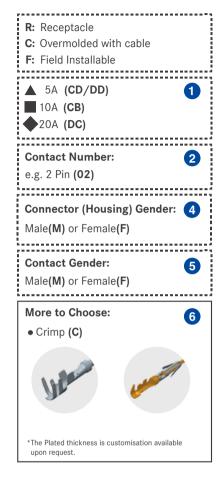
Unit: mm



Contact Configuration

	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
3 Pin (03)	C F	R C F	C F	R C F	F C	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
5 Pin (05)	C C	C R	-C	C R				
6 Pin (06)	C C	C R	C	C R				
7 Pin (07)	C C	C R	C C	C R				
8 Pin (08)	C C	C R	C	C R				
9 Pin (09)	C C	C R	c c	C R				
10 Pin (10)				·				
12 Pin (12)								
14 Pin (14)								
18 Pin (18)								

	Large Size (D)							
		5A ((DD)		20A (DC)			
4 5	ММ	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				(AAAA)				
(10) 12 Pin	C C	C R		C R				
(12)	С	C R	С	C R				
14 Pin (14)								
18 Pin (18)	C C	C R	С	C R				





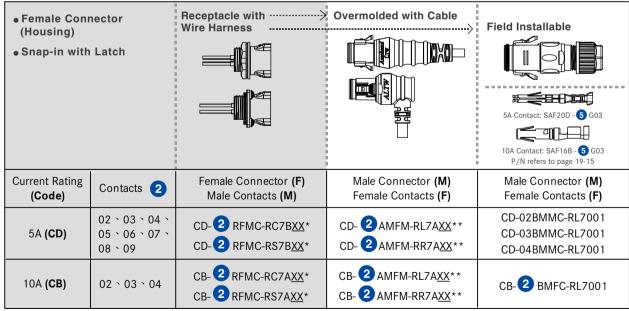
Find Our Standard Products

Middle Size: 13/16"-28 UNS > Receptacle with Wire Harness and Mating Pair

Female Connector (Housing) Snap-in with Latch		Receptacle with	Overmolded with Cable	Field Installable 5A Contact: SAM20D - 6 G03 10A Contact: SAM16B - 6 G03 P/N refers to page 19-15
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-RC7B <u>XX</u> * CD- 2 RFFC-RS7B <u>XX</u> *	CD-2 AMMM-RL7A <u>XX</u> ** CD-2 AMMM-RR7A <u>XX</u> **	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-RL7A <u>XX</u> ** CB- 2 AMMM-RR7A <u>XX</u> **	CB-2 BMMC-RL7001

^{*} \underline{XX} : Choose the wire harness length: (10) 10cm; (30) 30cm

\triangle Middle Size: 13/16"-28 UNS > Receptacle with Wire Harness and Mating Pair



^{*} XX: Choose the wire harness length: (10) 10cm; (30) 30cm

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

^{**} \underline{XX} : Choose the cable length from 01~99m

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

Female Connector (Housing) Snap-in with Latch		Overmolded with Cable	Overmolded with Cable	Field Installable 5A Contact: SAM20D - 6 G03 10A Contact: SAM16B - 6 G03 P/N refers to page 19-15
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 <u>XX</u> *	CD-2 AMMM-RL7A <u>XX</u> * CD-2 AMMM-RR7A <u>XX</u> *	CD-02BMMC-RL7001 CD-03BMMC-RL7001 CD-04BMMC-RL7001
10A (CB)	02 \ 03 \ 04	CB-2 AFFM-RL7AXX*	CB- 2 AMMM-RL7AXX* CB- 2 AMMM-RR7AXX*	CB-2 BMMC-RL7001

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

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

Female Connector (Housing) Snap-in with Latch		Overmolded with Cable	Overmolded with Cable	Field Installable 5A Contact: SAF20D - 3 G03 10A Contact: SAF16B - 3 G03 P/N refers to page 19-15
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 AFMM-RL7AXX	CD- 2 AMFM-RL7AXX* CD- 2 AMFM-RR7AXX*	CD-02BMFC-RL7001 CD-03BMFC-RL7001 CD-04BMFC-RL7001
10A (CB)	02 \ 03 \ 04	CB- 2 AFMM-RL7AXX*	CB- 2 AMFM-RL7A <u>XX</u> * CB- 2 AMFM-RR7A <u>XX</u> *	CB- 2 BMFC-RL7001

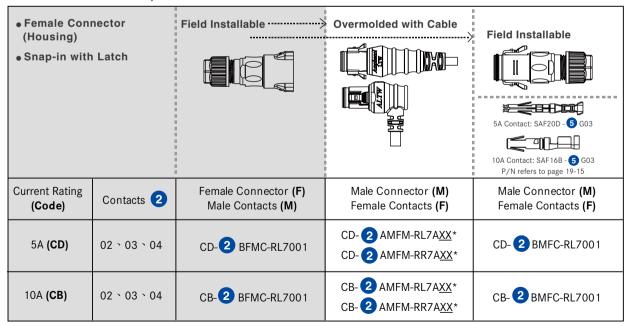
 $^{^{\}star}$ XX: Choose the cable length from 01~99m

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

Female Connector (Housing) Snap-in with Latch		Field Installable	Overmolded with Cable	Field Installable 5A Contact: SAM20D - 3 G03 10A Contact: SAM16B - 3 G03 P/N refers to page 19-15
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



