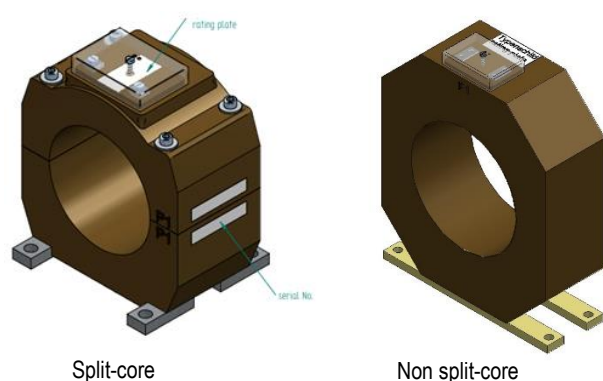


Current Transformer for Earth-fault

Earth faults may occur for a number of reasons. When an earth fault occurs, it is important to determine the direction of this earth fault, from the point at which the current is measured. To answer the question if it is upstream or downstream, the phase displacement of the current must be determined. ELEQ has a group of products that is dedicated to do this phase displacement measurement. These CTs have an accuracy class 1 F_s10, combined with a phase displacement <120Min @ 0,1-1,2xI_n. Both fixed core current transformers and split-core transformers are available.



Split-core

Non split-core

Ordering Specifications

Split-core CT	Ratio 60/1A - CI 1.2VA/1FS10;120Min.@ 0.1-1,2xI _n	
Type	Window	Article Number
GST170-B-110	110 mm	6T2060
GST200-B-140	140 mm	6T2072
GSK250-B-160	160 mm	6T3071

Non split-core CT	Ratio 60/1A - CI 1.2VA/1FS10;120Min.@ 0.1-1,2xI _n	
Type	Window	Article Number
GSA170-A-110	110 mm	6G2073
GSA200-A-120	120 mm	6G2074
GSA250-B-160	160 mm	6G3071
GSA300-B-200	200 mm	6G3072

On request ELEQ can deliver other current transformers that fit to your own specification for earth fault protection

For more detail on dimensions see :

<https://www.eleq.com/en/dimensions-gsa/>

Technical specifications

Environmental conditions

This product is designed to be safe under the following conditions:

Location:	Indoor use
Ambient air temperature:	-5°C .. +40°C, other temperatures on request
Storage and transport temperature:	-25°C .. -50°C
Relative humidity:	5% .. 95%, non condensing
Altitude:	Max. 1000m above NN; at >1000m data required
Protection degree (secondary terminal):	IP20

Application conditions

Standard:	IEC 61869-2
Rated short-time thermal current (I _{th}):	20 kA / 1 s
Rated dynamic current (I _{dyn}):	2,5 x I _{th}
Continuous thermal current (I _{cth}):	Up to 200%
Rated insulation level:	0,72/3/-kV
Rated frequency:	50/60 Hz
Class of insulation:	E
Rated primary current:	60A
Rated secondary current:	1A
Rated output:	
Accuracy class:	1,2VA - 1Fs10
Phase displacement:	< 120Min @ 0.1-1,2xI _n
Secondary terminal:	Screw terminals M5 (max. 2,5Nm)

Wiring diagram IEC 61869-2

