

General

Type GEM011ZA single phase electronic DIN rail active energy meter is a kind of new style single phase two wire active energy meter, it is fit for use on rental houses, and with two power energy counters, use for recording total energy and daily energy. 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. This meter has LCD display active energy. it has following features: good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.



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Functions and features

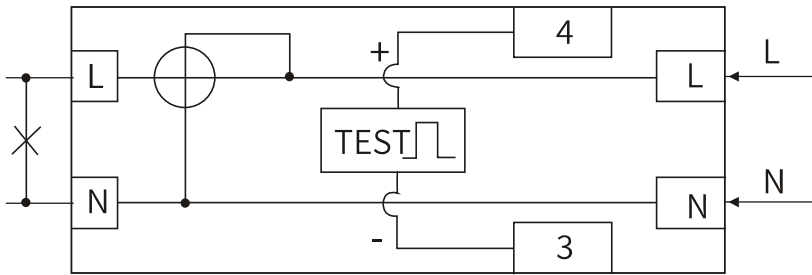
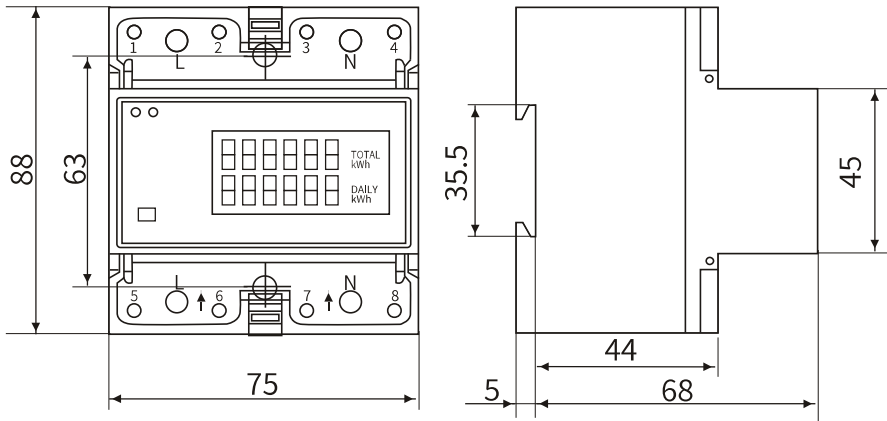
- 35mm standard DIN rail installation, complying with standard DIN EN50022. Or front board setting (mounting holes center distance 63 mm), users can choose any one by themselves.
- Six pole width (Modulus 12.5mm), complying with standard JB/T7121-1993.
- Two 6 digits LCD display, use for display total energy (5 + 1 digits display) and daily energy (4 + 2 digits display), and we can cleared the number form the red button on the panel, the red button can be protected by lead closed.
- Standard configuration LCD display without backlighting, may select with white backlight ing, and there is maintenance-free battery, use for display when the power cut off. (Product Configuration code is ZC)
- Standard configuration one port of pulse output passive (polarity), May select increase a distant port of pulse 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 power supply state (green) and signal of energy impulse (red).
- 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 (Only green LED energy pulse signal when working, that is meaning the direction of the flow of load current reverse).
- Single direction measure single phase two wire active Power consumption. It is nothing with direction of the flow of load current. Complying with standard IEC 62053-21.
- Directly connect operation, there are two types you may select. Standard configuration type S wiring, may select type T wiring (Product Configuration code is TA).
- Standard configuration short terminals cover, may select extension terminals cover, in order to protect to use safety. (Product Configuration code is ZB).

Technical parameters

Model	Accuracy	Reference Voltage(V)	Current specifications(A)	Starting current(A)	Insulation performance
GEM011ZA	Class 1	127	5(30)	0.02	AC voltage 4kv for 1 minute, 1.2/50us waveform impulse voltage 6kv
			10(50)	0.04	
		230	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