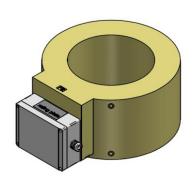


# GSRF 380 – Ring-type Current Transformer

The GSRF 380 are cast-resin insulated ring-type current transformers and can be used for measurement and protection in outdoor applications. They are suitable to put on cables or bus-bars. The outdoor ring-type current transformer can be used up to 0,72 kV, is maintenance-free and mountable in any position. In medium voltage and high voltage switchgear, an insulated conductor must be

used which suits the rated insulation levels.



### **Ordering Specifications**

For the customized design of your ELEQ GSRF 380 Current Transformer the following information is required:

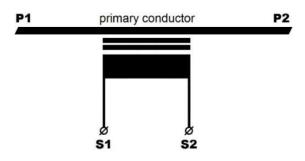
#### Mandatory

- Rated primary current
- Rated secondary current
- Rated output
- Accuracy class
- Frequency

#### Optional

- Multi-core transformers
- Other relevant requirements

## Wiring diagram IEC 61869-2 for e.g.



### **Technical Specifications**

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

Ambient air temperature:

Storage and transport temperature:

Relative humidity: Altitude:

-50°C .. +55°C

Max. 1000m above NN: at >1000m data required

Protection degree (secondary terminal): IP54

Application conditions

Standard:

IEC 61768-2 specification:

Rated short-time thermal current (Ith):

Rated dynamic current (ldyn):

Continuous thermal current (Icth): Rated insulation level: Rated frequency: Class of insulation:

Rated primary current:

Rated secondary current:

Rated output:

Accuracy class:

Inner diameter:

Secondary terminal:

Outdoor use -25°C .. +40°C; other

temperatures on request

5% .. 95%, non condensing

IEC 61869-2 / IEEE C57.13;

etc.

100 x In/1s, max. 100kA/1s,

other duration on request

2.5 x Ith Up to 200% 0,72/3/- kV 50/60Hz

100A - 5000A 1A or 5A; other options available on request

As required.

For example 10VA, 15VA

As required.

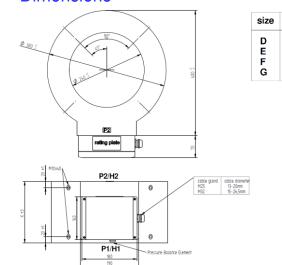
For example 0.2S, 5P20

On request

Screw terminals M5 (max.

2,5Nm)

### **Dimensions**



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X±3 150

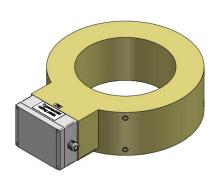
200 250 300



# GSRF 450 - Ring-type Current Transformer

The GSRF 450 are cast-resin insulated ring-type current transformers and can be used for measurement and protection in outdoor applications. They are suitable to put on cables or bus-bars. The outdoor ring-type current transformer can be used up to 0,72 kV, is maintenance-free and mountable in any position. In medium voltage and high voltage switchgear, an insulated conductor must be

used which suits the rated insulation levels.



### **Ordering Specifications**

For the customized design of your ELEQ GSRF 450 Current Transformer the following information is required:

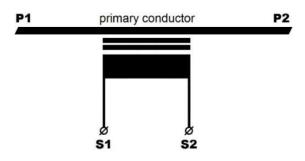
#### Mandatory

- Rated primary current
- Rated secondary current
- Rated output
- Accuracy class
- Frequency

### Optional

- Multi-core transformers
- Other relevant requirements

## Wiring diagram IEC 61869-2 for e.g.



### **Technical Specifications**

<u> </u>		
Environmental conditions		
This product is designed to be safe		
under the following conditions:		
Location:	Outdoor use	
Ambient air temperature:	-25°C +40°C; other	
	temperatures on request	
Storage and transport temperature:	-50°C +55°C	
Relative humidity:	5% 95%, non condensing	
Altitude:	Max. 1000m above NN;	
	at >1000m data required	
Protection degree (secondary terminal):	IP54	
Application conditions		
Standard:	IEC 61869-2 / IEEE C57.13;	
	etc.	
IEC 61768-2 specification:		
	100 x In/1s, max. 100kA/1s,	
Rated short-time thermal current (lth):	100 X 111/10, 1110X. 10010 V 10,	

Rated short-time thermal current (lth): other duration on request

Rated dynamic current (ldyn): 2,5 x Ith Continuous thermal current (lcth): Up to 200% 0,72/3/- kV Rated insulation level: 50/60Hz Rated frequency:

Class of insulation: 100A - 8000A Rated primary current:

Rated secondary current: 1A or 5A; other options available on request

As required. Rated output:

For example 10VA, 15VA

As required. Accuracy class:

