DDS238-2 R0 single phase din rail type watt hour meter (D1209)

The meter is designed to measure single phase two wire AC active energy like residential, utility and industrial application. 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 5+1
★LCD display with backlight
★ Four type active energy measurement, total energy, import energy, export energy, resettable interval energy
★Resettable interval energy can be reset to zero by keypad in anytime, (the resettable interval energy display is dependent with the total energy display, this reset will not affect the total energy)
★ Pulse LED indicates working of meter, Passive pulse output with optical coupling isolation
★Energy data can store in memory chip more than 15 years after power off
★35mm din rail installation

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

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Technical Data

Rate voltage	110V,120V,220V,230,240V
Working voltage range	0.8～1.2Un
Rate Current	5(65)A, 10(100)A, or special required
Frequency	50Hz or 60Hz±10%
Connection mode	Direct type
Display	LCD
Accuracy class	1.0
Power consumption	<1W/10VA
Start current	0.004Ib
AC voltage withstand	4000V/25mA for 60 sec
Impulse Voltage	6kV 1.2µs waveform
Over current withstand	30Imax for 0.01s
IP grade	IP20
Constant	1000～2000 imp/kWh
Pulse output	Passive pulse, pulse width is 80±5 ms 5～27VDC, Max current input 27mA DC
Executive standard	DIN 43880, IEC62053-21, IEC62052-11
Outline dimension LXMXH	100x36x65mm
Weight	Approx 0.14kg

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

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

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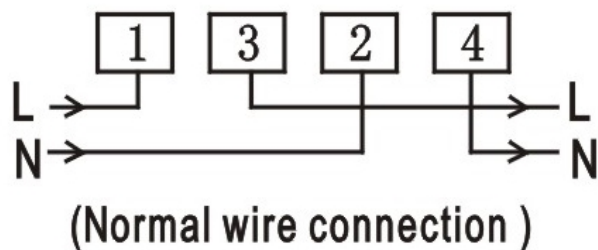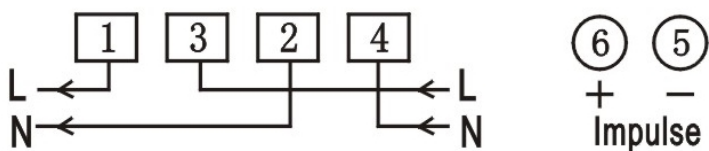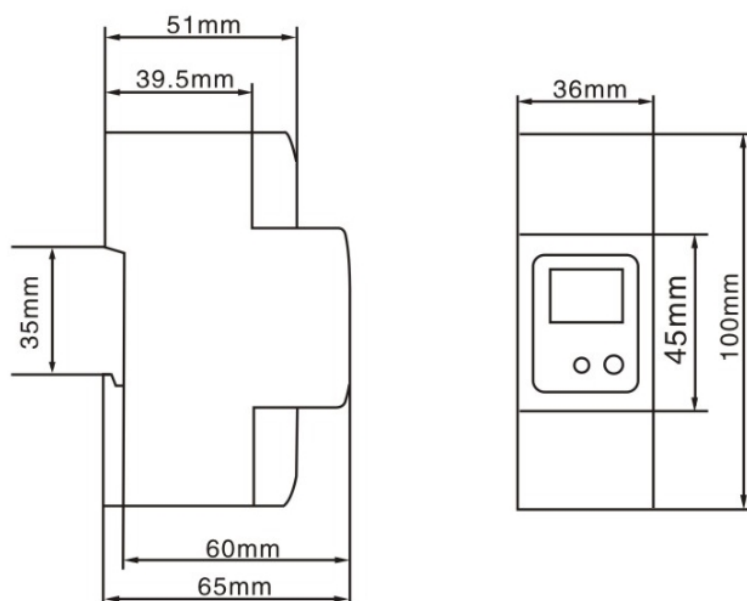
PHOTO 1

| 1 | 3 | 2 | 4 |

L →   → L
N →   → N

(Normal wire connection)

PHOTO 2

| 1 | 3 | 2 | 4 | ⑥ ⑤

L ←   ← L   +   −
N ←   ← N   Impulse

Note: If reverse wire connection as photo 2, the total energy
      still can measure

Outline dimension

51mm
39.5mm
36mm

35mm

45mm 100mm

60mm
65mm

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