

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 guarantee long-term reliability. A4 Max could match 2.5 mm² to 16mm² cables, it could be widely 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.

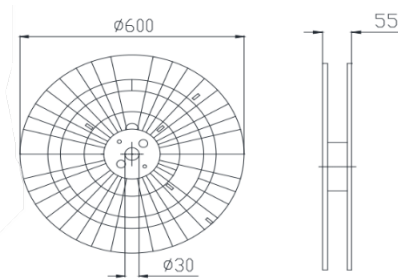


A4 Max(XXX1)
With lock

A4 Max(XXX2)
Without lock



Male pin contact (-)



Female socket contact (+)



U Type
Terminals



O Type
Terminals




Technical Data

Rated Voltage	IEC 1500V & UL1500V
Certification	IEC 62852; UL 6703
Rated Current	Max 70A
Ambient Temp	-40℃ up to +85℃
Contact Resistance	≤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

Part NO	Series Model	Components		Cable Spec	Rated Current	Rated Voltage	Remark
A4C011	A4 Max 6111	Housings	A4-M6-1	OD:4.7mm~6.0mm	25A for 2.5mm²	1500V	With NEC lock
			A4-F6				
		Terminals	A4-MU	14AWG / 2.5mm²			
			A4-FU				
A4C012	A4 Max 7121	Housings	A4-M7-1	OD: 5.5mm~6.9mm	35A for 4mm²		
			A4-F7				
		Terminals	A4-MU	12AWG~10AWG/4mm²~6mm²			
			A4-FU				
A4C013	A4 Max 8121	Housings	A4-M8-1	OD:6.0mm~8.0mm	40A for 6mm²		
			A4-F8				
		Terminals	A4-MU	12AWG~10AWG/4mm²~6mm²			
			A4-FU				
A4C015	A4 Max 9141	Housings	A4-M8-1	OD:6.0mm~8.0mm	50A for 10mm²		
			A4-F8				
		Terminals	A4-MO-10	8AWG/10mm²			
			A4-FO-10				
A4C016	A4 Max 10151	Housings	A4-M10-1	OD:7.0mm~9.0mm	70A for 16mm²		
			A4-F10				
		Terminals	A4-MO-16	6AWG/16mm²			
			A4-FO-16				
Part NO	Series Model	Components		Cable Spec	Rated Current	Rated Voltage	Remark
A4C021	A4 Max 6112	Housings	A4-M6-2	OD:4.7mm~6.0mm	25A	1500V	Without NEC lock
			A4-F6				
		Terminals	A4-MU	14AWG / 2.5mm²			
			A4-FU				
A4C022	A4 Max 7122	Housings	A4-M7-2	OD: 5.5mm~6.9mm	35A for 4mm²		
			A4-F7				
		Terminals	A4-MU	12AWG~10AWG/4mm²~6mm²			
			A4-FU				
A4C023	A4 Max 8122	Housings	A4-M8-2	OD:6.0mm~8.0mm	40A for 6mm²		
			A4-F8				
		Terminals	A4-MU	12AWG~10AWG/4mm²~6mm²			
			A4-FU				
A4C025	A4 Max 9142	Housings	A4-M8-2	OD:6.0mm~8.0mm	50A for 10mm²		
			A4-F8				
		Terminals	A4-MO-10	8AWG/10mm²			
			A4-FO-10				
A4C026	A4 Max 10152	Housings	A4-M10-2	OD:7.0mm~9.0mm	70A for 16mm²		
			A4-F10				
		Terminals	A4-MO-16	6AWG/16mm²			
			A4-FO-16				
Part NO	Name	IP Spec	PIC		Package		
A4C031	Female Connector water proof Plug	IP65			500pcs/bag		
A4C032	Male Connector water proof Plug	IP65			500pcs/bag		
A4C033	Female Connector dust proof Plug	IP50			500pcs/bag		
A4C034	Male Connector dust proof Plug	IP50			500pcs/bag		

Remark: Customized options available, for more information, please contact NIU Power team: Marketing@niu-power.com.

