

光伏4.0面板1500VDC连接器

PV4.0 1500VDC Panel Connector

产品规格

Product Specifications

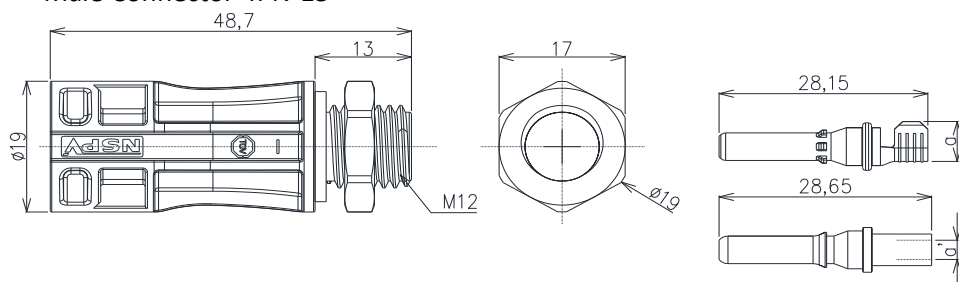
绝缘材料 Insulation material	PPE/PC/PA	安全等级 Safety degree	II
额定电流 Rated current	See Table	阻燃等级 Flame class	UL94-V0
额定电压 Rated voltage	1500VDC	环境温度范围 Ambient temperature range	-40℃...+85℃(IEC)
测试电压 Test voltage	8kV(50Hz,1min)	适配电线规格 Suitable cable cross sections	2.5~16mm ² /14~6AWG (4~7.0mm)
连接器接触电阻 Contact resistance	≤0.25mΩ	连接方式 Connecting system	压接 Crimp connection
金属导体材料 Contact material	铜,镀锡 Copper,Tin plated	螺帽锁紧力 Nut cap locking force	1.2-1.5Nm
保护等级 Degree of protection	IP68(1m,1H)	温度上限 Upper limiting temperature	110℃(IEC)
过压等级 Overvoltage category/Pollution degree	CATIII/2	额定脉冲电压 Rated Impulse voltage	16kV

图示:

Drawing:

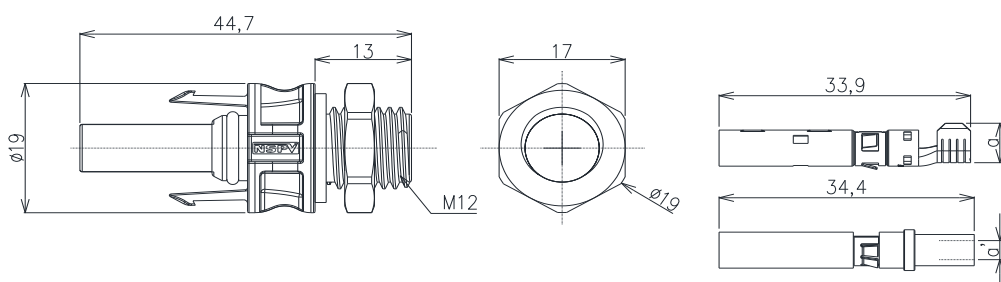
公连接器

Male Connector 4PN-15



母连接器

Female Connector 4PP-15



TUV Approved by 2.5-10mm²

连接器含冲压端子Connector with stamp pins

公端Male	母端Female	a (mm)	适配电线规格 Cable Size		电流Current
4PN25S	4PP25S	4.05	1.5/2.5mm ²	16/14AWG	35A
4PN40S	4PP40S	5.8	4.0/6.0mm ²	12/10AWG	45A
4PN60S	4PP60S				55A
4PN100S	4PP100S	7.9	10.0mm ²	8AWG	60A

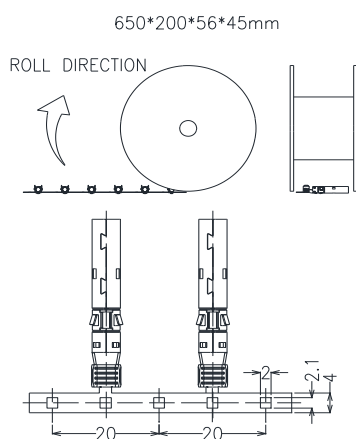
连接器含车销端子Connector with lathing pins

公端Male	母端Female	a (mm)	适配电线规格 Cable Size		电流Current
4PN25L	4PP25L	2.1	2.5mm ²	14AWG	35A
4PN40L	4PP40L	2.8	4.0mm ²	12AWG	45A
4PN60L	4PP60L	3.4	6.0mm ²	10AWG	55A
4PN100L	4PP100L	4.5	10.0mm ²	8AWG	60A
4PN160L	4PP160L	5.6	16.0mm ²	6AWG	75A

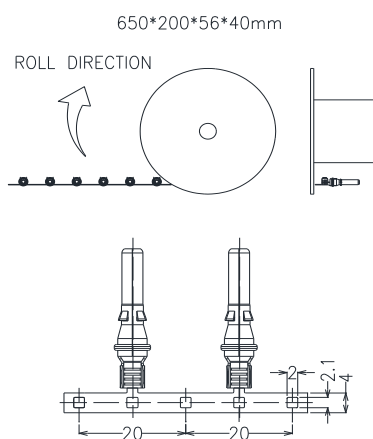
只是端子料号Terminal part number only:

公端子 Male terminal	母端子 Female terminal	规格 Secificate	
料号 Part No.	料号 Part No.	端子样式 Terminal type	电线规格 Cable Size
4CNTS2501-01	4CPTS2501-01	冲压件端子 Stamping pin	1.5-2.5mm ² /16-14AWG
4CNTS4001-01	4CPTS4001-01		4.0-6.0mm ² /12-10AWG
4CNTS1001-01	4CPTS1001-01		10.0mm ² /8AWG
4CNTL2501-01	4CPTL2501-01	车件端子 Lathing pin	2.5mm ² /14AWG
4CNTL4001-01	4CPTL4001-01		4.0mm ² /12AWG
4CNTL6001-01	4CPTL6001-01		6.0mm ² /10AWG
4CNLA101-01	4CPLA101-01		10.0mm ² /8AWG
4CNLA161-01	4CPLA161-01		16.0mm ² /6AWG

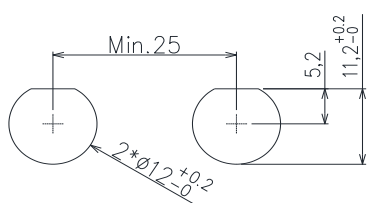
冲压母端子Stamping male pin



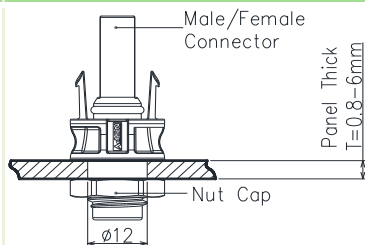
冲压公端子Stamping female pin



面板孔位尺寸Panel Hole Size



面板尺寸Panel size



解锁工具Wrench tool

