



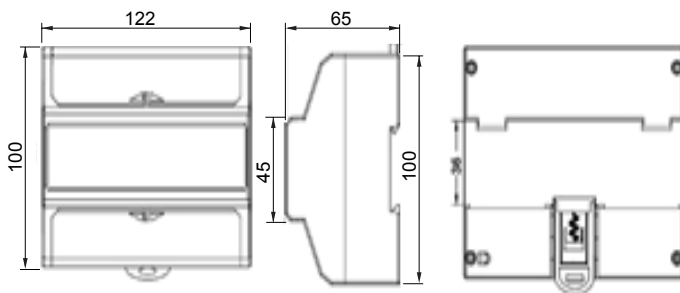
Product Description: DTS-353-100M (Modbus) THREE-PHASE DIN-RAIL ELECTRONIC ENERGY METER(SEVEN MODULE)



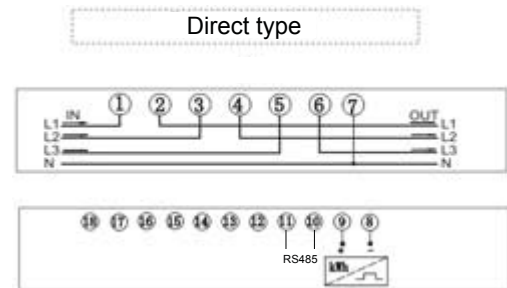
The three phase seven modular DIN-Rail energy meter is a new style three phase four wire static active energy meter, it adopts special large scale integrated circuit and international advanced technology of digital and SMT techniques. Its general goal is higher accuracy, higher reliability, light and compact, it is carried out in every step of designing, producing, testing, aging and calibration.

1. Voltage: 3x110V; 3x220/380V; 3x230/400V
2. Current: 10(100)A
3. Impulse constant: 800imp/kWh
4. Frequency: 50/60Hz
5. Accuracy Class: 1.0
6. Display mode: LCD /Counter
7. Power Consumption: ≤2W, 10VA
8. Creep: Its output is not more than one impulse when the voltage is 115% voltage rating, the circuit doesn't have any current.
9. Start Current: 0.004Ib
10. Connection Mode: Direct Mode
11. Standard: IEC62052-11/IEC62053-21
DIN EN 50022, DIN43880
12. RS485-for external reading only
13. Modbus - RTU

Outer and mount dimension:



Wiring diagram:





Instructions

Changing the MODBUS® node address.

The default MODBUS® node address is 1.

The MODBUS® node address can be changed using the DTS ModBus12 software or by writing the new node address to register 40007. In both cases the **SET** button has to be held down during the write operation. Register 40007 is a 16 bit integer.

Using the DTS ModBus12 software, firstly select the appropriate serial port and click the Connect button. Then the current meter node address should be entered in the Meter No. box. If the meter node address is not known use the broadcast address 0 and click the Read Data button, the meter will respond with its kWh reading and its own address. With the current meter node address in the Meter No. box, enter the new meter node address in the New Meter No. box. While holding the **SET** button down, click the Write No. button. Confirm the new address either by using the broadcast address 0 or the new meter node address.

Resetting or writing the kWh reading.

The kWh register can be reset or changed using the DTS ModBus12 software or by writing to register

40001. In both cases the SET button has to be held down during the write operation.

Register

40001 is a 32 bit long integer.