

DTSU666 three phase 4P smart meter 100A/40mA



Product certification

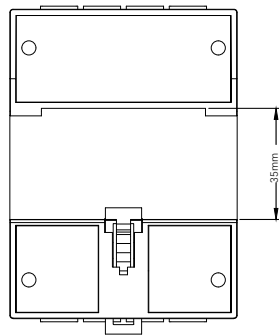
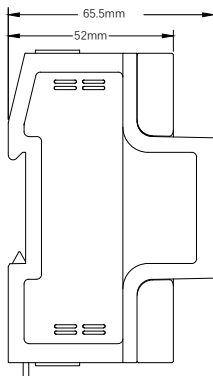
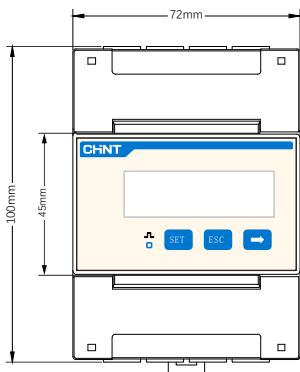


Current transformer



Current: 100A/40mA,
Aperture: $\varnothing 16\text{mm}$

Dimension



Wiring diagram

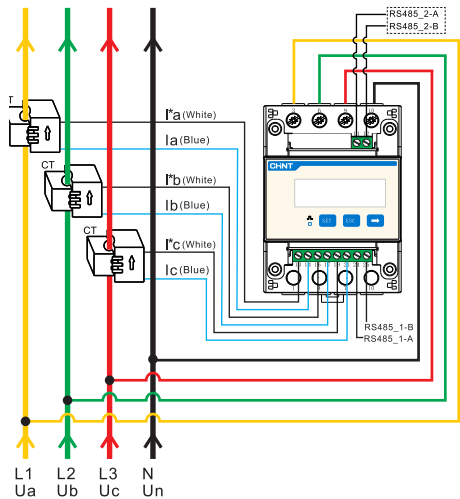
Upper terminal

Voltage input				Communication	
Ua	Ub	Uc	N	RS485-2A	RS485-2B
3	6	9	10	11	12

Lower terminal

Voltage input						Communication	
I*a	Ia	I*b	Ib	I*c	Ic	RS485-1A	RS485-1B
13	14	16	17	19	21	24	25

3P4W



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Function

- Metering function: measurement for forward and reverse active energy;
- Measuring function: measurement for voltage, current, frequency, power, power factor, etc;
- Display function: LCD, key-press display;
- Communication function: RS485,support Modbus-RTU;
- Refresh rate: active power refresh rate about 50ms.

Technical parameter

Item		Parameter
Accuracy	Voltage	$\pm 0.5\%$
	Current/power	$\pm 0.5\%$
	Electric energy	$\pm 1\%$
Electrical parameters	Grid type	Three phase four wire(3P4W)
	Voltage specification	$3 \times 220/380\text{V} \dots 3 \times 240/415\text{V}$
	Current specification	100A/40mA
	Frequency	50-60Hz
	Specified working voltage range	207V ~ 253V
	Extended working voltage range	184V ~ 264V
Communication	Interface	RS485
	Protocol	Modbus-RTU
	Baud rate	1200 / 2400 / 4800 / 9600bps(default) 19200/115200bps(customizable)
Environment	Specified working temperature range	$-25^{\circ}\text{C} \sim +55^{\circ}\text{C}$
	Extended working temperature range	$-40^{\circ}\text{C} \sim +70^{\circ}\text{C}$
	Relative Humidity (non-condensing)	$\leq 75\%$
	Atmosphere	86kPa ~ 106kPa
Specification	Dimension	72mm $\times$ 100mm $\times$ 65.5mm(allowance ± 1)
	Mounting type	DIN35mm (standard DIN-Rail mount)