

General

Type GEM011MC 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. 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 nice appearance, convenient installation, etc.



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Functions and features

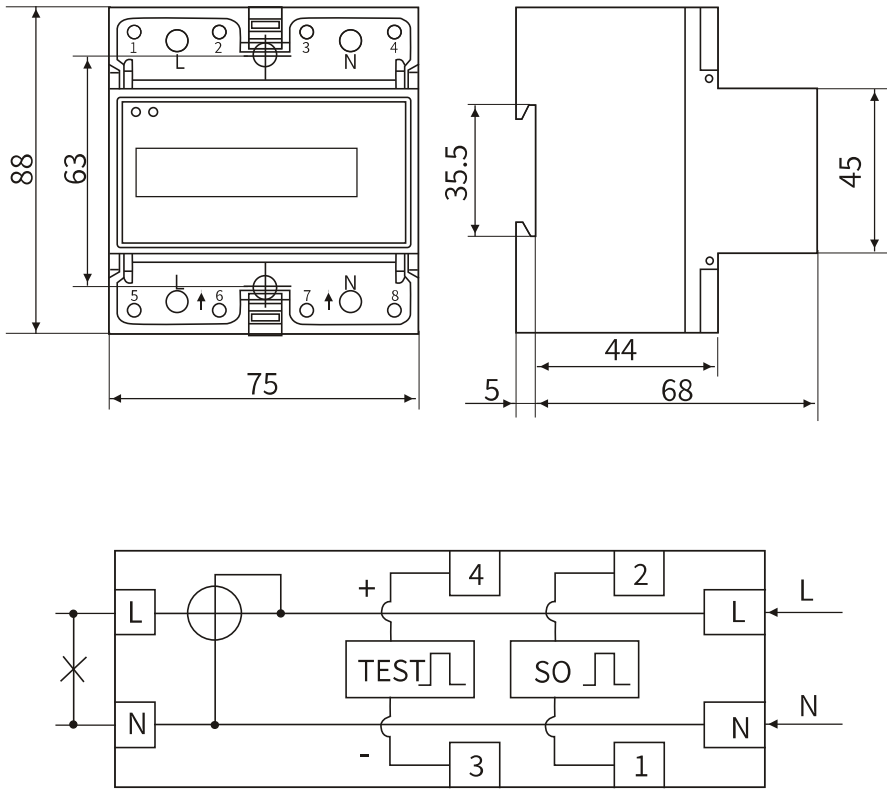
- 35mm standard DIN rail installation, complying with standard DIN EN50022. Or front board setting (mounting holes center distance 63 mm), users can choose any one by themselves.
- Six pole width (Modulus 12.5mm), complying with standard JB/T7121-1993.
- Seven digits LCD monitors, standard configuration 6 + 1 digits display (999999.1kWh). May select 5 + 2 digits display (Please specified when ordering).
- There is a maintenance-free lithium batteries in it, use for displaying power cut reading.
- There are a polarity port of pulse output passive closed and a no polarity port of pulse output passive distant, the output rate is 10 or 100 imp/kWh (can select), And contact with all kind of AMR system conveniently, complying with standard IEC 62053-31 and DIN 43864.
- Three LED instructions respectively power supply state and signal of closed energy impulse and distant energy impulse.
- Standard configuration don't detection direction of the flow of load current. May select automatic detection the direction of the flow of load current. And instructions by an individual LED.
- Single direction measure single phase two wire active energy consumption. It is nothing with direction of the flow of load current. Complying with standard IEC 62053-21.
- Standard configuration type S wiring (Inlet from bottom, outlet from top) for direct connect operation, we can also choose another type of connection, and use CT (Product Configuration code is LC) and PT & CT (Product Configuration code is KC) for operation.
- Standard configuration short terminals cover, may select extension terminals cover, in order to protect to use safety. (Product Configuration code is MF).

Technical parameters

Model	Accuracy	Reference Voltage(V)	Current specifications(A)	Starting current(A)	Insulation performance
GEM011MC	Class 1	127	5(30)	0.02	AC voltage 4kv for 1 minute, 1.2/50us waveform impulse voltage 6kv
		230	10(50)	0.04	
			20(100)	0.08	

Dimension and Wiring

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Terminals	Note
L	Phase line
N	Neutral line (Inlet from bottom, outlet from top)
3 and 4	Port of pulse output passive closed
1 and 2	Port of pulse output passive distant