

Split-Core Current Transformer EG SCT-Series



Product Description

The compact split-core current transformers are perfect for applications where the disconnection of power cables is difficult or not possible. Therefore they are ideal for retrofitting existing systems.

The transformer's accuracy permits exact current measurements. All transformers are supplied with color-coded wires to reduce mistakes at the installation. Two UV-resistant wire ties are also included for secure and easy mounting.

Device Features

- up to 3000 A
- accuracy class 0.5
- Operating Temperature: -15°C bis 60°C
- Sizes from 10mm up to 76.2mm
- Rapid mounting– without disconnecting the power cables

Typical Applications

- Current measurement, monitoring and protection for electrical wiring and equipment
- Current and power measurement for electric motors, lighting, air compressor, heating and ventilation system, air-condition equipment and automation – control system
- Current, power and energy monitoring device
- Relay protection device

Technical Specification & Ordering Code

EGSCT-1A/5A Split Core Current Transformer	
Specification	
Frequency	50-60Hz
Rated Current	100A to 600A loads
Rated Output	1A / 5A (AC)
Accuracy	Class 0.5 or 1 from 20% to 120% of rated current
Phase angle	Less than 2 degrees at 50% of rated current
Insulation voltage	600Vac
Maximum primary voltage	5000Vac
Dielectric strength	2.5kV/1mA/1min
Operating temperature	-15°C to 60°C
Operating humidity	<85%
Case material	PC/UL94-V0
Bobbin	PBT
Core	Permalloy
Internal structure	Epoxy

EGSCT-333mV Split Core Current Transformer	
Specification	
Frequency	50-60Hz
Rated Current	5A to 600A loads
Rated Output	333mV/100mV (AC)
Accuracy	Class 0.5 or 1 from 20% to 120% of rated current
Phase angle	Less than 2 degrees at 50% of rated current
Insulation voltage	600Vac
Maximum primary voltage	5000Vac
Dielectric strength	2.5kV/1mA/1min
Operating temperature	-15°C to 60°C
Operating humidity	<85%
Case material	PC/UL94-V0
Bobbin	PBT
Core	Permalloy
Internal structure	Epoxy
Leads	UL 1015, Twisted Pair, 22AWG

