



CERTIFICATE

No. Z2 121741 0002 Rev. 03

Holder of Certificate: **Xiamen WAIN Electrical Co., Ltd.**
 No. 602 Shanting Road, Min'an Street
 Xiang'an District
 361101 Xiamen, Fujian
 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, Certification, Validation and Verification Regulations of TÜV SÜD Group have to be complied. For details see: www.tuvsud.com/ps-cert

Test report no.: 885002403904

Valid until: 2031-06-08

Date, 2026-06-10


 (Martin Ma)



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Model(s):

WNHVPC-3-M1 series

WNHVPC-3 - M1 - A- Φ6 - OG - 00.1 B 01.2

I II III IV V VI VII VIII

I – Basic series designation

WNHVPC-3: WNHVPC-3 series

II – Type of connector

M1: Male connector

III – Type of Key

A-: A key only for Φ6 pin connector

B-: B key only for Φ6 pin connector

Blank: Standard type (No key)

IV – The pin of connectors

Φ6: 6mm diameter

Φ10: 10mm diameter

V – Color of the enclosure

OG: Orange only for A key and standard type

BK: Black only for B key and standard type

VI – Detail type of the terminal

00.0~99.9 for Φ6 pin connector

00.0~99.9 for Φ10 pin connector

VII – Type of enclosure

Blank: standard enclosure

B: Big enclosure only for Φ10 pin connector with 00.9, 01.5,

81.4~91.4 terminal type

VIII – Customer code(optional):

xx.x: 00.0 to 99.9, do not affect the construction.

WNHVPC-3-F1 series

WNHVPC-3 F1 - A- F25 - OG 00.1

I II III IV V VI

I – Basic series designation

WNHVPC-3: WNHVPC-3 series

II – Type of connector

F1: female connector

III – Type of Key

A-: A key only for connector with 25/16/10 mm² wire

B-: B key only for connector with 25/16/10 mm² wire

Blank: Standard type (No key)

IV – The cross-sectional area of the connected wire

F10: 10mm²

F16: 16mm²

F25: 25mm²

F35: 35mm²

F50: 50mm²

F70: 70mm²

V – Color of the enclosure

OG: Orange only for A key and standard type

BK: Black only for B key and standard type



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VI – Customer code (optional):

xx.x: 00.0 to 99.9, do not affect the construction.

WNHVPC-3-MOG series, WNHVPC-3-MBK series

WNHVPC-3 - MOG - 110A - 00.1 00.6

I II III IV V

I – Basic series designation

WNHVPC-3: WNHVPC-3 series

II – Type of connector

MOG: Male connector (orange color enclosure)

MBK: Male connector (black color enclosure)

III – The pin of connectors

110A: 11.0mm diameter

110B: 11.0mm diameter

145A: 14.5mm diameter

IV – Detail type of the terminal

00.0~99.9 for 110A

00.0~99.9 for 110B

00.0~99.9 for 145A

V – Customer code (optional):

xx.x: 00.0 to 99.9, do not affect the construction.

WNHVPC-3-FOG series, WNHVPC-3-FBK series

WNHVPC-3 - FOG - 095A 00.1

I II III IV

I – Basic series designation

WNHVPC-3: WNHVPC-3 series

II – Type of connector

FOG: Female connector (orange color enclosure)

FBK: Female connector (black color enclosure)

III – The cross-sectional area of the connected wire

095A: 95mm²

120A: 120mm²

150A: 150mm²

185A: 185mm²

IV – Customer code (optional):

xx.x: 00.0 to 99.9, do not affect the construction.



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Parameters:

Rated current:	See table 1
Rated voltage:	See table 1
Number of poles:	1
Pollution degree:	3
IP code:	See table 1
Temperature range (LLT-ULT):	-40°C to 125°C
Type of terminals:	Screw terminals for male connectors except the models of WNHVPC-3-MOG-110A-00.3 and WNHVPC-3-MBK-110A-00.3, crimped terminals for female connectors and models of WNHVPC-3-MOG-110A-00.3 and WNHVPC-3-MBK-110A-00.3
With or without breaking capacity:	Without (COC)
Number of operating cycles/mechanical endurance:	200

Tested according to:

PPP 51090C:2025



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Remarks:

Table 1: Detail information for different models:

