# DT(S)S238-7 (D3701)

## three phase din rail type energy meter

HIKING
Smart meter for IoT

D3701-1

D3701-2

D3701-3

D3701-4

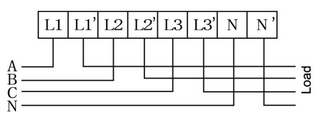
The meter is used in three phase four wire/three phase three wire /two phase three wire power grid. The meter is designed to measure AC active energy. It is a long life meter with the advantage of high stability, high over load capability, low power loss and small volume.

## Basic Function

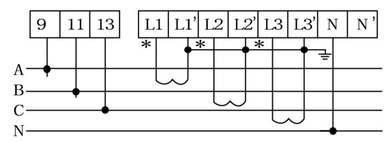
- Mechanical step register or LCD display
- Bi-directional total active energy measurement, reverse active energy measure in the total active energy
- Pulse LED indicates working of meter, Pulse output with optical coupling isolation
- Loss phase LED indication, Reverse connection LED indication
- For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

## Wire connection

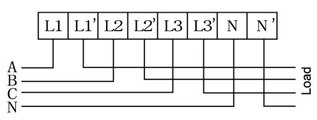
(1)three phase four wire direct connection



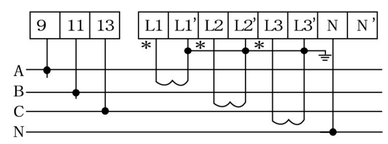

(2)three phase four wire through current transformer connection



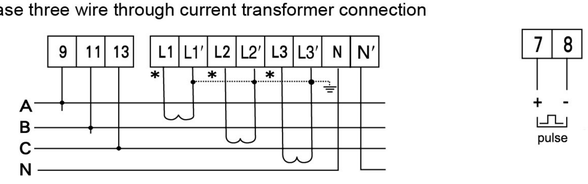

(3)three phase three wire direct connection




(4)two phase fthree wire direct connection



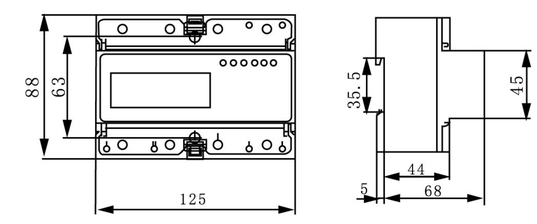

(5)three phase three wire through current transformer connection




## Technical Data

| | |
|---|---|
| Rate voltage AC | DTS238-7 three phase four wire 3x120/208V, 3x220/380V, 3x230/400V, 3x240/415V<br>DSS238-7 three phase three wire(two phase three wire)<br>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 1.2 μ s 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