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



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;
- Refesh rate: active power refresh rate about 200ms;

Technical parameter

Item		Parameter
Accuracy	Voltage	±0.5%
	Current/power	±0.5%
	Electric energy	±1%
Electrical paramaters	Grid type	Three phase four wire(3P4W)
	Voltage specification	AC 3X57.7/100V...3X240/415V
	Current specification	100A/40mA
	Frequency	50-60Hz
	Access method	CT:access100A/40mA
	Specified working voltage range	L-N 207V ~ 253V
	Extended working voltage range	L-N 184V ~ 264V
Communication	Interface	RS485 RJ45
	Protocol	Modbus-RTU
	Baud rate	1200 / 2400 / 4800 / 9600bps(default) 19200/115200bpsbps(customizable)
Environment	Specified working temperature range	-25℃~ +55℃
	Extended working temperature range	-40℃~ +70℃
	Relative Humidity (non-condensing)	≤ 75%
	Atmosphere	86kPa ~ 106kPa
Specification	Dimension	72mm×98mm×65.5mm(allowance±1)
	Mounting type	DIN35mm(standard DIN-Rail mount)

Product certification

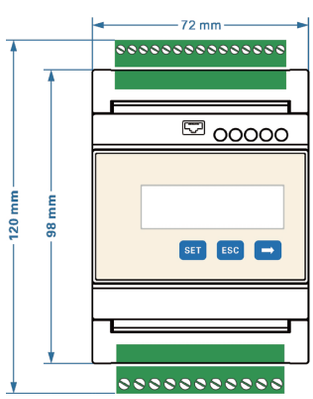
CE SGS 801681 FC RoHS

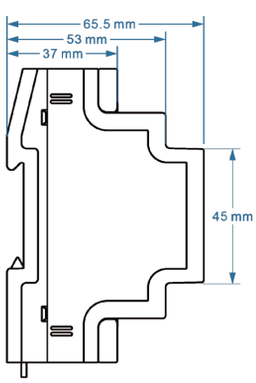
Current transformer

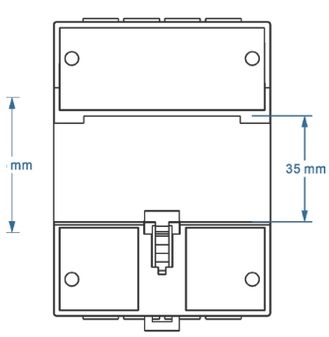


Current：100A/40mA、
Aperture：φ16mm

Dimension







Wiring diagram

Upper terminal

CT1						CT2						Communication	
I*a	Ia	I*b	Ib	I*c	Ic	N/A	N/A	N/A	N/A	N/A	N/A	A	B
1	3	4	6	7	9	31	33	34	36	37	39	RS485-A	RS485-B

Lower terminal

Voltage input			
L1	L2	L3	N
2	5	10	10

100A/40mA