^{*} \underline{XX} : Choose the cable length from 01~99m

Receptacle with Wire Harness and Mating Pair

□ Large Size: 1"-20UNS > Receptacle with Wire Harness and Mating Pair

• Female Connector (Housing)		Receptacle with ······ Wire Harness	Overmolded with Cable	Field Installable
• Snap-in with Latch				
			, and a second s	20A Contact: SAM12C - 5 G03 P/N refers to page 19-15
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-RC7B <u>XX</u> * DD- 2 RFFC-RS7B <u>XX</u> *	DD- 2 AMMM-RL7AXX**	
20A (DC)	02 \ 03 \ 04	DC-2 RFFC-RC7A <u>XX</u> * DC-2 RFFC-RS7A <u>XX</u> *	DC- 2 AMMM-RL7AXX**	DC- 2 BMMC-RL7001

^{*} XX: Choose the wire harness length: (10) 10cm; (30) 30cm

□ Large Size: 1"-20UNS > Receptacle with Wire Harness and Mating Pair

Female Connector (Housing)		Receptacle with	Overmolded with Cable	Field Installable
● Snap-in with Latch				
				20A Contact: SAF12C - (5) G03
				P/N refers to page 19-15
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-RC7B <u>XX</u> * DD- 2 RFMC-RS7B <u>XX</u> *	DD- 2 AMFM-RL7AXX**	
20A (DC)	02 \ 03 \ 04	DC-2 RFMC-RC7AXX* DC-2 RFMC-RS7AXX*	DC- 2 AMFM-RL7AXX**	DC- 2 BMFC-RL7001

^{*} XX: Choose the wire harness length: (10) 10cm; (30) 30cm

^{**} \underline{XX} : Choose the cable length from 01~99m

^{**} \overline{XX} : Choose the cable length from 01~99m

□ Large Size: 1"-20UNS >In-Line

• Female Connector (Housing)		Overmolded with Cable>	Overmolded with Cable	Field Installable
● Snap-in with Latch				
				20A Contact: SAM12C - (5) G03 P/N refers to page 19-15
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 AFFM-RL7A <u>XX</u> *	DD- 2 AMMM-RL7A <u>XX</u> *	
20A (DC)	02 \ 03 \ 04	DC-2 AFFM-RL7A <u>XX</u> *	DC- 2 AMMM-RL7A <u>XX</u> *	DC- 2 BMMC-RL7001

^{*} \underline{XX} : Choose the cable length from 01~99m

□ Large Size: 1"-20UNS >In-Line

• Female Connector (Housing)		Overmolded with Cable>	Overmolded with Cable	Field Installable
• Snap-in with Latch				
				20A Contact: SAF12C - (5) G03 P/N refers to page 19-15
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 AFMM-RL7A <u>XX</u> *	DD- 2 AMFM-RL7A <u>XX</u> *	
20A (DC)	02 \ 03 \ 04	DC-2 AFMM-RL7AXX*	DC- 2 AMFM-RL7AXX*	DC- 2BMFC-RL7001

^{*} \underline{XX} : Choose the cable length from 01~99m

□ Large Size: 1"-20UNS >In-Line

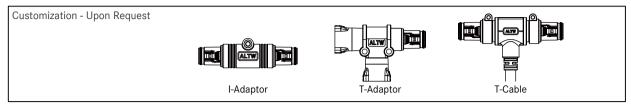
Female Connector (Housing)		Field Installable	Overmolded with Cable	Field Installable
• Snap-in with Latch				
				20A Contact: SAM12C - 5 G03
				P/N refers to page 19-15
Current Rating (Code)	Contacts 2	Female Connector (F) Female Contacts (F)	Male Connector (M) Male Contacts (M)	Male Connector (M) Male Contacts (M)
5A (DD)	10 \ 12 \ 14 \ 18		DD- 2 AMMM-RL7A <u>XX</u> *	
20A (DC)	02 \ 03 \ 04	DC-2 BFFC-RL7001	DC- 2 AMMM-RL7A <u>XX</u> *	DC- 2BMMC-RL7001

^{*} \underline{XX} : Choose the cable length from 01~99m

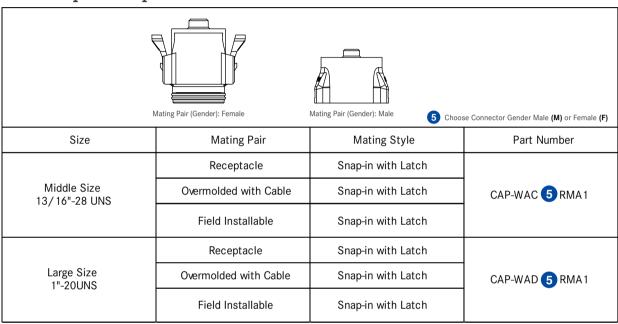
□ Large Size: 1"-20UNS >In-Line

Female Connector (Housing)		Field Installable		Field Installable
● Snap-in with Latch				
				20A Contact: SAF12C - 3 G03 P/N refers to page 19-15
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 BFMC-RL7001	DC- 2 AMFM-RL7A <u>XX</u> *	DC- 2 BMFC-RL7001

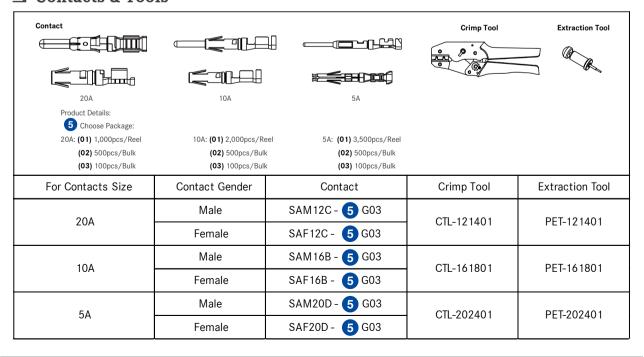
^{*} XX: Choose the cable length from 01~99m



□ Waterproof Cap



□ Contacts & Tools



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