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Solar Connectors

- | | | |
|----------------------|----------------------|----------------------|
| ○ WSPVCC | ○ WSPVCC-1500 | ○ WSPVPC |
| ○ WSPVT ₂ | ○ WSPVT ₃ | ○ WSPVT ₄ |
| ○ WSPVY ₂ | ○ WSPVY ₃ | ○ WSPVY ₄ |
| ○ WSPVDC | ○ WSPVFC | |



WSPVCC TYPE 1



WSPVCC TYPE 2



WSPVCC TYPE 3



Note: Solid pins are also available.

Application

- Simple on-site processing.
- Accommodates PV cable with different insulation diameters.
- Mating safety provided by keyed housings.
- Multiple plugging and unplugging cycles.
- High current carrying capacity.

Technical Parameters

Order NO.	Part P/N		Cable special	
	Connector	Terminal	Conductor size(mm ²)	Cable OD(φDmm)
WSPVCC-1	WSPVCC-M	WSPVCC-T1	AWG14(2.5 mm ²)	φ4.5-φ8.5
WSPVCC-2		WSPVCC-T2	AWG12(4.0 mm ²)	
WSPVCC-3		WSPVCC-T3	AWG10(6.0 mm ²)	
WSPVCC-4	WSPVCC-F	WSPVCC-T4	AWG14(2.5 mm ²)	φ4.5-φ8.5
WSPVCC-5		WSPVCC-T5	AWG12(4.0 mm ²)	
WSPVCC-6		WSPVCC-T6	AWG10(6.0 mm ²)	

Technical Parameters

Rated Current	30A(45A if with solid pins)
Rated Voltage	1000V DC
Test Voltage	6000V(50Hz, 1min)
Overvoltage Type/Pollution Degree	CAT III /2
Contact Resistance Of Plug Connector	1mΩ
Contact Material	Copper, Tin-plated
Insulation Material	PPO/PC
Degree Of Protection	IP2X/IP67
Flame Class	UL94-VO
Safety Class	II
Suitable Cable	OD 4.5-8.5(2.5-6.0mm ²)
Insertion Force/Withdrawal Force	≤ 50N/ ≥ 50N
Connecting System	Crimp connection
Temperature Range	-40°C ~ +125°C

WSPVCC-1500

MC4 connector



Note: Solid pins are also available.



Structural Characteristics

- Simple on-site processing.
- Accommodates PV cable with different insulation diameters.
- Mating safety provided by keyed housings.
- Multiple plugging and unplugging cycles.
- High current carrying capacity.

Specifications

Order NO.	Part P/N		Cable special	
	Connector	Terminal	Conductor size mm ²	Cable OD (Dmm)
WSPVCC-1	WSPVCC-M	WSPVCC-T1	AWG 14(2.5 mm ²)	φ4.5-φ8.5
WSPVCC-2		WSPVCC-T2	AWG 12(4.0 mm ²)	
WSPVCC-3		WSPVCC-T3	AWG 10(6.0 mm ²)	
WSPVCC-4	WSPVCC-F	WSPVCC-T4	AWG 14(2.5 mm ²)	φ4.5-φ8.5
WSPVCC-5		WSPVCC-T5	AWG 12(4.0 mm ²)	
WSPVCC-6		WSPVCC-T6	AWG 10(6.0 mm ²)	

Technical Parameter

Rated current	30A(45A if with solid pins)
Rated voltage	1500v DC
Test voltage	6000V(50Hz,1min)
Overvoltage type/pollution degree	CAT III/2
Contact resistance of plug connector	1 mΩ
Contact material	Copper, Tin-plated
Insulation material	PPO/PC
Degree of protection	IP2X/IP67
Flame class	UL94-VO
Safety class	II
Suitable cable	OD 4.5-8.5(2.5-6.0 mm ²)
Insertion force/withdrawal force	≤50N/≥50N
Connecting system	Crimp connection
Temperature range	-40°C ~+125°C



Note: Solid pins are also available.

Application

- Simple on-site processing.
- Accommodates PV cable with different insulation diameters.
- Mating safety provided by keyed housings.
- Multiple plugging and unplugging cycles.
- High current carrying capacity.
- TUV and UL approved.

Technical Parameters

Order NO.	Part P/N		Cable special	
	Connector	Terminal	Conductor size(mm ²)	Cable OD(φDmm)
WSPVPC-1	WSPVPC-M	WSPVPC-T1	AWG14(2.5 mm ²)	φ4.5-φ8.5
WSPVPC-2		WSPVPC-T2	AWG12(4.0 mm ²)	
WSPVPC-3		WSPVPC-T3	AWG10(6.0 mm ²)	
WSPVPC-4	WSPVPC-F	WSPVPC-T4	AWG14(2.5 mm ²)	φ4.5-φ8.5
WSPVPC-5		WSPVPC-T5	AWG12(4.0 mm ²)	
WSPVPC-6		WSPVPC-T6	AWG10(6.0 mm ²)	

Technical Parameters

Rated Current	30A(45A if with solid pins)
Rated Voltage	1000V DC
Test Voltage	6000V(50Hz, 1 min)
Overvoltage Type/Pollution Degree	CAT III /2
Contact Resistance Of Plug Connector	1mΩ
Contact Material	Copper, Tin-plated
Insulation Material	PPO/PC
Degree Of Protection	IP2X/IP67
Flame Class	UL94-V0
Safety Class	II
Suitable Cable	OD 4.5-8.5(2.5-6.0mm ²)
Insertion Force/Withdrawal Force	≤ 50N/ ≥ 50N
Connecting System	Crimp connection
Temperature Range	-40°C ~ +125°C