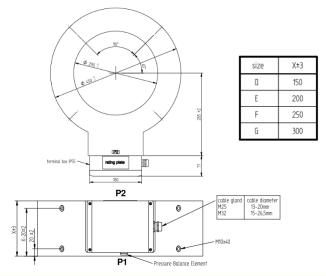
For example 0,2S, 5P20

On request Inner diameter:

Screw terminals M5 (max. Secondary terminal:

2,5Nm)

### **Dimensions**

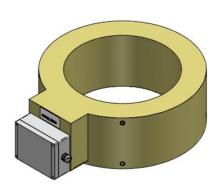




# GSRF 540 - Ring-type Current Transformer

The GSRF 540 are cast-resin insulated ring-type current transformers and can be used for measurement and protection in outdoor applications. They are suitable to put on cables or bus-bars. The outdoor ring-type current transformer can be used up to 0,72 kV, is maintenance-free and mountable in any position. In medium voltage and high voltage switchgear, an insulated conductor must be

used which suits the rated insulation levels.



### **Ordering Specifications**

For the customized design of your ELEQ GSRF 540 Current Transformer the following information is required:

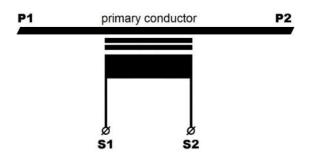
#### Mandatory

- Rated primary current
- Rated secondary current
- Rated output
- Accuracy class
- Frequency

### **Optional**

- Multi-core transformers
- Other relevant requirements

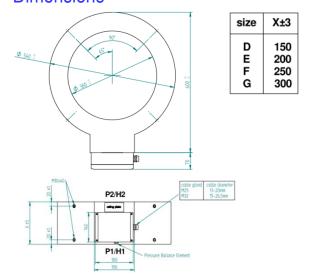
## Wiring diagram IEC 61869-2 for e.g.



# **Technical Specifications**

Environmental conditions This product is designed to be safe under the following conditions: Location: Ambient air temperature:	Outdoor use -25°C +40°C; other
under the following conditions: Location: Ambient air temperature:	-25°C +40°C; other
Location: Ambient air temperature:	-25°C +40°C; other
Ambient air temperature:	-25°C +40°C; other
•	
Ctorage and transport towns rations	tomporatures on request
Ctarage and transport tomporative	temperatures on request
Storage and transport temperature:	-50°C +55°C
Relative humidity:	5% 95%, non condensing
Altitude:	Max. 1000m above NN;
	at >1000m data required
Protection degree (secondary terminal):	IP54
Application conditions	
Standard:	IEC 61869-2 / IEEE C57.13;
	etc.
IEC 61768-2 specification:	
Rated short-time thermal current (lth):	100 x In/1s, max. 100kA/1s,
	other duration on request
	2,5 x lth
` '	Up to 200%
Rated insulation level:	0,72/3/- kV
Rated frequency:	50/60Hz
Class of insulation:	Е
Rated primary current:	100A - 15000A
Rated secondary current:	1A or 5A; other options
	available on request
Rated output:	As required.
	For example 10VA, 15VA
Accuracy class:	As required.
	For example 0,2S, 5P20
Inner diameter:	On request
Secondary terminal:	Screw terminals M5 (max.
	Altitude: Protection degree (secondary terminal): Application conditions Standard: IEC 61768-2 specification: Rated short-time thermal current (lth): Rated dynamic current (ldyn): Continuous thermal current (lcth): Rated insulation level: Rated frequency: Class of insulation: Rated primary current: Rated secondary current: Rated output: Accuracy class: Inner diameter:

### **Dimensions**



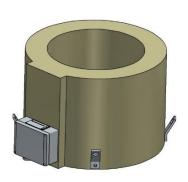
2,5Nm)



# GSRF 570 - Ring-type Current Transformer

The GSRF 570 are cast-resin insulated ring-type current transformers and can be used for measurement and protection in outdoor applications. They are suitable to put on cables or bus-bars. The outdoor ring-type current transformer can be used up to 0,72 kV, is maintenance-free and mountable in any position. In medium voltage and high voltage switchgear, an insulated conductor must be

used which suits the rated insulation levels.



