DT(S)S238-7 (D3701)

three phase din rail type energy meter

D3701-1

D3701-2

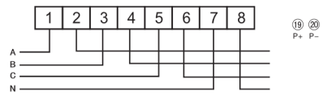
The meter is used in three phase four wire/three phase three wire /two phase three wire power grid. The meter is designed to measure AC active energy. It is a long life meter with the advantage of high stability, high over load capability, low power loss and small volume.

Basic Function

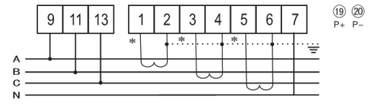
- Mechanical step register or LCD display
- Bi-directional total active energy measurement, reverse active energy measure in the total active energy
- Pulse LED indicates working of meter, Pulse output with optical coupling isolation
- Loss phase LED indication, Reverse connection LED indication
- For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

Wire connection

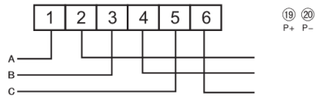
(1)three phase four wire direct connection



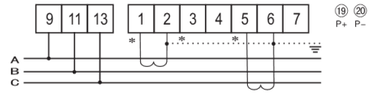
(2)three phase four wire through current transformer connection



(3)three phase three wire direct connection



(4)two phase fthree wire direct connection



HIKING
Smart meter for IoT

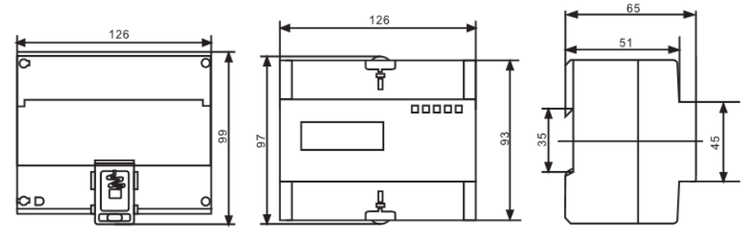
Technical Data

Rate voltage AC	DTS238-7 three phase four wire 3x120/208V, 3x220/380V, 3x230/400V, 3x240/415V 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(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
Start current	0.004Ib
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	125x88x73mm

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

Outline dimension



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

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