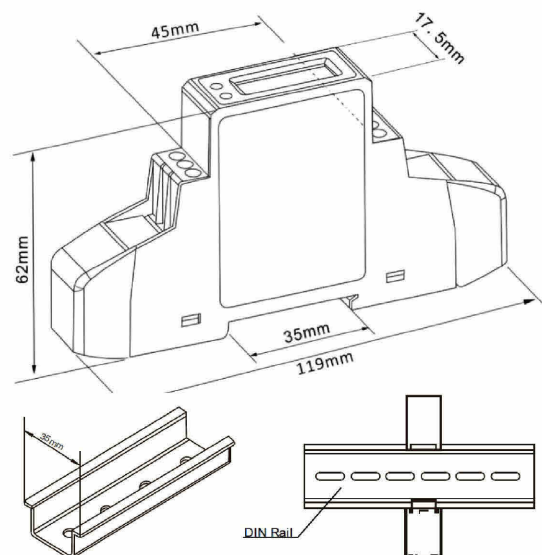


SDM120CT-MV (C-YA-A-00264)

Single - Phase Multifunction Din Rail Meter + SPLIT CORE CURRENT + MODBUS

● **DIMENSIONS**

: 119 x 62 x 17.5 mm., DIN RAIL 35 mm.



SDM120CT-MV ... is a METER Device to measure Electrical Parameters such as V, A, Hz, PF, kWh, KW and etc. It is compatible with 220VAC 1-PHASE and it works together with SPLIT CORE CURRENT to connect and measure Current; so, it is more convenient because it is unnecessary to connect/disconnect Cable POWER for measuring current, it only hooks SPLIT CORE together with CABLE POWER. There is 7-SEGMENT LED DISPLAY 6-DIGIT with MENU; it can read the measuring values through LED Display directly and it can write program to read values through PORT RS485 (MODBUS) in order to apply the measuring values to collect electricity bill of dormitories or apartments or factories. Or, it can be applied to IOT projects that use Microcontroller to read and show the measuring values through the cell phone.

General Specifications

Measures kWh, Kvarh, KW, Kvar, KVA, PF, Hz, dmd, V, A, etc.

Voltage AC (Un) 230V

Voltage Range 176~276V AC

Base Current (Ib) 0.1VAC

Power consumption <2W/10VA

Frequency 50/60Hz(±10%)

AC voltage withstand 4KV for 1 minute

Impulse voltage withstand 6KV-1.2uS waveform

Overcurrent withstand 30Imax for 0.01s

Pulse output rate 1000imp/kWh (default)

0.001(default)/0.01/0.1/1/10/100/1000 kWh/kVarh(configurable)

