

DD862型

Single-phase energy meter



1.Application

DD862-4 single-phase energy meter is direct wiring type inductive type, is used to measure 50Hz AC circuit active electricity. This product conforms to standard of IEC 521:1998.

2.Main technical parameter

Level	2 level
Reference voltage	220V
Reference frequency	50Hz
Current specification	see Table1
Start current	Max is 0.5% Basic current
Basic rotational speed	see Table1
Basic torque	about 4.5 x 10Nm
Voltage circuit consumption	< 1 W
Withstand impulse voltage	6KV
Install dimension	152mm x 104 mm (see Table1)
Shape dimension	177mm x 133mm x 118mm
reliability	Once installed and used without maintenance operation for more than twenty years
Net weight	1.4Kg

Table1 Overload multiple, basic current and basic rotation speed

Model No.	Basic current (Max rated current)	Basic rotation speed
DD862	1.5(6)A inductive type	Take basic rotational speed meter nameplate as standard
	1.5 (6) A	
	2.5 (10) A	
	5 (20) A	
	10 (40) A	
	15 (60) A	
	20 (80) A	
	30 (100) A	



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3. Operate environment

standard operate temperature: $-20^{\circ}\text{C}\sim+50^{\circ}\text{C}$
 ultimate operate temperature: $-30^{\circ}\text{C}\sim+60^{\circ}\text{C}$
 relative humidity $\leq 75\%$

4. Operate principle

Due to different phase, different spatial position and produced by two fixed electromagnet and current induced in the rotating element (round plate) interaction, to rotate the rotating element. And due to magnet steel braking action to accelerate the round plate to reach a certain speed, and also due to magnetic flow and voltage, current are in proportion, rotation of disk is transmitted to the meter by worm, and the number of the meter is shown to be the actual power consumption of the circuit.

5. Install and shape dimension, wiring type

