

4CN/4CP



It is applied to the interconnection among various components of the photovoltaic system, such as combiner boxes, controllers, inverters, etc.

Reliable performance



IP68



UV-resistant



$\leq 0.25\text{m}\Omega$



$-40^{\circ}\text{C}\sim 85^{\circ}\text{C}$



Self-locking mechanism



UL94-V0



Strong compatibility



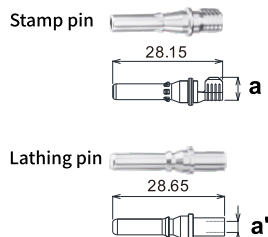
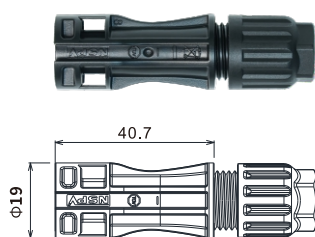
PPE/PA

Product parameters

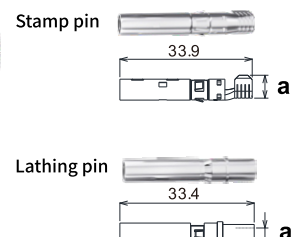
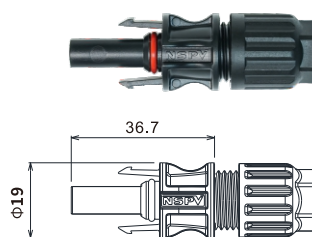
Insulation material	PPE/PA	Safety degree	II
Rated voltage	1500VDC	Flame class	UL94-V0
Rated Impulse voltage	16KV	Installation type	Outdoor, UV resistant(F1)
Test voltage	8kV(50Hz, 1min)	Ambient temperature range	$-40^{\circ}\text{C}\dots +85^{\circ}\text{C}$ (IEC)
Contact resistance	$\leq 0.25\text{ m}\Omega$	Suitable cable cross sections	1.5~16mm ² /16~6AWG
Contact material	Copper, Tin plated	Connecting system	Crimp connection
Degree of protection	IP68(1m, 1H)	Nut cap locking force	1.5-1.8Nm
Overvoltage category Pollution degree	CAT III/2	Upper limiting temperature	110°C(IEC)
Regulatory approval	TUV/CE(IEC62852:2014)		

Product size

Male Connector 4CN-15

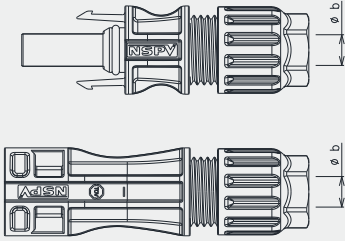


Female Connector 4CP-15



Female	Male	Current	Terminal hole value		Cable Size	Certificate
Part No.		Amps	a	a'		
4CP25	4CN25	35	4.05	Ø2.1	1.5/2.5mm ² / 16/14AWG	TUV
4CP40	4CN40	35	5.8	Ø2.8	4.0/6.0mm ² &10/12AWG	TUV
4CP60	4CN60	35	5.8	Ø3.4	4.0/6.0mm ² &10/12AWG	TUV
4CP100	4CN100	60	7.9	Ø 4.5	10.0mm ² & 8AWG	TUV
4CP160	4CN160	60	--	Ø 5.6	16.0mm ² & 6AWG	--

■ Suitable cable cross sections

	Seal Grommet "b" (mm)	Cable O.D. (mm)	Cable Size(mm ²)
	6.6	5.0-6.6	2.5, 4.0, 6.0
	7.2	6.7-7.2	6.0, 10.0
	8.2	7.3-8.2	10.0
	9.5	8.3-9.5	10.0-16 *

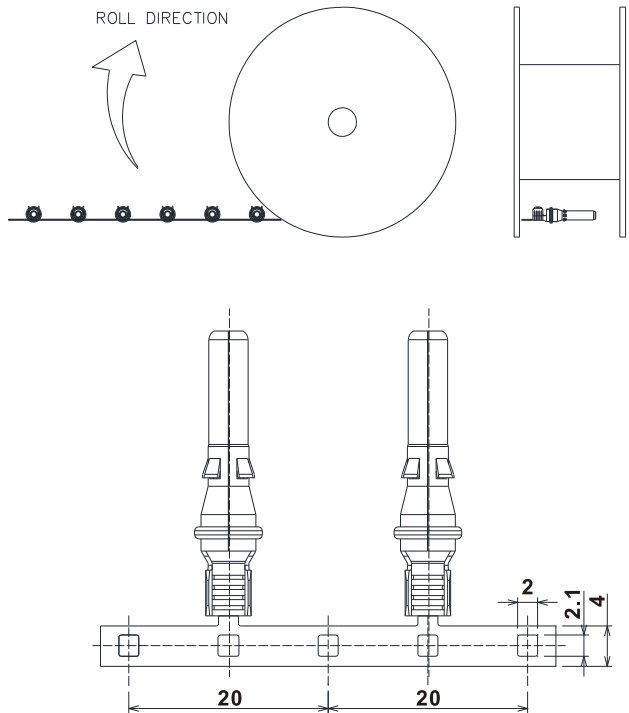
Suitable for special cables.