### **Ordering Specifications**

For the customized design of your ELEQ GSRF 570 Current Transformer the following information is required:

#### Mandatory

- Rated primary current
- Rated secondary current
- Rated output
- Accuracy class
- Frequency

### Optional

- Multi-core transformers
- Other relevant requirements

### **Technical Specifications**

Environmental conditions

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

Location:

Ambient air temperature:

-25°C .. +40°C; other temperatures on request

Outdoor use

-50°C .. +55°C Storage and transport temperature:

Relative humidity:

Altitude:

5% .. 95%, non condensing

Max. 1000m above NN; at >1000m data required

Protection degree (secondary terminal):

Application conditions

Standard:

IEC 61869-2 / IEEE C57.13;

100 x In/1s, max. 100kA/1s,

IEC 61768-2 specification:

Rated short-time thermal current (Ith):

other duration on request Up to 200%

Rated dynamic current (ldyn): Continuous thermal current (lcth): Rated insulation level: Rated frequency:

0,72/3/- kV 50/60Hz

Class of insulation: Rated primary current:

100A - 5000A

1A or 5A: other options Rated secondary current: available on request

Rated output:

As required.

For example 10VA, 15VA As required.

Accuracy class:

For example 0,2S, 5P20

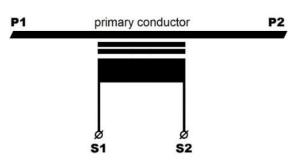
Inner diameter: On request

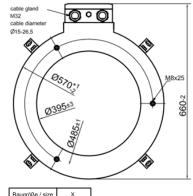
Screw terminals M5 (max. Secondary terminal:

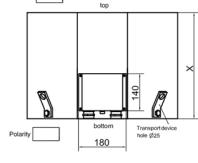
2,5Nm)

### **Dimensions**

# Wiring diagram IEC 61869-2 for e.g.







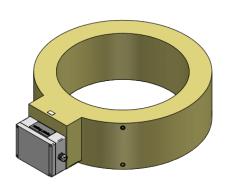
Baugröße / size 200 250 300 350



# GSRF 630 - Ring-type Current Transformer

The GSRF 630 are cast-resin insulated ring-type current transformers and can be used for measurement and protection in outdoor applications. They are suitable to put on cables or bus-bars. The outdoor ring-type current transformer can be used up to 0,72 kV, is maintenance-free and mountable in any position. In medium voltage and high voltage switchgear, an insulated conductor must be

used which suits the rated insulation levels.



### **Ordering Specifications**

For the customized design of your ELEQ GSRF 630 Current Transformer the following information is required:

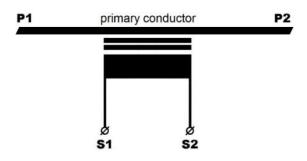
#### Mandatory

- Rated primary current
- Rated secondary current
- Rated output
- Accuracy class
- Frequency

### **Optional**

- Multi-core transformers
- Other relevant requirements

## Wiring diagram IEC 61869-2 for e.g.



### **Technical Specifications**

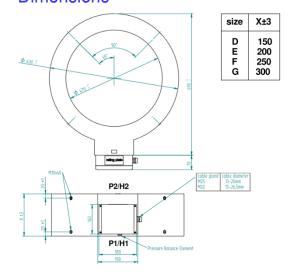
Environmental conditions	
This product is designed to be safe under the following conditions:	
Location:	Outdoor use
Ambient air temperature:	-25°C +40°C; other
·	temperatures on request
Storage and transport temperature:	-50°C +55°C
Relative humidity:	5% 95%, non condensing
Altitude:	Max. 1000m above NN;
	at >1000m data required
Protection degree (secondary terminal):	IP54
Application conditions	
Standard:	IEC 61869-2 / IEEE C57.13;
	etc.
IEC 61768-2 specification:	
Rated short-time thermal current (Ith):	100 x In/1s, max. 100kA/1s,
5 ( ) ( )	other duration on request
Rated dynamic current (ldyn):	2,5 x lth
Continuous thermal current (lcth):	Up to 200%
Rated insulation level:	0,72/3/- kV
Rated frequency:	50/60Hz
Class of insulation:	E
Rated primary current:	100A - 15000A
Rated secondary current:	1A or 5A; other options
Data disentent	available on request
Rated output:	As required.
A	For example 10VA, 15VA
Accuracy class:	As required.
land and disposition	For example 0,2S, 5P20
Inner diameter:	On request

Screw terminals M5 (max.

2,5Nm)

### **Dimensions**

Secondary terminal:

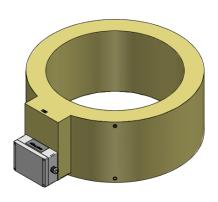




# GSRF 720 - Ring-type Current Transformer

The GSRF 720 are cast-resin insulated ring-type current transformers and can be used for measurement and protection in outdoor applications. They are suitable to put on cables or bus-bars. The outdoor ring-type current transformer can be used up to 0,72 kV, is maintenance-free and mountable in any position. In medium voltage and high voltage switchgear, an insulated conductor must be

used which suits the rated insulation levels.



