



## **A4 Max Series**





**IEC 1500V UL 1500V** 



IEC62852 UL 6703



-40℃~85℃



**UL94-V0** 



**IP 68** 



**UV** Resistance





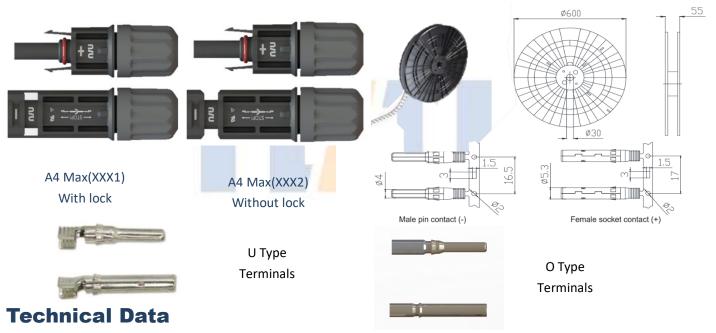






# **Product Overview**

A4 Max Series connectors use high quality weather resistance materials that guavrantee long-term reliability. A4 Max could match 2.5 mm<sup>2</sup> to 16mm<sup>2</sup> cables, it could be wildly used in different applications. The lower contact resistance and higher current transfer capability ensure high product efficiency. A4 Max connectors have IP68 water-proof rating and can be used in a wide operating temperature range from -40 °C to 85 °C.



Rated Voltage	IEC 1500V & UL1500V		
Certification	IEC 62852; UL 6703		
Rated Current	Max 70A		
Ambient Temp	-40℃ up to +85℃		
Contact Resistance	<b>≤</b> 0.25mΩ		
Pollution Degree	Class II		
Protection Degree	Class II		
Fire Resistance	UL94-V0		
Rated Impulse Voltage	16KV		

Remark:The exposure to or direct contact with chemicals or oils of A4 products may cause corrosion, degradation of performance, or cracking of the product, thus such exposure or direct contact should be strictly prohibited during the process of product manufacturing, transportation, installation and application. The chemicals that may come into contact with or be used in the process above.