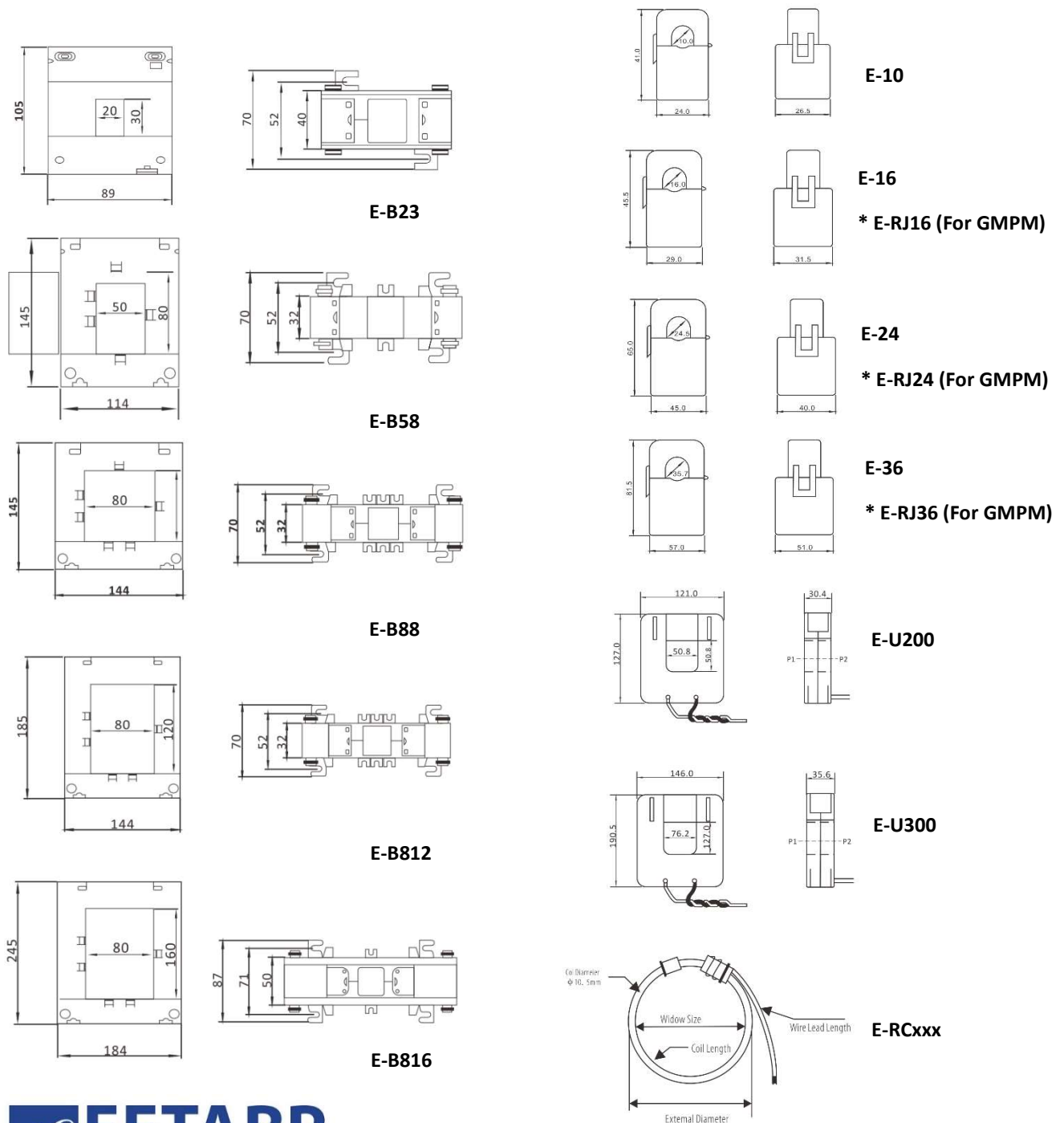
EGSCT Models		
Model	Primary Current Rating	Secondary Current Rating
E-10	5 / 10 / 20 / 50 / 75	333mV, 100mV
E-16 / E-RJ16 (GMPM)	5 / 10 / 50 / 100 / 150	333mV, 100mV
E-24 / E-RJ24 (GMPM)	10 / 50 / 100 / 250 / 300	1A or 5A (only for >200A), 333mV, 100mV
E-36 / E-RJ36 (GMPM)	20 / 100 / 250 / 400 / 600	1A or 5A (only for >200A), 333mV, 100mV
E-U200	100 / 125 / 250 / 400 / 630 / 800 / 1000 / 2000	333mV, 100mV
E-U300	400 / 800 / 1500 / 2500 / 3000	333mV, 100mV
E-B23	100 / 150 / 200 / 250 / 300 / 400	1A, 5A
E-B58	250 / 300 / 400 / 500 / 600 / 750 / 800	1A, 5A
E-B812	500 / 600 / 750 / 800 / 1000 / 1200 / 1500	1A, 5A
E-B816	1000 / 1500 / 2000 / 2500 / 3k / 4k / 5k / 6k	1A, 5A
E-RC060 / RC076 / RC100 / RC150 / RC160 / RC190 / RC200 / RC300	1k / 2k / 3k / 4k / 5k / 6k and above	85mV/ per 1000A @ 50Hz without integrator 100mV/per 1000A @ 50Hz without integrator

** Remark: EGSCT -RCxxx, xxx refer to window size of Rogowski coil, integrator required for each RC CT with art no: EGSCT-RCS-S9.1

Ordering Code

X	Model
-	
X	Primary Current rating
/	
X	Secondary current rating / 1A, 5A, 333mV
-	
X	Cable length (10m max), Not applicable for E-B23, E-B58, E-B812, E-B816

Dimensions



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