Fixed male connector	Mated female connectors	Rated current (A) (At 70°C)	Rated voltage, rated insulation voltage (VDC)	Connected wire cross-section area (mm ²)	IP degree
WNHVPC-3-M1-Φ6-OG-00.0, WNHVPC-3-M1-Φ6-OG-00.1, WNHVPC-3-M1-Φ6-OG-00.3	WNHVPC-3-F1-F25-OG	120	1000	25	IP67 (After proper installation)
	WNHVPC-3-F1-F16-OG	80	1000	16	
	WNHVPC-3-F1-F10-OG	60	1000	10	
WNHVPC-3-M1-A-Φ6-OG-00.1	WNHVPC-3-F1-A-F25-OG	120	1000	25	
	WNHVPC-3-F1-A-F16-OG	80	1000	16	
	WNHVPC-3-F1-A-F10-OG	60	1000	10	
WNHVPC-3-M1-Φ6-BK-00.0, WNHVPC-3-M1-Φ6-BK-00.1, WNHVPC-3-M1-Φ6-BK-00.3	WNHVPC-3-F1-F25-BK	120	1000	25	
	WNHVPC-3-F1-F16-BK	80	1000	16	
	WNHVPC-3-F1-F10-BK	60	1000	10	
WNHVPC-3-M1-B-Φ6-BK-00.1	WNHVPC-3-F1-B-F25-BK	120	1000	25	
	WNHVPC-3-F1-B-F16-BK	80	1000	16	
	WNHVPC-3-F1-B-F10-BK	60	1000	10	
WNHVPC-3-M1-Φ10-OG-00.2, WNHVPC-3-M1-Φ10-OG-00.4, WNHVPC-3-M1-Φ10-OG-00.6, WNHVPC-3-M1-Φ10-OG-00.7, WNHVPC-3-M1-Φ10-OG-01.0, WNHVPC-3-M1-Φ10-OG-00.9, WNHVPC-3-M1-Φ10-OG-00.9B	WNHVPC-3-F1-F70-OG	250	1500	70	IP67 (After proper installation)
	WNHVPC-3-F1-F50-OG	200	1500	50	
	WNHVPC-3-F1-F35-OG	150	1500	35	
WNHVPC-3-M1-Φ10-OG-00.8, WNHVPC-3-M1-Φ10-OG-01.1	WNHVPC-3-F1-F70-OG	250	1500	70	IP20 (After proper installation)
	WNHVPC-3-F1-F50-OG	200	1500	50	
	WNHVPC-3-F1-F35-OG	150	1500	35	
WNHVPC-3-M1-Φ10-BK-00.2, WNHVPC-3-M1-Φ10-BK-00.4, WNHVPC-3-M1-Φ10-BK-00.6, WNHVPC-3-M1-Φ10-BK-00.7, WNHVPC-3-M1-Φ10-BK-01.0, WNHVPC-3-M1-Φ10-BK-00.9, WNHVPC-3-M1-Φ10-BK-00.9B	WNHVPC-3-F1-F70-BK	250	1500	70	IP67 (After proper installation)
	WNHVPC-3-F1-F50-BK	200	1500	50	
	WNHVPC-3-F1-F35-BK	150	1500	35	



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WNHVPC-3-M1-Φ10-BK-00.8, WNHVPC-3-M1-Φ10-BK-01.1	WNHVPC-3-F1-F70-BK	250	1500	70	IP20 (After proper installation)
	WNHVPC-3-F1-F50-BK	200	1500	50	
	WNHVPC-3-F1-F35-BK	150	1500	35	
WNHVPC-3-MOG-110A-00.0, WNHVPC-3-MOG-110B-00.4 WNHVPC-3-MOG-110A-00.1, WNHVPC-3-MOG-110A-00.2, WNHVPC-3-MOG-110A-00.3	WNHVPC-3-FOG-095A	300	1500	95	IP67 (After proper installation)
	WNHVPC-3-FOG-120A	350	1500	120	
WNHVPC-3-MBK-110A-00.0, WNHVPC-3-MBK-110B-00.4 WNHVPC-3-MBK-110A-00.1, WNHVPC-3-MBK-110A-00.2, WNHVPC-3-MBK-110A-00.3	WNHVPC-3-FBK-095A	300	1500	95	IP67 (After proper installation)
	WNHVPC-3-FBK-120A	350	1500	120	
WNHVPC-3-MOG-145A-00.0, WNHVPC-3-MOG-145A-00.5, WNHVPC-3-MOG-145A-00.1, WNHVPC-3-MOG-145A-00.2	WNHVPC-3-FOG-150A	400	1500	150	IP67 (After proper installation)
	WNHVPC-3-FOG-185A	450	1500	185	
WNHVPC-3-MBK-145A-00.0, WNHVPC-3-MBK-145A-00.5, WNHVPC-3-MBK-145A-00.1, WNHVPC-3-MBK-145A-00.2	WNHVPC-3-FBK-150A	400	1500	150	IP67 (After proper installation)
	WNHVPC-3-FBK-185A	450	1500	185	

Remark: The models of female connectors mentioned above may be with customer code, detail information can refer to description the rule of the designation of energy storage system connectors.

In the above table, the code of type of terminals may be changed by the different names for the same terminal. Detail information can refer to table 2.

The standard of PPP 51090C has covered the requirements of IEC 61984:2008/EN 61984: 2009 and the requirements of Mechanical and Degree of protection: IEC 60512,
Climatic: IEC 60068,
Flammability: IEC 60695,
Weather resistance: ISO 4892.