

General

Model GEM041CL three phase four wire electronic multi-rate DIN rail active energy meter is a kind of three phase four wire two tariffs (tariff conversion is controlled by timer outside or similar equipment) active energy meter, the meter completely accord with relevant technical requirements of class 1 three phase active energy meter stipulated in international standard IEC 62053-21. It can accurate and directly measure 50Hz or 60Hz active energy consumption from three phase four wire AC electricity net. This meter has seven digits LCD displays shows various consumption data and information. It has following features: good reliability, small volume, light weight, specious nice appearance, convenient installation, etc.



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Functions and features

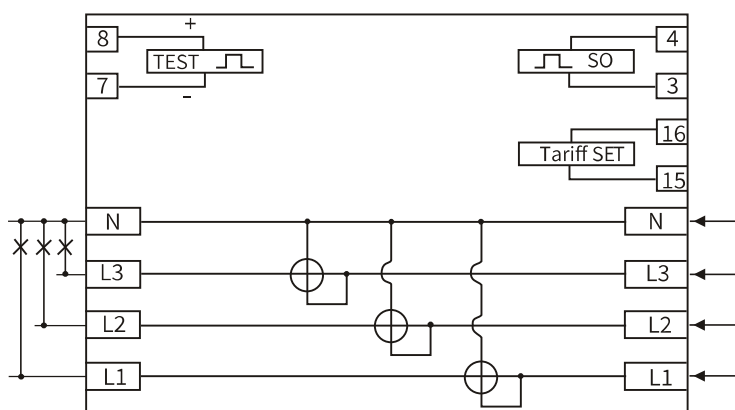
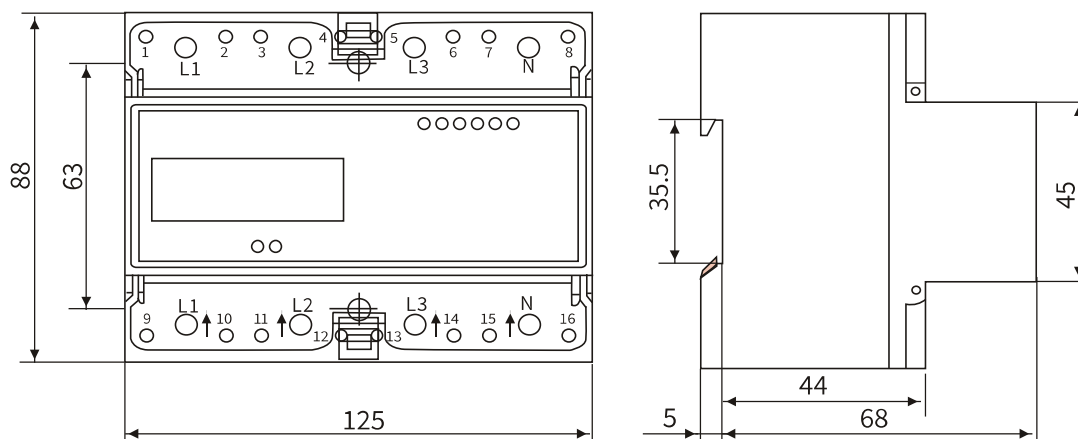
- 35mm standard DIN rail installation, complying with standard DIN EN50022. Or front board installed (mounting holes center distance 63 mm), users can choose any one by themselves.
- Ten pole width (Modulus 12.5mm), complying with standard JB/T7121-1993.
- Have two tariffs, and port of set the tariff, input control voltage 0-90 Vac, set up tariff F1, input control voltage 150-400 Vac, set up tariff F2, the tariff conversion is controlled by timer outside or similar equipment.
- Standard configuration type of cycle display, cycle display is 5 seconds. It can display 6 data at most. Can select the data which displayed. (Please specified when ordering). The decimal median which displayed can choose set one or two. (Default two decimal, please specified when ordering).
- Use memory that is not loss easy, the data can be kept forever after blackout.
- There are a polarity port of pulse output passive closed and a nonpolarity port of pulse output passive distant, the output rate is 10 or 100 imp/kWh (can select), Complying with standard IEC 62053-31 and DIN 43864.
- Eight LED instructions respectively power supply state, signal of energy impulse, the direction of the flow of load current, and the tariff state just now.
- Single direction three components measure three phase four 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 wiring, and use CT (Product Configuration code is CN) and PT & CT (Product Configuration code is CP) for operation.
- Standard configuration short terminals cover, may select extension terminals cover, in order to protect to use safety. (Product Configuration code is CM).

Technical parameters

Model	Accuracy	Reference Voltage(V)	Current specifications(A)	Starting current(A)	Insulation performance
GEM041CL	class 1	3x127/220	5(30)	0.02	AC voltage 4kv for 1 minute, 1.2/50us waveform impulse voltage 6kv
		3x230/400	10(60)	0.04	
			20(100)	0.08	

Dimension and Wiring

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Terminal	Note
L1,L2,L3	L1,L2,L3 phase line
N	Neutral line(Inlet from bottom, outlet from top)
15 and 16	Port of set the tariff,
7 and 8	Port of pulse output passive closed
3 and 4	Port of pulse output passive distant