



Product Service

CERTIFICATE

No. Z2 120905 0001 Rev. 00

Holder of Certificate: **Shenzhen Forman Precision Industry Co., Ltd**

No.39-101, Taixing Factory, Gongchang Rd 250
Loucun Community, Xinhua Street
Guangming District
518107 Shenzhen
PEOPLE'S REPUBLIC OF CHINA

Certification Mark:



Product: **Connector**
(Energy storage system connector)

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 TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 64105233028601

Valid until: 2028-05-18

Date, 2023-05-19

(Martin Ma)

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Model(s):

A083 series

Description the rule of the designation of connectors:

A083 - 1F10 - C035N- 0 A 01

I II III IV

I – Basic series designation

A083: A083 series

II – Type of connectors

1F: Female connectors

III – Connect wire

35: 35mm²

50: 50mm²

70: 70mm²

IV – The color of the connector

0: Black

5: Red

6: Orange

A083 - 2M10 - D010F- 0 A 01

I II III IV

I – Basic series designation

A083: A083 series

II – Type of connectors

2M: Male connectors

III – The type terminal and type for fix cover

A010B: Internal thread screw terminal and fix backward cover

A010F: Internal thread screw terminal and fix forward cover

B010B: External thread screw terminal and fix backward cover

B010F: External thread screw terminal and fix forward cover

C070B: 70mm² crimped terminal and fix backward cover

C070F: 70mm² crimped terminal and fix forward cover

D010B: Copper bar with thread hole and fix backward cover

D010F: Copper bar with thread hole and fix forward cover

E010B: Copper bar with hole and fix backward cover

E010F: Copper bar with hole and fix forward cover

IV – The color of the connector

0: Black

5: Red

6: Orange

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Parameters:

Rated voltage:	1500VDC
Number of poles:	1
Rated impulse voltage:	10kV
Pollution degree:	3
IP code:	IP67(after proper mated)
Temperature range (LLT-ULT):	-40°C to +125°C
With or without breaking capacity:	Without (COC)
Number of operating cycles/mechanical endurance:	100
Number of bendings /flexings:	10

Female connector	Rated current (A)	Connect wire (mm ²)	Mated Male connector	Rated current (A)	Connect wire (mm ²)	Type of terminal for male connectors
A083-1F10-C035N-0A01	150	35	A083-2M10-A010B-0A01	150/ 200/ 300	35/50/ 70	Screw
A083-1F10-C050N-0A01	200	50	A083-2M10-A010F-0A01			
A083-1F10-C070N-0A01	300	70	A083-2M10-B010B-0A01			
A083-1F10-C070N-0A01	300	70	A083-2M10-D010B-0A01	300	70	Crimped
A083-1F10-C070N-0A01	300	70	A083-2M10-D010F-0A01			
A083-1F10-C070N-0A01	300	70	A083-2M10-E010B-0A01			
A083-1F10-C070N-0A01	300	70	A083-2M10-E010F-0A01	150/ 200/ 300	35/50/ 70	Screw
A083-1F10-C035N-5A01	150	35	A083-2M10-C070B-5A01			
A083-1F10-C050N-5A01	200	50	A083-2M10-C070F-5A01			
A083-1F10-C070N-5A01	300	70	A083-2M10-A010B-5A01	150/ 200/ 300	35/50/ 70	Screw
A083-1F10-C035N-5A01	150	35	A083-2M10-A010F-5A01			
A083-1F10-C050N-5A01	200	50	A083-2M10-B010B-5A01			
A083-1F10-C070N-5A01	300	70	A083-2M10-B010F-5A01	150/ 200/ 300	35/50/ 70	Screw
A083-1F10-C035N-6A01	150	35	A083-2M10-D010B-5A01			
A083-1F10-C050N-6A01	200	50	A083-2M10-D010F-5A01			
A083-1F10-C070N-6A01	300	70	A083-2M10-E010B-5A01	300	70	Crimped
A083-1F10-C035N-6A01	150	35	A083-2M10-E010F-5A01			
A083-1F10-C050N-6A01	200	50	A083-2M10-A010B-6A01			
A083-1F10-C070N-6A01	300	70	A083-2M10-A010F-6A01	150/ 200/ 300	35/50/ 70	Screw
A083-1F10-C035N-6A01	150	35	A083-2M10-B010B-6A01			
A083-1F10-C050N-6A01	200	50	A083-2M10-B010F-6A01			
A083-1F10-C070N-6A01	300	70	A083-2M10-D010B-6A01	150/ 200/ 300	35/50/ 70	Screw
A083-1F10-C035N-6A01	150	35	A083-2M10-D010F-6A01			
A083-1F10-C050N-6A01	200	50	A083-2M10-E010B-6A01			
A083-1F10-C070N-6A01	300	70	A083-2M10-E010F-6A01	300	70	Crimped
A083-1F10-C035N-6A01	150	35	A083-2M10-C070B-6A01			
A083-1F10-C050N-6A01	200	50	A083-2M10-C070F-6A01			

Remark: The type of terminals for female connectors is crimped terminal.

Tested according to:

PPP 51090B:2023