

General

Model GEM015SS 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 its completely independent intellectual property rights and minimum size. 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 accurate and directly measure 50Hz or 60Hz active energy consumption from single phase AC electricity net, it can display total energy consumption by step motor type impulse register. It has following features: good reliability, small volume, light weight, specious appearance, convenient installation, etc.



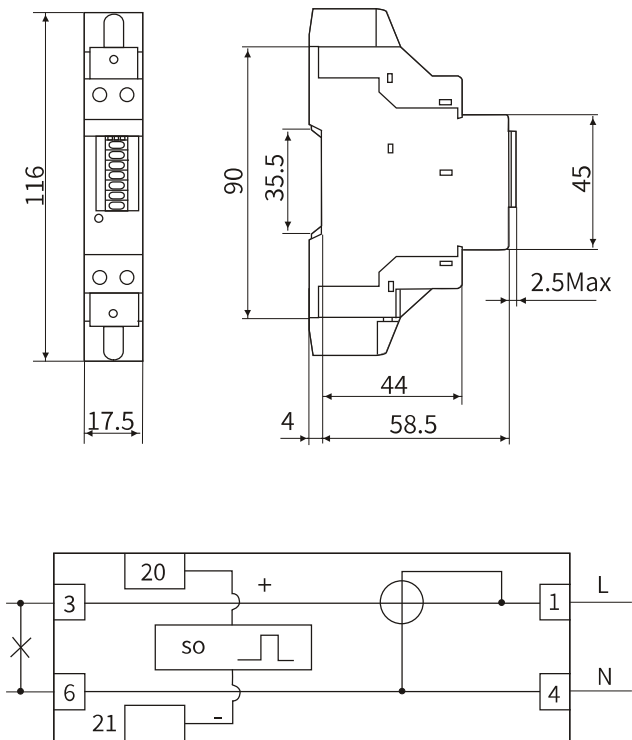
Functions and features

- 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 motor type impulse register. May select 5 + 1 digits display (99999.1kWh).
- Standard configuration pulse output passive (polarity), May select distant pulse output passive (nonpolarity). And contact with all kind of AMR system conveniently, Complying with standard IEC 62053-31 and DIN 43864.
- Bicolor LED instructions power supply state (green) and signal of energy impulse (red).
- Automatic detection the direction of the flow of load current. And instructions (Only red energy impulse signal when working, If no green instructions power supply, that is meaning the direction of the flow of load current reverse).
- Single direction measurement 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 types wiring you may select. Standard configuration type S connection, may select type U connection (Product Configuration code is US).
- Extension terminals cover, in order to protect to use safety.

Technical parameters

Model	Accuracy	Reference Voltage(V)	Current specifications(A)	Starting current(A)	Insulation performance
GEM015SS	Class 1	127	5(30)	0.02	AC voltage 4kv for 1 minute, 1.2/50us waveform impulse voltage 6kv
		230			

Dimension and Wiring



Terminals	Note
1	Inlet phase line
4	Inlet neutral line
3	Outgoing phase line
6	Outgoing neutral line (Inlet from top, outlet from bottom)
20 and 21	Port of pulse output passive