

CT 50A



Device identification [↗](#)

- Device name: **CT 50A**
- Manufacturer model: **CT313**

Short description [↗](#)

CT 50A (The Device) is a split-core current transformer for the Shelly Pro 3EM energy meter.

Features [↗](#)

- Snap-on, screwless mounting system

Connector to Shelly Pro 3EM [↗](#)

- 2-pin MX3.0-2x1Y connector

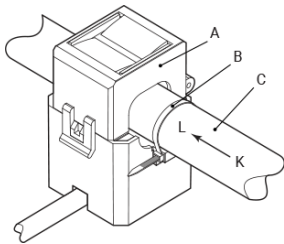
Safety features [↗](#)

- Secondary winding high voltage protection

Specifications [↗](#)

Type	Value
Physical	
Size (HxWxD):	27x27x41 ±0.5 mm (without the cable)
Weight:	49 ±1 g (with the cable)
Conductor aperture:	Ø10 mm
Core:	Ferite
Shell material:	Plastic
Color:	White
Environmental	
Ambient temperature:	-10 °C to 50 °C / 14 °F to 122 °F
Humidity:	0 % to 80 % RH
Max. altitude:	2000 m / 6562 ft
Electrical	
Primary/secondary current ratio:	3000/1
Rated max. primary current:	50 A
Electrical strength:	3000 VAC, 60 sec

Installation [↗](#)



Legend [↗](#)

A	Shelly CT 50A
B	Cable tie (another one on the opposite side)
C	Primary conductor