DT(S)S238-4 M three phase din rail type watt hour meter (D3403)

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. 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

★LCD display 6+1(default), Touch button for display step by step
★Bi-directional total active energy measurement, reverse active energy measure in the total active energy
★The meter also display real voltage, real current, real active power, real reactive power, real power factor, real frequency, import active energy, export active energy, resettable interval 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	DTS238-4 M three phase four wire 3x127/220V, 3x120/208V, 3x220/380V, 3x230/400V, 3x240/415V
	DSS238-4 M 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(60)A, 10(100)A, or other as required
Frequency	50Hz or 60Hz
Connection mode	CT type or Direct type
Display	LCD
Accuracy class	1.0
Power consumption	<1W/10VA /each phase
Start current	0.004Ib

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

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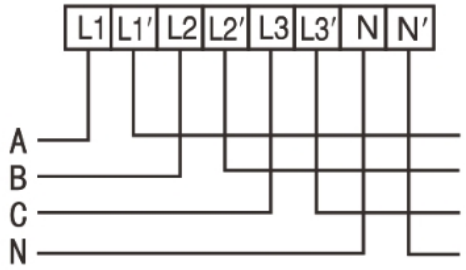
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2μs waveform
IP grade	IP20
Constant	400～6400 imp/kWh
Pulse output	Passive pulse, pulse width is 80±5 ms
Executive standard	DIN 43880, IEC62053-21, IEC62052-11
Work temperature	-30℃～70℃
Outline dimension LXMXH	70x90x70mm
Weight	Approx 0.5kg

Environment

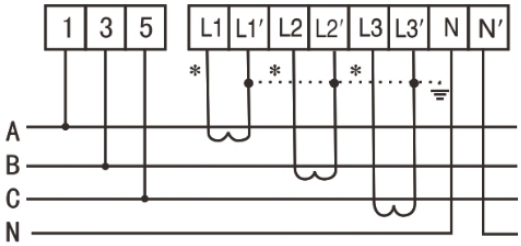
Operating temperature	-25℃～55℃
Storage temperature	-40℃～80℃
Reference temperature	23℃±2℃
Relative humidity	0 to 95%, non-condensing
Altitude	Up to 2500m
Warm up time	10s
Mechanical Environment	M1
Electromagnetic Environment	E2
Degree of pollution	2

Wire connection

(1) three phase four wire direct connection



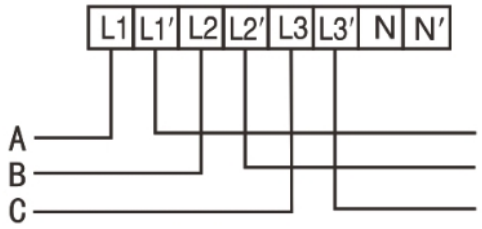
(2) three phase four wire through current transformer connection



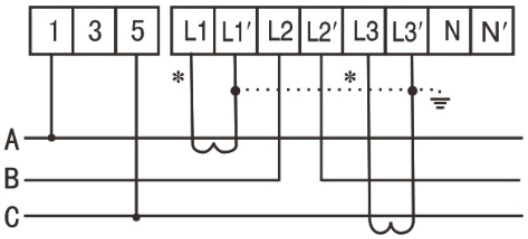
Noting : other voltage , current are also available . Other function also can be special design as customer requirement

DT(S)S238-4 M three phase din rail type watt hour meter (D3403)

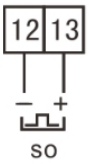
(3) three phase three wire direct connection



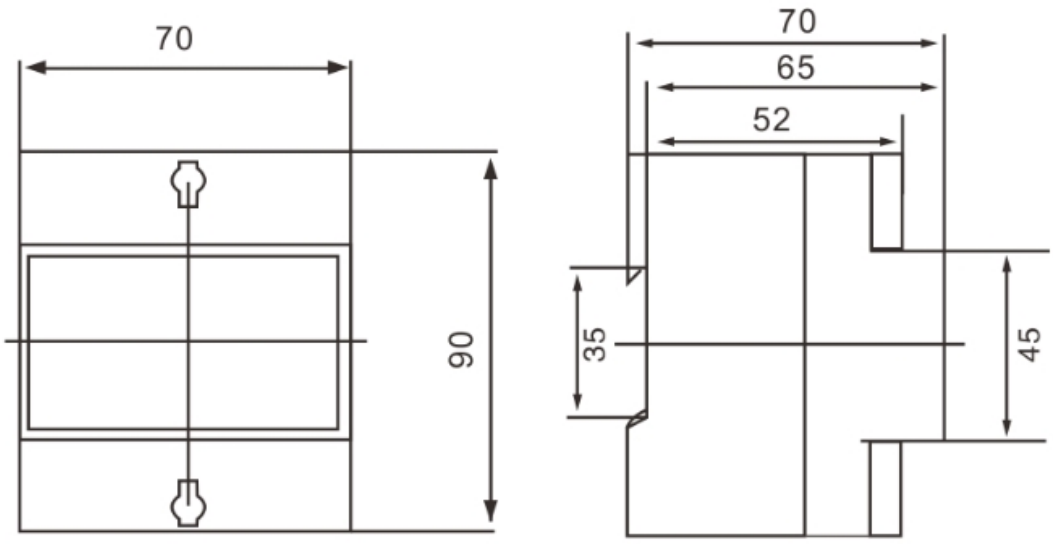
(4) three phase three wire through current transformer connection



Terminal function



Outline dimension



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