



AC 500V



Max 50A



-40℃~85℃



UL94-V0



IP 68

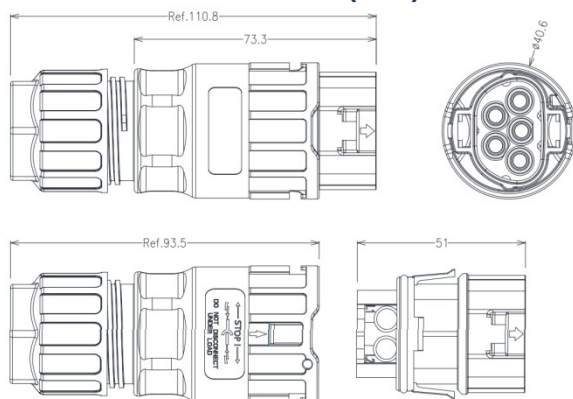


UV Resistance

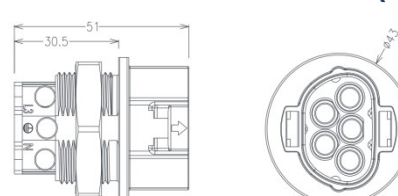
Product Overview:

A5-5P(50A) series are widely used in string inverters. The products use high quality weather resistance materials that guarantee long-term reliability. The connectors could use 2.5 mm² to 6mm² cables. The lower contact resistance and higher current transfer capability ensure high product efficiency. IP68 water-proof rating and wide operating temperature range from -40 °C to 85 °C.

Cable Connector:A5-5PC(F/M)



Panel Connector:A5-5PP(F/M)



Crimping Terminals

Screw Terminals

Technical Data:

Rated Voltage	AC 500V
Terminals	5Pin:PE+4P
Certified & Qualified	TUV
Rated Current	25A for 3*2.5mm ² cables 40A for 3*4.0mm ² cables 50A for 3*6.0mm ² cables
Ambient Temp	-40℃ up to + 85℃
Contact Resistance	≤1mΩ
Waterproof IP	IP68
Voltage Test	4000V
Protection Degree	Class II
Fire Resistance	UL94-V0
Material	PPO/ Copper Alloy/PA

Remark:The harness could match 5*2.5mm² to 5*6mm² cables, they could be widely used in different applications. The harness series connectors have IP68 water-proof rating and can be used in a wide operating temperature range from -40 °C to 85 °C. Customized options available, for more information, please contact NIU Power sales team: Marketing@niu-power.com



Order Data:

Part NO	Connector Type	Conduct Terminals		Cable OD Range	Package
A55101	A5-5PCF Female Connector for cable	Crimping terminals for 5*2.5mm ² ~ 5*6.0mm ² cable		13±1mm	10pcs/bag
A55102				15±1mm	10pcs/bag
A55103				17±1mm	10pcs/bag
A55104		Screw terminals for 5*2.5mm ² ~ 5*6.0mm ² cable		13±1mm	10pcs/bag
A55105				15±1mm	10pcs/bag
A55106				17±1mm	10pcs/bag
A55111	A5-5PCM Male Connector for cable	Crimping terminals for 5*2.5mm ² ~ 5*6.0mm ² cable		13±1mm	10pcs/bag
A55112				15±1mm	10pcs/bag
A55113				17±1mm	10pcs/bag
A55114		Screw terminals for 5*2.5mm ² ~ 5*6.0mm ² cable		13±1mm	10pcs/bag
A55115				15±1mm	10pcs/bag
A55116				17±1mm	10pcs/bag
A55121	A5-5PPF Female Connector for Panel	Crimping terminals for 5*2.5mm ² ~ 5*6.0mm ² cable		-	10pcs/bag
A55122				-	10pcs/bag
A55123				-	10pcs/bag
A55124		Screw terminals for 5*2.5mm ² ~ 5*6.0mm ² cable		-	10pcs/bag
A55125				-	10pcs/bag
A55126				-	10pcs/bag
A55131	A5-5PPM Male Connector for Panel	Crimping terminals for 5*2.5mm ² ~ 5*6.0mm ² cable		-	10pcs/bag
A55132				-	10pcs/bag
A55133				-	10pcs/bag
A55134		Screw terminals for 5*2.5mm ² ~ 5*6.0mm ² cable		-	10pcs/bag
A55135				-	10pcs/bag
A55136				-	10pcs/bag
Part NO	Name	IP	Material	PIC	Package
A55401	Female Connector water proof Plug	IP68	PPO+Rubber		10pcs/bag
A55402	Male Connector water proof Plug	IP68	PPO		10pcs/bag
A55403	Female Connector dust proof Plug	IP51	TPE		10pcs/bag
A55404	Male Connector dust proof Plug	IP51	TPE		10pcs/bag

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