



### Application

Model DDS833B single phase electronic DIN rail active energy meter is a kind of new style single phase two wire active energy meter, it adopt micro-electronics technique, and imported large scale integrate circuit, use advanced technique of digital and SMT techniques, etc. It has completely its independent intellectual property rights and minimum size, and also a new single phase two wire active energy meter. It has already passed the test of the international authority KEMA. The meter completely accord with relevant technical requirements of class 1 single phase active energy meter stipulated in international standard IEC 62053-21. It can accurately and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity net., it can display total energy consumption by step type impulse register. it has following features: Good reliability, small volume, light weight , specious nice appearance, convenient installation, etc.

### Functions and features

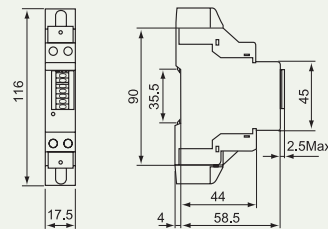
- 35mm standard DIN rail installation, complying with standard DIN EN50022.
- Single pole width (Modulus 17.5mm), complying with standard DIN43880.
- Standard configuration 6+1 digits display (999999.1kWh) by step and machinery counter. May select 5+1 digits display (99999.1kWh).
- Standard configuration Impulse output with no power (polarity), May select distant impulse output with no power ( no polarity). And contact with all kind of AMR system conveniently, complying with standard IEC 62053-31 and DIN 43864.
- Bicolor LED instructions power state (green) and signal of power impulse (red).
- Automatic Detection the direction of the trend of load current. And Instructions (Only red power impulse signal when working, If no green power, that is meaning the load current reverse).
- Single direction measure single phase two wire active Power consumption. It is nothing with direction of the trend of load current. Complying with standard IEC 62053-21.
- Directly connect and use, there are two type you may select. Standard configuration type S connection, may select type U connection.
- Extended terminals cover, in order to protect to use electricity safely.

### Technical parameters

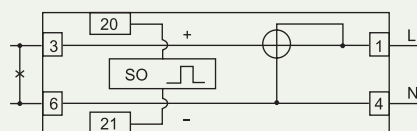
Model	Accuracy	Rated Voltage (V)	Rated Current (A)	Starting Current (A)	Insulation Performance
DDS833B	Class1	127 230	5(30)	0.02	AC voltage 4kV for 1 minute, 1.2/50us wave form impulse voltage 6kV

\*If you need different reference voltage or current specification, please advisory our sales

### Outer and mount dimension



### Wiring diagram



Terminal	Note
1	Inlet phase line
4	Inlet neutral line
3	Outgoing phase line
6	Outgoing neutral line
20and21	Port of pulse output passive