KWH METER

KWH-100A-3PH-DF

Three phase din rail type energy meter

DESCRIPTION / APPLICATION

The meter is used in three phase four wire/three phase three wire /two phase three wire power grid. The meter is designed to measure AC active energy. It is a long life meter with the advantage of high stability, high over load capability, low power loss and small volume.

Basic Function

1. LCD display;
2. Bi-directional total active energy measurement, reverse active energy measure in the total active energy;
3. Pulse LED indicates working of meter, Pulse output with optical coupling isolation;
4. Loss phase LED indication, Reverse connection LED indication;
5. For LCD display type meter, Energy data can store in memory chip more than 15 years after power off;
6. 35mm din rail installation.

PART NUMBER EXAMPLE

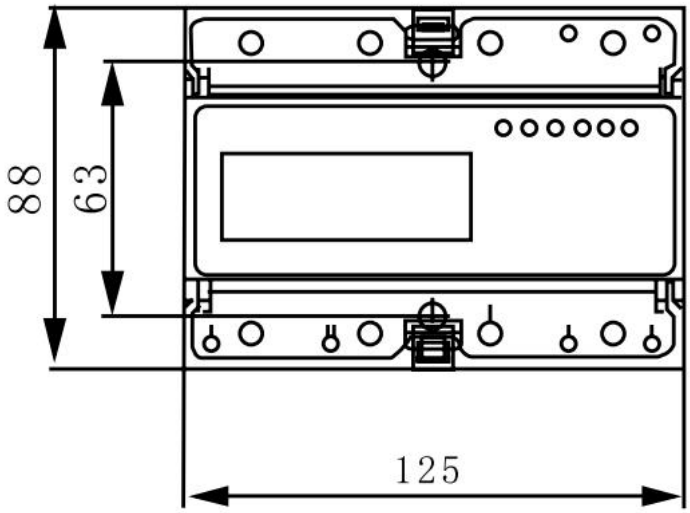
BASE NUMBER	Ampere	Phase	Display mode
KWH	100A	3PH	DF =digital face
EXAMPLE	KWH-100A-3PH-DF (KWH METER 100A 3P DIGITAL FACE)		

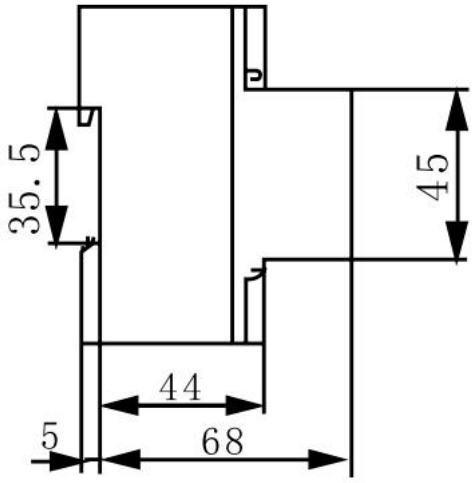
MAIN TECHNICAL DATA

Rate voltage AC	three phase four wire 3x120/208V, 3x220/380V, 3x230/400V, 3x240/415V three phase three wire(two phase three wire) 2x120/208V, 2x127/220, 3x220V, 3x380V, 3x400V		
Working voltage range	0.8~1.2Un		
Rate Current / Frequency	5A/CT, 1.5(6)A, 5(60)A, 10(100)A, or other as required 50Hz or 60Hz		
Connection mode	CT type or Direct type	**Accuracy class**	1.0
Power consumption	<0.5W/5VA/each phase	**Start current**	0.004Ib
AC voltage withstand	4000V/25mA for 60 sec	**IP grade**	IP20
Impulse Voltage	6kV 1.2μs waveform	**Constant**	400~6400 imp/kWh
Pulse output	Passive pulse, pulse width is 80±5 ms	**Executive standard**	DIN 43880, IEC62053-21,IEC62052-11
Operating temperature	-25℃ ~55℃	**Storage temperature**	-40℃ ~80℃
Reference temperature	23℃ ±2℃	**Relative humidity**	0 to 95%, non-condensing
Altitude	Up to 2500m	**Warm up time**	10s

DIMENSIONS AND MOUNTING

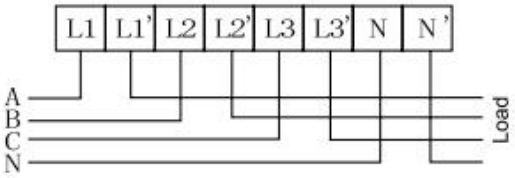
Outline dimension



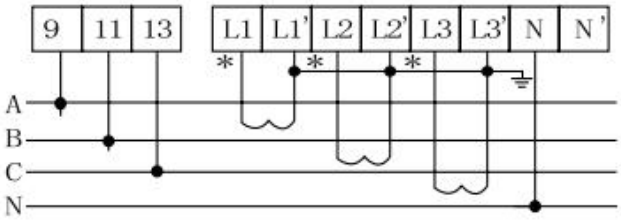


Wire connection

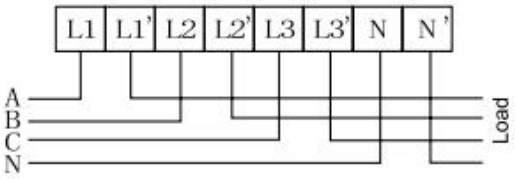
(1)three phase four wire direct connection



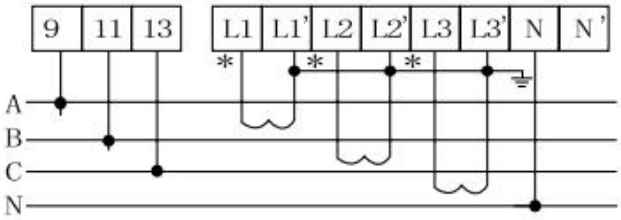
(2)three phase four wire through current transformer connection



(3)three phase three wire direct connection



(4)two phase fthree wire direct connection



(5)three phase three wire through current transformer connection