■ Terminal part number

Female terminal	Female terminal	Secificate	
Part No.	Part No.	Terminal type	Cable Size
4CNTS2501-01	4CPTS2501-01	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	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

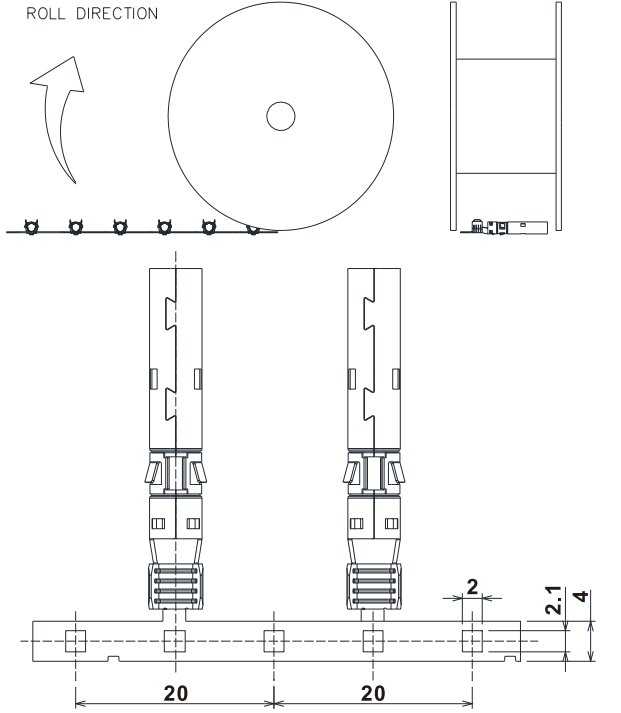
Stamping male pin

650×200×40mm



Stamping female pin

650×200×45mm



■ Installation tool

Wrench tool	Crimp Tool	Wire Stripper
		

■ Packaging information

料号	Quantity per bag		Quantity per box		Weight per box
	Connector	Terminal	Connector	Terminal	
4CN+4CNTS2501-01	200	200	200×8	200×8	10.7KG
4CP+4CPTS2501-01					10.7KG
4CN+4CNTS4001-01					10.7KG
4CP+4CPTS4001-01					10.7KG
4CN+4CNTS1001-01					10.7KG
4CP+4CPTS1001-01					10.7KG
4CN+4CNTL2501-01					10.7KG
4CP+4CPTL2501-01					10.7KG
4CN+4CNTL4001-01					10.7KG
4CP+4CPTL4001-01					10.7KG
4CN+4CNTL6001-01					10.7KG
4CP+4CPTL6001-01					10.7KG
4CN+4CNLA101-01					10.7KG
4CP+4CPLA101-01					10.7KG

Carton size	Pallet size	
 Product Name: PV4.0標準電線接器4C2500-001 Part No: 230501022 Q'Ty: 1600 PCS Date: The outer box label is affixed to the label frame on this side	 Air transport Pallet size: 1*1.2*1.55M; 8 cases per layer *4 layers totaling 32 cases	 Maritime transport Pallet size: 1*1.2*1.9M; 8 cases per layer *5 layers totaling 40 cases

■ Product selection

Type	Cable Cross Section	Cable OD	Terminals Package	Terminal style	Variations
Solar Cable Connector	☐ 2.5mm ² (14Awg)	☐ F1: 4.7~6.0mm	☐ Stamp pin	☐ R: Roll	☐ _____
	☐ 4-6mm ² (12-10Awg)	☐ F2: 5.6~6.9mm	☐ Lathing pin	☐ P: Bulk	_____
	☐ 10mm ² (8Awg)	☐ F6: 6.9~8.5mm	☐ _____	☐ _____	
	☐ 16mm ² (6Awg)	☐ _____			
	☐ _____				

***Customization is available upon request. For more information, please contact us.**

■ Packaging information

TUVCertificate

ETL Certificate

ZERTIFIKAT ♦ CERTIFICATE ♦ ЗЕРТИФІКАТ ♦ СЕРТИФИКАТ ♦ CERTIFICADO ♦ CERTIFICATO ♦	
	
CERTIFICATE No. B 099241 0004 Rev. 01	
Holder of Certificate: Newsun PV Technology Co.,Ltd Jia, 168 Building, Henggangtuo Industrial Zone Xietan Community, Changhe East Street 523883 Dongguan City, Guangdong Province PEOPLE'S REPUBLIC OF CHINA	
Certification Mark:	
Product:	Connector (Connectors for Photovoltaic System)
The product was tested on a voluntary basis and complies with the essential requirements. The certification mark shown above can be affixed on the product. It is not permitted to alter the certification mark in any way. In addition, the certification holder must not transfer the certificate to third parties. This certificate is valid until the listed date, unless it is cancelled earlier. All applicable requirements of the testing and certification regulations of TUV SUD Group have to be complied. For details see: www.tuvnord.com/pjs-cert	
Test report no.:	642901800941002
Valid until:	2028-08-22
Date,	2023-08-23  (Billy Qiu)
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Product Service

CERTIFICATE
No. B 099241 0004 Rev. 01

Model(s): 4CN, 4CP, 4PN, 4PP, 4BN, 4BP

Parameters:

1500 V d.c.

Rated Voltage:
Rated Current:

30 (for 4CN, 4CP, 4PN, 4PP with 1 x 2.5 mm² cable);
45 (for 4CN, 4CP, 4PN, 4PP with 1 x 4.0 mm² cable);
50 (for 4CN, 4CP, 4PN, 4PP with 1 x 6.0 mm² cable);
50 (for 4BN, 4BP and 4CN, 4CP, 4PN, 4PP, with 1 x 10 mm² cable)

Protection Class:
Degree of Protection:
Ambient Temperature:

II
IP66 (Im, 1h)
-40 °C to +85 °C

Tested according to:

IEC 62862-2:2014
IEC 62862-2014AMD1:2020
EN 62862-2015A1:2020

Page 2 of 2

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