

DSS238-7 two phase three wire din rail type watt hour meter (D2705)



The meter is used in two phase three wire power grid. The meter is designed to measure AC active energy. All of its functions comply with the relative technical requirement for class 1 three phase watt hour meter in IEC62053-21. It is a long life meter with the advantage of high stability, high over load capability, low power loss and small volume.

Basic Function

- ★Mechanical step register 5+1 or 6, LCD display 6+1(default) or 5+2
- ★Bi-directional total active energy measurement, reverse active energy measure in the total active energy
- ★Pulse LED indicates working of meter, Pulse output with optical coupling isolation
- ★Loss phase LED indication, Reverse connection LED indication
- ★35mm din rail installation

Technical Data

Rate voltage	DSS238-7 three phase three wire(two phase three wire) 2x120/208V, 2x127/220, 3x220V, 3x380V, 3x400V
Working voltage range	0.8~1.2Un
Rate Current	5A/CT, 1.5(6)A, 5(30)A, 5(60)A, 10(100)A, or other as required
Frequency	50Hz or 60Hz
Connection mode	CT type or Direct type
Display	mechanical step register or LCD
Accuracy class	1.0
Power consumption	<0.5W/5VA /each phase

Noting : other voltage, current are also available. Other function also can be special design as customer requirement

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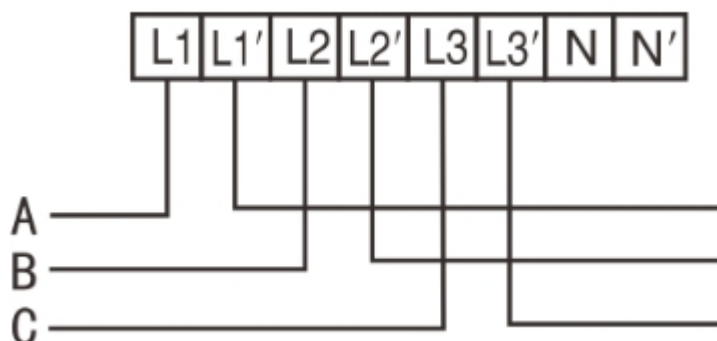
Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2 μ s waveform
IP grade	IP20
Constant	400~6400 imp/kWh
Pulse output	Passive pulse, pulse width is 80 \pm 5 ms
Executive standard	DIN 43880, IEC62053-21, IEC62052-11
Work temperature	-30 $^{\circ}$ C~70 $^{\circ}$ C
Outline dimension LXMxH	125x88x73mm
Weight	Approx 0.5kg

Environment

Operating temperature	-25 $^{\circ}$ C~55 $^{\circ}$ C
Storage temperature	-40 $^{\circ}$ C~80 $^{\circ}$ C
Reference temperature	23 $^{\circ}$ C \pm 2 $^{\circ}$ C
Relative humidity	0 to 95%, non-condensing
Altitude	Up to 2500m
Warm up time	10s
Mechanical Environment	M1
Electromagnetic Environment	E2
Degree of pollution	2

Wire connection

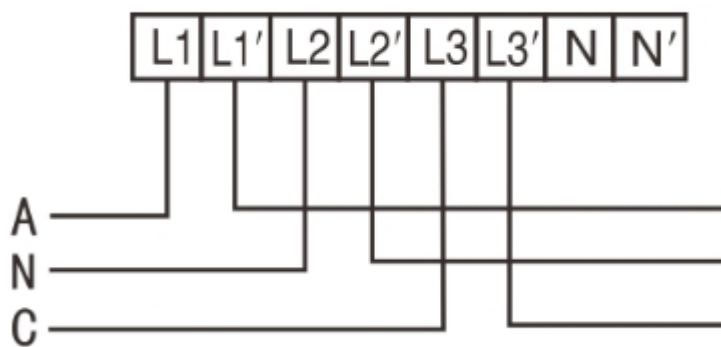
(1) three phase three wire direct connection



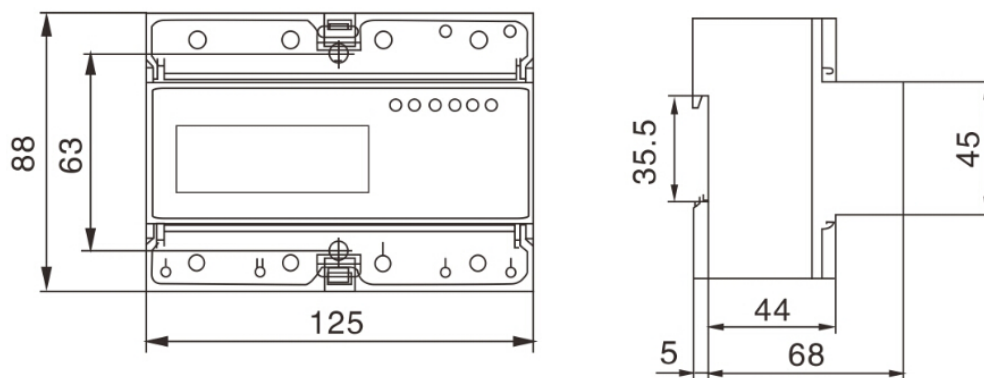
(2) two phase three wire direct connection

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Outline dimension



Noting : other voltage, current are also available. Other function also can be special design as customer requirement