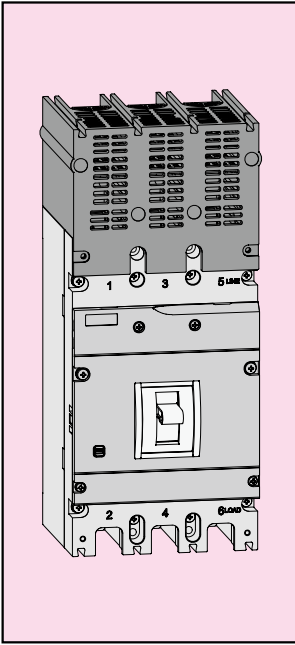


VM3-HU Series
User Manual



V1.4 202411



Electric Current!
Danger to life!

Only skilled or instructed persons may
carry out the following operations

Shanghai Vozwei Electric Technology Co., Ltd.

VM3-250HUL/HUM/HUH1

Connection	6	GB70.1 M8×25 GB93 8 GB97.1 8	
Installation of Circuit-breaker	4	GB9074.8 M4×100	
Installation of terminal cover	2	GB9074.8 M3×10	
	4	GB9074.8 M4×75	

mm

Front Panel Connection
VM3-250HUL/HUM/HUH2

With terminal expander

Front Panel Connection
VM3-250HUL/HUM/HUH

Without terminal expander

GB70.1 M8×25
GB93 8
GB97.1 8

Installation of Terminal cover
VM3-250HUL/HUM/HUH3

Note: Standard

Note: Standard

Note: When users use, terminal cover should be assembled on terminals 1,3 and 5 of circuit breaker according to graphics, Insulation board is installed between circuit breaker and metal installation board.

Note

Installation of phase separator
VM3-250HUL/HUM/HUH4

Attention direction

Note1: Insulation board is standard configuration. If the beam is installed, it can be cut off by itself, but the dimension H ≥ 40mm should be ensured;

Note2:The standard configuration of phase separators is 8, and 4 short and 4 long. When the number of circuit breakers installed side by side is ≥ 2, please keep the installation position of the phase interphase clapboard of the side phase consistent (all installed on phase A side or phase C side), 1 long and 1 short (phase separator) should be added for the side phase of the circuit breaker close to the metal cabinet.

Circuit breaker installation Safety distance
VM3-250HUL/HUM/HUH5

The minimum spacing between adjacent circuit breakers

The minimum spacing of the top, baseplate and side plate of the circuit breaker

The minimum insulation length of wiring bar when it is front panel connection

The minimum spacing between the circuit breaker and front panel

Model	Distance (mm)							
	A	B	C	D1	D2	E	F	G
VM3-250HUL/HUM/HUH	120	228	30	146	30	178.9	350	30

Note: When users use, terminal cover and Short phase separator should be assembled on terminals 1,3 and 5 of circuit breaker according to graphics. Long phase separator should be assembled on terminals 2,4 and 6 of circuit breaker according to graphics, Insulation board is installed between circuit breaker and metal installation board.

Electrical accessories installation
VM3-250HUL/HUM/HUH6

Insulator Shunt release (SHT) Under-voltage release (UVT) Auxiliary/Alarm (AX/AL)

Note

Lead direction of internal accessories

Note

VM3-630HUL

Connection	6	GB70.1 M10X25 DIN6796 Φ10
Installation of Circuit-breaker	4	GB9074.7 M6X65 GB971 6 GB6170 M6
Installation of terminal cover	2	GB845 ST2.9X9.5C
	4	GB9074.8 M4X50

mm

Front Panel Connection
VM3-630HUL

With terminal expander

Front Panel Connection
VM3-630HUL

Without terminal expander

GB70.1 M10×25
DIN6796 Φ10

Installation of Terminal cover
VM3-630HUL

Gb845 ST2.9×9.5C
GB9074.8 M4×50

Note: Standard

Note: Standard

Note

1. Insulation board must be installed.
2. If F<8mm at the load,the insulation board must be enlarged.

Installation of phase separator
VM3-630HUL

Lead direction of accessories

Electrical accessories installation
VM3-630HUL

Insulator	Shunt release (SHT)
Under-voltage release (UVT)	Auxiliary/Alarm (AX/AL)

Name	Position	Name	Position
SHT	L2+L3/R2+R3	AX	L1/L2/L3/R1/R2/R3
UVT	L2+L3/R2+R3	AL	L1/L2

Circuit breaker installation Safety distance
VM3-630HUL

Model	A	B	C	D	E	F1	F2
VM3-630HUL	30	150	30	180	201.5	26	14

Note: When used by the user, terminals 1,3 and 5 of the circuit breaker connect to transformer side and install terminal cover and phase separator according to graphics. Terminals 2,4 and 6 connect to inverter side and install phase separator according to graphics. Insulation board is installed between circuit breaker and metal installation board.

Motor operator (CD)
VM3-630HUL

GB9074.8 M6×12
GB6170 M6

Manual operator (CS)
VM3-630HUL

GB9074.8 M6×12
GB6170 M6