sfim®

General Technical Index

Technical parameters			Index
Input	Voltage	Rated value	AC 0~600V
		Over load	Consistent:1.2 times instantaneous:2 times /30s
		Comsumption	<0.5VA(each phase)
		Impedance	>500kΩ
	Current	Rated value	AC 1A. 5A
		Over load	Consistent:1.2 times instantaneous:2 times /1s
		Impedance	<2mΩ
	Frequency		45~65Hz
Measuring accuracy	Voltage. current		±(0.5%FS+one digit)
	Active reactive power		±(0.5%FS+one digit)
	Frequency		±0.1Hz
	Harmonic		The three-phase voltage/current 21 total harmonic content
	Power factor		±0.01PF
	Active energy		±0.5%(only for reference, not for meterage)
	Reactive energy		±1.0%(only for reference, not for meterage)
Power	Scope		AC 220V,50/60Hz AC/DC 85~265V .....
	Consumption		<5VA
Safety	Withstand voltage	Input and power	>2kv50Hz/1min
		Input and output	>1kv50Hz/1min
		Output and power	>2kv50Hz/1min
	Insulating resistance		Any two of input, output, power, casing>20MΩ
Environment	Temperature		Operation:-10~50°C
			Storage:-25~70°C
	Humidity		≤85%RH. free of wet and corrosive gas
	Elevation		≤3000m

Type and designation

SFN-□□□-□□+□

Additional functions
nDO:switch value output(n=1,2,3,4 channels)
nDI:switch value input(n=1,2,3,4 channels)
nAO:analog quantity output(n=1,2,3,4 channels)
H:harmonic

Measurement parameters(can combine several parameters)
U:voltage I:current F:frequency H:power factor P:active power
Q:reactive power R:revolutions per minute E:multifunaction power meter

Phase
Omit:single-phase or DC 3:three-phase

Display mode
1:one-row nixietube display 2:two-row nixietube display
3:three-row nixietube display 4:four-row nixietube display
5:five-row nixietube display Y:LCD display

Function code
K:programmable meter without RS485 communication
S:programmable meter with RS485 communication

Shape code
2:120×120 4:48×48 5:96×48 7:72×72
8:80×80 9:96×96 G:modular type