# **Order Data**

Series Model	Compo	nents	Cable Spec	Rated Current	Rated Voltage	Remark
	<u> </u>	A4-M6-1				
	Housings	A4-F6	OD:4.7mm~6.0mm		1500V	With NEC lock
A4 Max 6111 Termina		A4-MU	14AWG / 2.5mm²	25A for 2.5mm <sup>2</sup>		
	Terminals	A4-FU				
A4 Max 7121  Terminals		A4-M7-1	OD: 5.5mm~6.9mm			
	Housings	A4-F7				
	Terminals	A4-MU	12AWG~10AWG/4mm²~6mm²			
		A4-FU		35A for 4mm <sup>2</sup>		
A4 Max 8121	Housings	A4-M8-1	OD:6.0mm~8.0mm	40A for 6mm <sup>2</sup>		
		A4-F8				
	Terminals	A4-MU	- 12AWG~10AWG/4mm²~6mm²	7		
		A4-FU				
	Housings	A4-M8-1	OD:6.0mm~8.0mm			
A4 Max 9141		A4-F8		50A for 10mm <sup>2</sup>		
A4 Wax 9141	Terminals	A4-MO-10	2			
	Terminais	A4-FO-10	8AWG/10mm <sup>2</sup>			
A4 Max 10151-1	Housings	A4-M8-1	ODIG Owner 9 From			
	Housings	A4-F8	OD:6.0mm~8.5mm			
	Terminals	A4-MO-16	6AWG/16mm <sup>2</sup>			
	Terminais	A4-FO-16	6AWG/16IIIII	70A for 16mm <sup>2</sup>		
A4 Max 10151-2 Termin	Housings	A4-M10-1	OD:8.5mm~9.3mm	Or 6AWG		
	Housings	A4-F10	OD:8.5mm~9.3mm	_		
	Terminals	A4-MO-16	6AWG/16mm <sup>2</sup>			
		A4-FO-16				
Series Model	Compo		Cable Spec	Rated Current	Rated Voltage	Remark
Series Model	Compo			Rated Current	Rated Voltage	Remark
Series Model  A4 Max 6112		nents	Cable Spec	Rated Current	Rated Voltage	Remark
	Compo	nents A4-M6-2	Cable Spec		Rated Voltage	Remark
	<b>Compo</b> Housings	A4-M6-2 A4-F6	Cable Spec OD:4.7mm~6.0mm		Rated Voltage	Remark
	<b>Compo</b> Housings	A4-M6-2 A4-F6 A4-MU	Cable Spec OD:4.7mm~6.0mm		Rated Voltage	Remark
	Compo Housings Terminals	A4-M6-2 A4-F6 A4-MU A4-FU	Cable Spec OD:4.7mm~6.0mm 14AWG / 2.5mm²		Rated Voltage	Remark
A4 Max 6112	Compo Housings Terminals	A4-M6-2 A4-F6 A4-MU A4-FU A4-M7-2	Cable Spec OD:4.7mm~6.0mm 14AWG / 2.5mm²	25A	Rated Voltage	Remark
A4 Max 6112	Compo Housings Terminals Housings	A4-M6-2 A4-F6 A4-MU A4-FU A4-M7-2 A4-F7	Cable Spec OD: 4.7mm~6.0mm  14AWG / 2.5mm <sup>2</sup> OD: 5.5mm~6.9mm		Rated Voltage	Remark  Without NEC lock
A4 Max 6112	Compo Housings Terminals Housings	A4-M6-2 A4-F6 A4-MU A4-FU A4-M7-2 A4-F7 A4-MU	Cable Spec OD: 4.7mm~6.0mm  14AWG / 2.5mm <sup>2</sup> OD: 5.5mm~6.9mm	25A		
A4 Max 6112	Compo Housings Terminals Housings Terminals	A4-M6-2 A4-F6 A4-MU A4-FU A4-F7 A4-MU A4-F7 A4-MU A4-FU A4-F8	Cable Spec  OD: 4.7mm~6.0mm  14AWG / 2.5mm²  OD: 5.5mm~6.9mm  12AWG~10AWG/4mm²~6mm²	25A  25A  35A for 4mm²		
A4 Max 6112  A4 Max 7122	Compo Housings Terminals Housings Terminals	A4-M6-2 A4-F6 A4-MU A4-FU A4-F7 A4-MU A4-F7 A4-MU A4-FU A4-F8 A4-MU	Cable Spec  OD: 4.7mm~6.0mm  14AWG / 2.5mm²  OD: 5.5mm~6.9mm  12AWG~10AWG/4mm²~6mm²	25A  25A  35A for 4mm²		
A4 Max 6112  A4 Max 7122	Compo Housings Terminals Housings Terminals Housings	A4-M6-2 A4-F6 A4-MU A4-FU A4-F7 A4-MU A4-F7 A4-MU A4-FU A4-FU A4-FU A4-FH A4-M8-2 A4-F8 A4-MU A4-FU	Cable Spec  OD: 4.7mm~6.0mm  14AWG / 2.5mm²  OD: 5.5mm~6.9mm  12AWG~10AWG/4mm²~6mm²  OD: 6.0mm~8.0mm	25A  25A  35A for 4mm²		
A4 Max 6112  A4 Max 7122	Compo Housings Terminals Housings Terminals Housings	A4-M6-2 A4-F6 A4-MU A4-FU A4-F7 A4-MU A4-F7 A4-MU A4-FU A4-F8 A4-MU A4-F8 A4-MU A4-FU A4-M8-2	Cable Spec  OD: 4.7mm~6.0mm  14AWG / 2.5mm²  OD: 5.5mm~6.9mm  12AWG~10AWG/4mm²~6mm²  OD: 6.0mm~8.0mm	25A  25A  35A for 4mm²		
