

General

Model GEM011JC 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. This meter has seven digits LCD displays shows the active energy consumption. It has following features: good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.



Functions and features

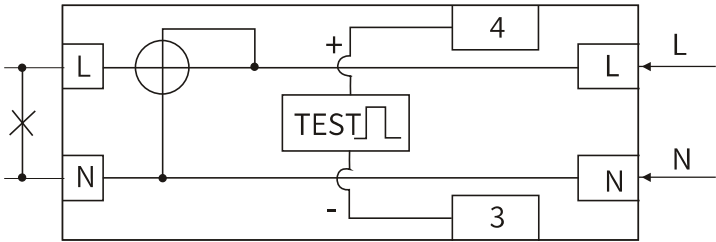
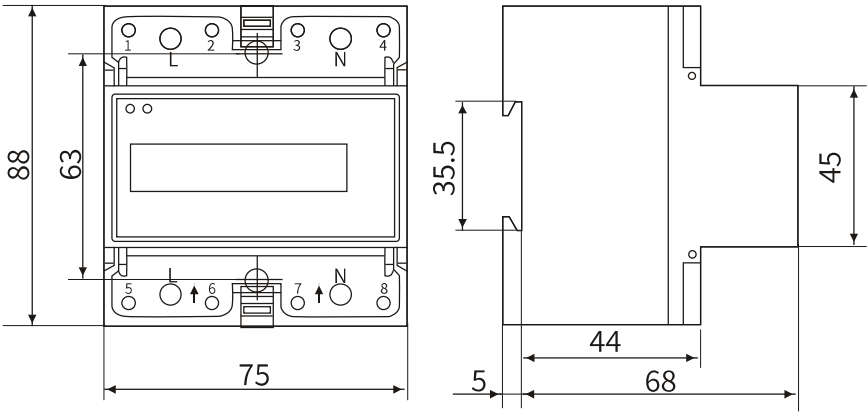
- 35mm standard DIN rail installation, complying with standard DIN EN50022. Or front board setting (mounting holes center distance 63 mm), users can choose any one by themselves.
- Six pole width (Modulus 12.5mm), complying with standard JB/T7121-1993.
- Standard configuration 6 + 1 digits display (999999.1kWh). May select 5 + 2 digits display (Please specified when ordering).
- Standard configuration Impulse output passive (polarity), May select distant impulse output passive (no polarity). And contact with all kind of AMR system conveniently, complying with standard IEC 62053-31 and DIN 43864.
- Two LED instructions respectively power supply state (green) and signal of energy impulse (red).
- Standard config uratio n 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 IC) and PT & CT (Product Configuration code is HC) for operation.
- Standard configuration short terminals cover, may select extension terminals cover, in order to protect to use safety. (Product Configuration code is JF).

Technical parameters

Model	Accuracy	Reference Voltage(V)	Current specifications(A)	Starting current(A)	Insulation performance
GEM011JC	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 (Inlet from bottom, outlet from top)
N	Neutral line (Inlet from bottom, outlet from top)
3 and 4	Port of pulse output passive