

## Waterproof Battery Modular Connector Sets

### Application Manual



**Part Number: BMCMS14AG; BMCMS22AG & BMCMS38AG**

## (A) Product List:

	Part Number	Wire Size	
		mm <sup>2</sup>	A.W.G
Terminal	BMCMS14AG	14	6
	BMCMS22AG	22	4
	BMCMS38AG	38	2

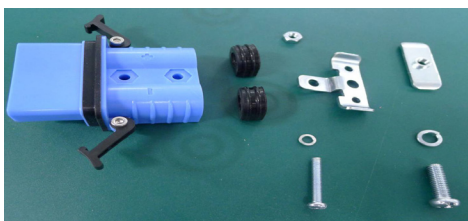
	Item No.	Applicable Terminals	Remark
Modular Kits Pack	BMCWPM2MS-COLOR-14-SET	BMCMS14AG	Male
	BMCWPF2MS-COLOR-14-SET		Female
	BMCWPM2MS-COLOR-22-SET	BMCMS22AG	Male
	BMCWPF2MS-COLOR-22-SET		Female
	BMCWPM2MS-COLOR-38-SET	BMCMS38AG	Male
	BMCWPF2MS-COLOR-38-SET		Female

	Item No.	Colour	Applicable Terminals
Seal Ring	BMCWPD2MS-14-B	Black	BMCMS14AG
	BMCWPD2MS-22-B		BMCMS22AG
	BMCWPD2MS-38-B		BMCMS38AG

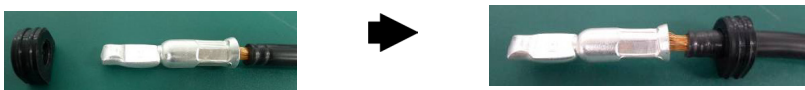
	Colour Code	Colour	Remark
Housing Colour	BL	Blue	For Both Male and Female
	RE	Red	
	OR	Orange	
	BK	Black	

## (B) Installation Steps: Male Connector of BMCWPM2MS-COLOR-X-SET

Check the parts in modular kits pack. As following figure, there should be all parts except terminals.



Insert the crimped terminal through seal ring and stop the seal ring at a position on wire insulator.



Place the terminal into intended cavity of housing.



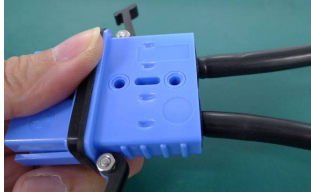
Push the seal ring into intended cavity of housing, notice that the edge of seal ring should be aligned to the bottom of housing.



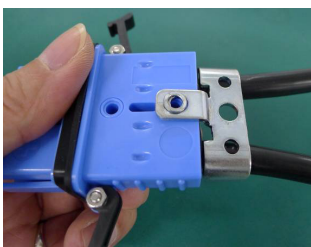
Install the other terminal with the same operations.



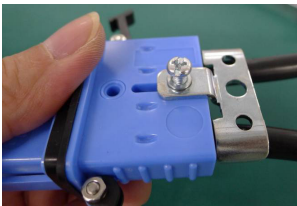
Place the M4 nut on intended screw hole of housing and press the nut with fingers, then turn the housing over for next screwing operation.



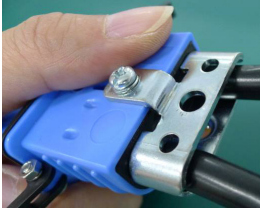
Place 1st fixing sheet on intended position, and put the M4 spring washer on it.



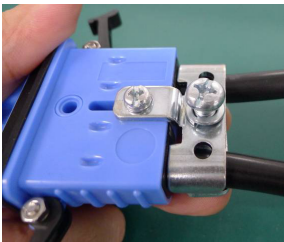
Insert M4 screw through spring washer, fixing sheet and housing, also aim it to the M4 nut on back side and use the screwdriver to fasten it.



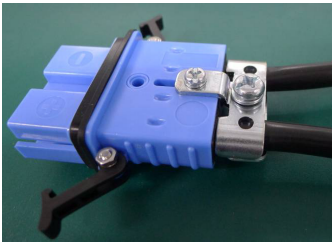
Place the 2nd fixing sheet on the intended position where is opposite to the 1st fixing sheet. Put the M6 spring washer on the middle hole of fixing sheet.



Insert the M6 screw through spring washer and mesh the thread of fixing sheet. Use the screwdriver to fasten it.

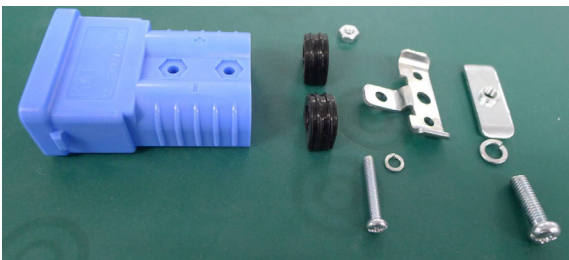


Completed connector will be as shown in following figure.



## (C) Installation Steps: Female connector of BMCWPF2MS-COLOR-X-SET

Check the parts in modular kits pack. As following figure, there should be all parts except terminals.

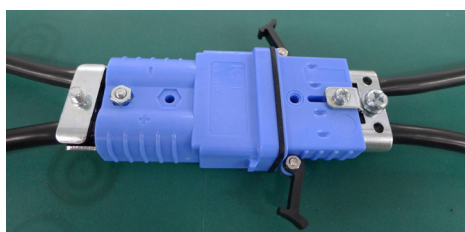
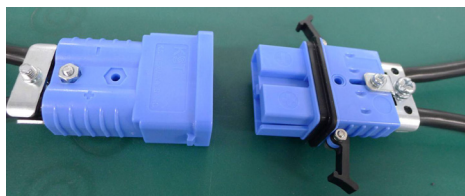


Please refer to the above content about male connector for installation details. Completed connector will be as shown in following figure.

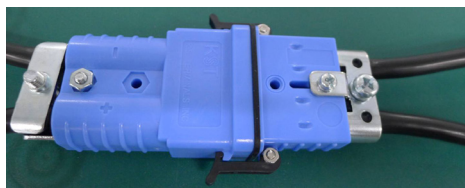


## (D) Installation Steps: Mate the male connector (BMCWPM2MS-COLOR-X-SET) and female connector (BMCWPF2MS-COLOR-X-SET)

Aim the completed male connector to the completed female connector and mate the pair of connectors to intended position as following figures.



Turn the handles of male connector to the position for hooking the female connector, and the installation is finished.



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