



## PV Connector

JDA-C4/4-1.5K PV Cable Connector for PV System

JDA-C6 PV Box Connector for PV System



JDA-C4	JDA-C6	JDA-C4-1.5K
Permissible temperature range 允許的溫度範圍	-40°C...+85°C	
Protection degrees (mated/unmated) 防護等級	IP 68	
Rated current according to TÜV TUV額定電流	35A	
Rated voltage 額定電壓	TUV 1,100/1,100/1,500 V DC (IEC62852) ; UL 1,000 V DC (UL6703:2014 R12.17)	
Protection class 防護等級	II	
Construction type 構造型式	unipolar, not reusable, free connector	
Tightening torque 鎖緊扭力	1.5+/-0.2 Nm ( JDA-C4&4-1.5K ) 1.1+/-0.2Nm (JDA-C6)	
Connentable cables 連接電纜	Cable according to standard TUV EN50618:2014 flexible lines, strand tinned	
Cable cross section 電纜內徑	2.5 mm <sup>2</sup> , 4 mm <sup>2</sup> , 6 mm <sup>2</sup>	
Cable exterior diameter 電纜外徑	5.5...7.8 mm	



Order data

JDA-C4/4-1.5K

PV Cable Connector for PV System

Female Socket Housing	Type	Pack Unit	Order No.
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**JDA-C4/C4-1.5K(+)**

Plastic Housing for Female Contact 正極線端連接器	100 pc	<b>FSH 2-1-11114</b>
		<b>FSH 2-25124</b>
		<b>C4-1.5K(+)</b>



<b>Socket Female Contact</b> 母端子	100 pc (Bag)	<b>SFC 2-87220260</b>
	1500 pc (Roll)	

Male Pin Housing	Type	Pack Unit	Order No.
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**JDA-C4/C4-1.5K(-)**

Plastic Housing for Male Contact 負極線端連接器	100 pc	<b>MPH 2-1-11114</b>
		<b>MPH 2-25124</b>
		<b>C4-1.5K(-)</b>



<b>Pin Male Contact</b> 公端子	100 pc (Bag)	<b>PMC 2-87220260</b>
	1500 pc (Roll)	

Accessories	Type	Pack Unit	Order No.
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<b>Sealing Cap</b> Universal Version for Female Housing and Male Housing 正/負極防塵塞	100 pc (Bag)	<b>JDA-000MC (Male)</b>
		<b>JDA-000FC (Female)</b>

JDA-C6

PV Box Connector for PV System

Female Socket Housing	Type	Pack Unit	Order No.
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**JDA-C6/C6-1.5K(+)**

Plastic Housing for Female Contact 正極板端連接器	100 pc	<b>FSH 2-30116-1.5K(+)</b>
		<b>C6-1.5K(+)</b>



<b>Socket Female Contact</b> 母端子	100 pc (Bag)	<b>SFC 2-87220260</b>
	1500 pc (Roll)	

Male Pin Housing	Type	Pack Unit	Order No.
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**JDA-C6/C6-1.5K(-)**

Plastic Housing for Male Contact 負極板端連接器	100 pc	<b>PHMC 2-20116-1.5K(-)</b>
		<b>C6-1.5K(-)</b>



<b>Pin Male Contact</b> 公端子	100 pc (Bag)	<b>PMC 2-87220260</b>
	1500 pc (Roll)	



## PV Connector systems for PV Module

Type number	JDA-C4-F & JDA-C4-M		JDA-C4-1.5K-F JDA-C4-1.5K-M	JDA-C6-1.5K-25 JDA-C6-1.5K-40 JDA-C6-1.5K-60
Feature	MC4 Compatible & MC4		MC4 Compatible	MC4 Compatible
Size, mm	Female	62.0 x 19.5	44.5 x 24.5-M16	49.5 x 19.5-M12
	Male, Negative	64.5 x 19.5	46.0 x 24.5-M16	51.0 x 19.5-M12
Conformity standards	UL 6703	US 72201731 01	US 72201731 01	US 72201731 01
	EN 62852:2015	R 50465271	R 50465271	R 50465271
	Others	ICE61215, ICE61646, ICE61730	ICE61215, ICE61646, ICE61730	
Rated voltages	DC 1100V(TUV), DC 1000V(UL)		DC 1500V(TUV), DC 1000V(UL)	
Rated currents	25A for 2.5 & 4.0mm <sup>2</sup>	35A for 6mm <sup>2</sup>	35A	35A For 6.0mm <sup>2</sup> Wire size range (10 AWG)
				35A For 4.0mm <sup>2</sup> Wire size range (12 AWG)
				35A For 2.5mm <sup>2</sup> Wire size range (14 AWG)
Contact resistance(contacted)	0.3mΩ(Initial)	0.3mΩ(Initial)	≤0.3mΩ(Initial)	≤0.3mΩ(Initial)
Wire size range(mm <sup>2</sup> )	2.5, 4	4,6	2.5, 4.0 and 6.0	2.5, 4.0 and 6.0
Protection degree	IP68(1m, 24hours)	IP68(1m, 24hours)	IP68	IP68
Rated impulse voltage	8kV	8kV	8kV	8kV
Upper limiting Temperature	125°C	125°C	100°C	100°C
Overvoltage Category	III		III	III
Flammability class	UL94-5V/V0		UL94-5V/V0	UL94-5V/V0
Material	Insulation	PPO/PA66	PPO/PA66	PPO/PA66
	Contact	Tin plated copper alloy	Tin plated copper alloy	Tin plated copper alloy
Petaining force of locking	Connect-connect	≥ 20kgf	≥ 20kgf	≥ 20kgf
	Connect-cable	≥ 20kgf	≥ 20kgf	≥ 20kgf
Connector contact systems	MC4 compatibility systems		MC4 compatibility systems	MC4 compatibility systems
Ambient temperature	-40~85°C		-40~85°C	-40~85°C
Note	Do not disconnect under load		Do not disconnect under load	Do not disconnect under load



## Product Catalog



**JDA-C4**  
太陽能連接器



**JDA-C6**  
電箱外接連接器



**JDA-C8**  
(一對二 / 三通)



**OPEN TOOL**  
連接器開啟工具



**PV CABLE**  
太陽能專用線



**CABLE + CONNECTOR**  
客制帶線連接器 (客製線長)





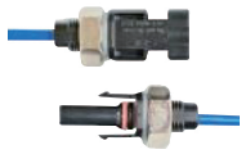






**JDA-C4, 6** 連接器金屬端子零售



Connector 與他牌之相容性對照表

相容：○ 不相容：×

Type	MC	Yukita	SMK	SMK	SMK
	MC 4	YS-254 / 255	PV-03	PV-02	Panel Connector
					
公 <=> 母	○	○	○	○	○
母 <=> 公	○	○	○	○	○

Type	Hosiden	Weidmuller	Amphenol	Tyco	Kitani
	HSC2009 / 2010	WM-4	H4 Solar Connector	Solar Connector	KTN-PVCIP-FA
					
公 <=> 母	○	○	○	×	×
母 <=> 公	○	○	○	×	×

## The simulation of 3D temperature distribution

