4 MODULAR

SINGLE PHASE DIN RAIL MULTI-FUNCTION ENERGY METER

INTRODUCTION

Modular DIN Rail Products offer a wide range of functions to be integrated in electrical installations with significant benefits for the user, we have complete range of DIN-mounted electricity Meters together with communication options. It is designed for high level performance and are safe and fast to install.

The meters are available in several configurations to suite many applications, with the increasing energy cost, measuring of the electricity consumption is getting more and more important, If you can identify where you have used you are one step closer to reducing your energy cost, Now start to make energy usage smarter.

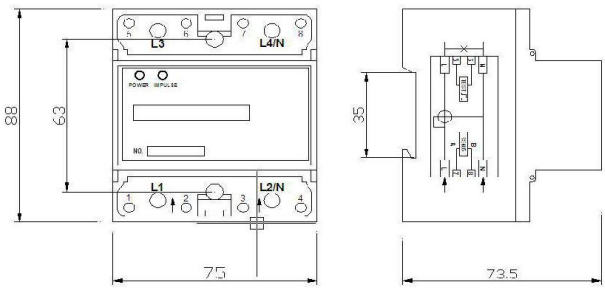
FUNCTIONS

- ♦ Meter case: ABS + PC anti flaming, environment friendly material
- ♦ Dimension: 75mm width, 88mm length, 73.5mm height
- ♦ Display: LCD display 6+2 digits
- ♦ Standard configuration pulse output passive (polarity)
- ♦ Forward active energy and reverse active energy measurement
- ♦ Directly connect operation, Maximum 100A
- ♦ Approved by international standard IEC62052-11, IEC62053-21
- ♦ Communicate RS485 Modbus RTU protocol, baud rate: 1200~9600bps
- ♦ Instantaneous: Voltage (V); Current (A); Frequency (Hz); Power (KW); Power factor (COS)
- ♦ Real time Clock and calendar, accuracy less 0.5s per day
- ♦ Time-of-use, 4 Tariff, 8 Time Zone, 12 Segments, Different time with different energy price
- ♦ 12 Month historical Active / Reactive energy consumption
- ♦ Multi Function: Reactive Energy Power / Consumption

TECHNICAL PARAMETERS

Model NO.	DDM100SCF, DDM100SCD
Accuracy	Active 1.0; Reactive 2.0
Installation	35mm Din Rail Mounted
Rated voltage	AC 110V, 220V, 230V, 240V
voltage range	0.8 ~ 1.2Un
Rated current	5(80)A, 10(100)A
Operation current range	0.05Ib~ Imax
Starting current	0.4%Ib
Rated frequency	50Hz or 60 Hz
Power consumption	2W / 10VA
Impulse constant	800imp/kWh, 1600imp/kWh
Relative humidity	≤ 85%
Operation temperature	-10°C ~ +60°C
Insulation capabilities	AC voltage withstand 2kV for 1 minute Impulse voltage withstand 4kV - 1.2/50μs waveform

DIMENSION



WIRING DIAGRAM