A4 Max 6112  A4 Max 7122	Compo Housings Terminals Housings Terminals Housings Terminals	A4-M6-2 A4-F6 A4-MU A4-FU A4-F7 A4-MU A4-F7 A4-MU A4-FU A4-F8 A4-MU A4-F8 A4-MU A4-F8 A4-MU A4-F8 A4-M8-2 A4-F8	Cable Spec  OD: 4.7mm~6.0mm  14AWG / 2.5mm²  OD: 5.5mm~6.9mm  12AWG~10AWG/4mm²~6mm²  OD: 6.0mm~8.0mm  12AWG~10AWG/4mm²~6mm²	25A  25A  35A for 4mm²		
A4 Max 7122  A4 Max 8122	Compo Housings Terminals Housings Terminals Housings Terminals	A4-M6-2 A4-F6 A4-MU A4-FU A4-F7 A4-MU A4-F7 A4-MU A4-FU A4-FU A4-M8-2 A4-F8 A4-MU A4-FU A4-M8-2 A4-F8 A4-MO-10	Cable Spec  OD: 4.7mm~6.0mm  14AWG / 2.5mm²  OD: 5.5mm~6.9mm  12AWG~10AWG/4mm²~6mm²  OD: 6.0mm~8.0mm  12AWG~10AWG/4mm²~6mm²	25A 35A for 4mm² 40A for 6mm²		
A4 Max 7122  A4 Max 8122  A4 Max 9142	Compo Housings Terminals Housings Terminals Housings Terminals Terminals	A4-M6-2 A4-F6 A4-MU A4-FU A4-F7 A4-MU A4-F7 A4-MU A4-FU A4-FU A4-F8 A4-MU A4-FU A4-F8 A4-MU A4-F0 A4-F8 A4-MO-10 A4-FO-10	Cable Spec  OD: 4.7mm~6.0mm  14AWG / 2.5mm²  OD: 5.5mm~6.9mm  12AWG~10AWG/4mm²~6mm²  OD: 6.0mm~8.0mm  12AWG~10AWG/4mm²~6mm²  AMG/10mm²	25A 35A for 4mm² 40A for 6mm²	1500V	Without NEC lock
A4 Max 7122  A4 Max 8122  A4 Max 9142	Compo Housings Terminals Housings Terminals Housings Terminals Terminals	A4-M6-2 A4-F6 A4-MU A4-FU A4-F7 A4-MU A4-F7 A4-MU A4-FU A4-FU A4-M8-2 A4-F8 A4-MU A4-FU A4-M8-2 A4-F8 A4-MO-10	Cable Spec  OD:4.7mm~6.0mm  14AWG / 2.5mm²  OD: 5.5mm~6.9mm  12AWG~10AWG/4mm²~6mm²  OD:6.0mm~8.0mm  12AWG~10AWG/4mm²~6mm²	25A 35A for 4mm² 40A for 6mm²		Without NEC lock
A4 Max 7122  A4 Max 8122  A4 Max 9142	Compo Housings Terminals Housings Terminals Housings Terminals Terminals	A4-M6-2 A4-F6 A4-MU A4-FU A4-F7 A4-MU A4-F7 A4-MU A4-FU A4-FU A4-F8 A4-MU A4-FU A4-F8 A4-MU A4-F0 A4-F8 A4-MO-10 A4-FO-10	Cable Spec  OD: 4.7mm~6.0mm  14AWG / 2.5mm²  OD: 5.5mm~6.9mm  12AWG~10AWG/4mm²~6mm²  OD: 6.0mm~8.0mm  12AWG~10AWG/4mm²~6mm²  AMG/10mm²	25A 35A for 4mm² 40A for 6mm²	1500V Pack	Without NEC lock
A4 Max 6112  A4 Max 7122  A4 Max 8122  A4 Max 9142  Na Female C	Compo Housings Terminals Housings Terminals Housings Terminals Terminals	A4-M6-2 A4-F6 A4-MU A4-FU A4-F7 A4-MU A4-F7 A4-MU A4-FU A4-F8 A4-MU A4-F8 A4-MU A4-F8 A4-MO-10 A4-F0-10 IP Spec	Cable Spec  OD: 4.7mm~6.0mm  14AWG / 2.5mm²  OD: 5.5mm~6.9mm  12AWG~10AWG/4mm²~6mm²  OD: 6.0mm~8.0mm  12AWG~10AWG/4mm²~6mm²  AMG/10mm²	25A 35A for 4mm² 40A for 6mm²	1500V	Without NEC lock
A4 Max 6112  A4 Max 7122  A4 Max 8122  A4 Max 9142  Na Female C water pi	Compo Housings  Terminals  Housings  Terminals  Housings  Terminals  Housings  Terminals  Connector	A4-M6-2 A4-F6 A4-MU A4-FU A4-F7 A4-MU A4-F7 A4-MU A4-FU A4-F8 A4-MU A4-F8 A4-MU A4-F8 A4-MO-10 A4-F0-10 IP Spec	Cable Spec  OD: 4.7mm~6.0mm  14AWG / 2.5mm²  OD: 5.5mm~6.9mm  12AWG~10AWG/4mm²~6mm²  OD: 6.0mm~8.0mm  12AWG~10AWG/4mm²~6mm²  AMG/10mm²	25A 35A for 4mm² 40A for 6mm²	1500V Pack	Without NEC lock
A4 Max 6112  A4 Max 7122  A4 Max 8122  A4 Max 9142  Na Female Cowater promise Company	Compo Housings Terminals Housings Terminals Housings Terminals Housings Terminals Connector	A4-M6-2 A4-F6 A4-MU A4-FU A4-F7 A4-MU A4-F7 A4-MU A4-FU A4-F8 A4-MU A4-F8 A4-MU A4-F8 A4-MO-10 A4-F0-10 IP Spec	Cable Spec  OD: 4.7mm~6.0mm  14AWG / 2.5mm²  OD: 5.5mm~6.9mm  12AWG~10AWG/4mm²~6mm²  OD: 6.0mm~8.0mm  12AWG~10AWG/4mm²~6mm²  AMG/10mm²	25A 35A for 4mm² 40A for 6mm²	1500V Pack	Without NEC lock

 $\textbf{Remark: Customized\ options\ available, for more\ information\ Please\ contact\ Helios\ Power\ Team\ .}$ 

