


YC7VAN Series

Voltage and Current Protector

OPERATION INSTRUCTION

CNC Deliver Power For
Better Life

-  Before installing and using this product, please read this manual carefully and pay more attention to safety.

1. Technical Data

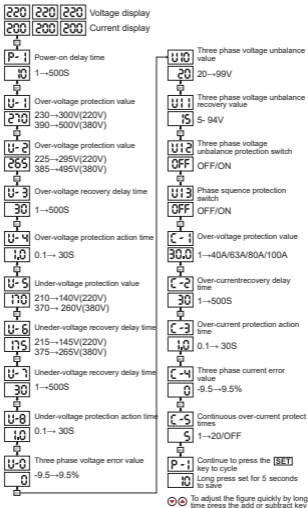
Item	AC 220V	AC 380V
Rated supply voltage	AC 220V	AC 380V
Operating voltage range	AC 80–400V (Three phase)	AC 140–700V (Three phase)
Rated frequency	50/60Hz	50/60Hz
Electric current adjusting range	1–40A / 63A / 80A / 100A	1–40A / 63A / 80A / 100A
Over-voltage setting range	230–300V (220V)	390–500V (380V)
Under-voltage setting range	165–295V (220V)	280–465V (380V)
Rated current	40A / 63A / 80A / 100A	40A / 63A / 80A / 100A
U< and U> trip delay	0.1–30s	0.1–30s
Reset/start delay	1–500s	1–500s
Voltage measurement accuracy	±2%	±2%
Rated insulation voltage	400V	700V
Output contact	1NO	1NO
Electrical life	10 ⁶	10 ⁶
Mechanical life	10 ⁶	10 ⁶
Protection degree	IP20	IP20
Pollution degree	3	3
Altitude	≤2000m	≤2000m
Operating temperature	-5°C~+55°C	-5°C~+55°C
Humidity	≤50% at 40°C (without condensation)	≤50% at 40°C (without condensation)
Storage temperature	-30°C~+70°C	-30°C~+70°C

Rated supply voltage	AC 220V				AC 380V			
	40A	63A	80A	100A	40A	63A	80A	100A
Current specification	40A	63A	80A	100A	40A	63A	80A	100A
Rated operating current (In)	40A	63A	80A	100A	40A	63A	80A	100A
Maximum operating current (A)	63A	80A	100A	125A	63A	80A	100A	125A
Maximum power of load (kW)	8.8	13.9	17.7	22	15.2	24	30.4	38

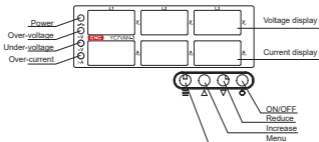
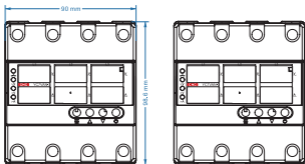
2. Default Setting

Technical parameter	Setting range	Step	Factory setting
Power-on delay time	1–500s	1s	10s
Over-voltage protection value	230–300V / 390–500V	1V	270V / 430V
Over-voltage recovery value	225–295V / 385–495V	1V	265V / 425V
Over-voltage recovery delay time	1–500s	1s	30s
Over-voltage protection action time	0.1–30s	0.1s	1s
Under-voltage protection value	210–140V / 370–260V	1V	170V / 300V
Under-voltage recovery value	215–145V / 375–265V	1V	175V / 305V
Under-voltage recovery delay time	1–500s	1s	30s
Under-voltage protection action time	0.1–30s	0.1s	1s
Three-phase voltage error value	-9.5%~9.5%	0.50%	0%
Three-phase voltage unbalance value	20–80%	1%	20%
Three-phase voltage unbalance protection switch	OFF / ON	—	ON
Phase sequence protection	OFF / ON	—	ON
Over-current protection value	1–40A / 63A / 80A / 100A	1A	30A
Over-current recovery delay time	1–500s	1s	30s
Over-current protection action time	0.1–30s	0.1s	1s
Three-phase current error	-9.5%~9.5%	0.50%	0%
Continuous over-current protection times	1–20 / OFF	1	OFF

3. Function setting



4. Overall and mounting dimensions(mm)





CERTIFICATE

Product Model: YC7VAN series

Inspector: CNC 001

Production date: Printed on the product
or package

This product is qualified according to the
delivery inspection

CNC

YC7VAN series

CNC ELECTRIC

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