Display LCD with white backlight

CT operated, RS485 Port modbus RTU

Max. Reading 99999.9kWh

Accuracy

Voltage 0.5% of range maximum

Current 0.5% of nominal

Frequency 0.2% of mid-frequency

Power factor 1% of Unity

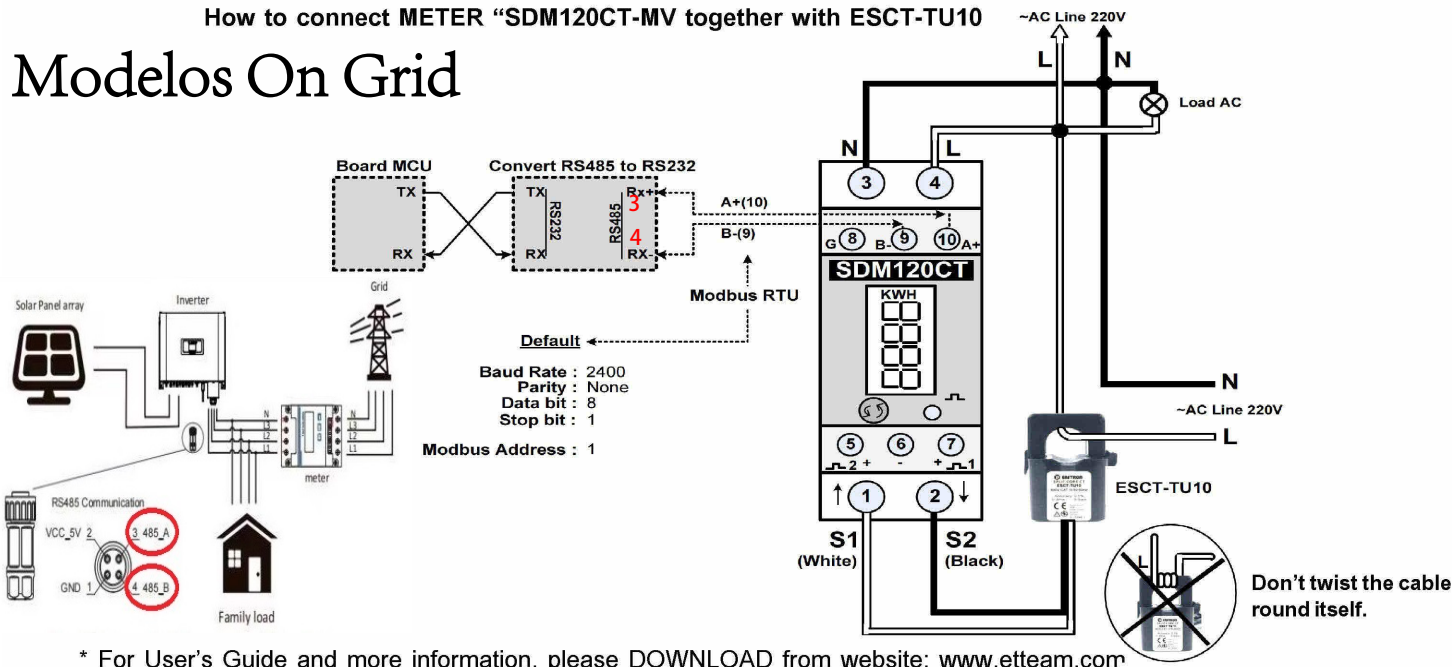
Active power 1% of range maximum

Reactive power 1% of range maximum

Apparent power 1% of range maximum

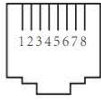
How to connect METER "SDM120CT-MV together with ESCT-TU10

Modelos On Grid



* For User's Guide and more information, please DOWNLOAD from website: www.etteam.com

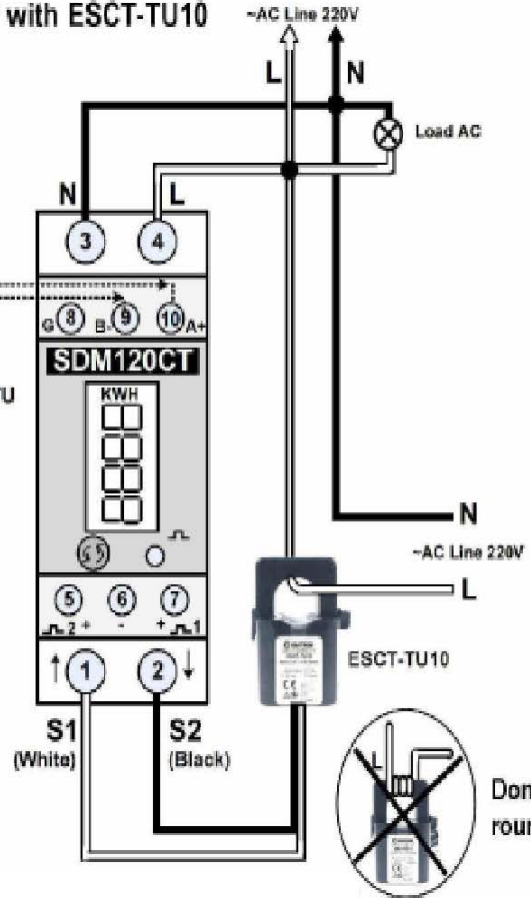
Modelos Híbridos



How to connect METER "SDM120CT-MV together with ESCT-TU10

No.	RS485 Pin
1	RS485B
2	RS485A
3	GND
4	
5	CANH
6	CANL
7	
8	

Default
 Baud Rate : 2400
 Parity : None
 Data bit : 8
 Stop bit : 1
 Modbus Address : 1



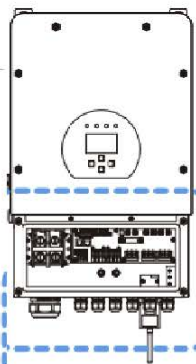
Don't twist the cable round itself.

Modelos:

3.6kw 5kw Pines 5-A 6-B

Modelos:

6KW.8KW.10KW.12kw a Pines 1-A 2-B



Inverter