### **Ordering Specifications**

For the customized design of your ELEQ GSRF 720 Current Transformer the following information is required:

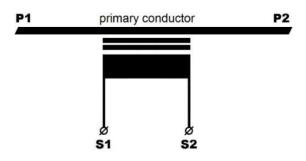
#### Mandatory

- Rated primary current
- Rated secondary current
- Rated output
- Accuracy class
- Frequency

#### Optional

- Multi-core transformers
- Other relevant requirements

## Wiring diagram IEC 61869-2 for e.g.



### **Technical Specifications**

Environmental conditions	
This product is designed to be safe	
under the following conditions:	
Location:	Outdoor use
Ambient air temperature:	-25°C +40°C; other
	temperatures on request
Storage and transport temperature:	-50°C +55°C
Relative humidity:	5% 95%, non condensing
Altitude:	Max. 1000m above NN;
	at >1000m data required
Protection degree (secondary terminal):	IP54
Application conditions	
Standard:	IEC 61869-2 / IEEE C57.13;
	etc.
IEC 61768-2 specification:	

Rated short-time thermal current (Ith):

Rated dynamic current (ldyn): Continuous thermal current (Icth): Rated insulation level: Rated frequency:

Class of insulation: Rated primary current:

Rated secondary current:

Rated output:

Accuracy class:

Inner diameter: Secondary terminal: Up to 200% 0,72/3/- kV 50/60Hz 100A - 15000A

2,5 x Ith

1A or 5A; other options available on request As required.

100 x In/1s, max. 100kA/1s,

other duration on request

For example 10VA, 15VA

As required.

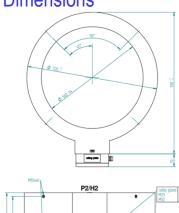
For example 0.2S, 5P20

On request

Screw terminals M5 (max.

2,5Nm)

### **Dimensions**



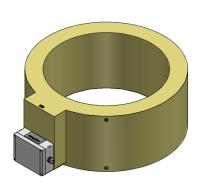
size	X±5
D	150
E	200
F	250
G	300



# GSRF 810 – Ring-type Current Transformer

The GSRF 810 are cast-resin insulated ring-type current transformers and can be used for measurement and protection in outdoor applications. They are suitable to put on cables or bus-bars. The outdoor ring-type current transformer can be used up to 0,72 kV, is maintenance-free and mountable in any position. In medium voltage and high voltage switchgear, an insulated conductor must be

used which suits the rated insulation levels.



### **Ordering Specifications**

For the customized design of your ELEQ GSRF 810 Current Transformer the following information is required:

#### Mandatory

- Rated primary current
- Rated secondary current
- Rated output
- Accuracy class
- Frequency

### Optional

- Multi-core transformers
- Other relevant requirements

# **Technical Specifications**

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

Location:

Ambient air temperature:

Storage and transport temperature:

Relative humidity: Altitude:

Outdoor use -25°C .. +40°C; other

temperatures on request -50°C .. +55°C

5% .. 95%, non condensing

Max. 1000m above NN: at >1000m data required

Protection degree (secondary terminal): IP54

Application conditions

Standard:

IEC 61869-2 / IEEE C57.13;

etc.

IEC 61768-2 specification:

Rated short-time thermal current (Ith):

Rated dynamic current (ldyn): Continuous thermal current (Icth):

Rated insulation level: Rated frequency:

Class of insulation:

Rated primary current: Rated secondary current:

Rated output:

Accuracy class:

Inner diameter:

Secondary terminal:

100 x In/1s, max. 100kA/1s,

other duration on request 2.5 x Ith

Up to 200% 0,72/3/- kV 50/60Hz

100A - 15000A 1A or 5A; other options available on request

As required.

For example 10VA, 15VA

As required.

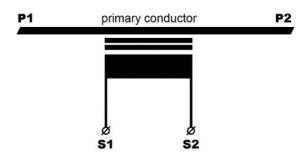
For example 0.2S, 5P20 On request

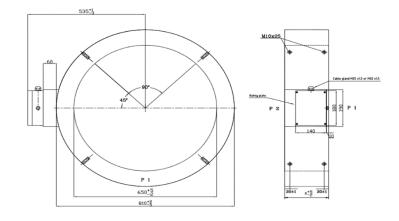
Screw terminals M5 (max.

2,5Nm)

### **Dimensions**

# Wiring diagram IEC 61869-2 for e.g.



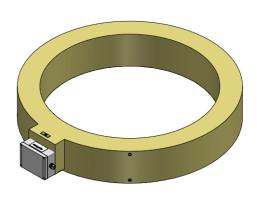




# GSRF 880 - Ring-type Current Transformer

The GSRF 880 are cast-resin insulated ring-type current transformers and can be used for measurement and protection in outdoor applications. They are suitable to put on cables or bus-bars. The outdoor ring-type current transformer can be used up to 0,72 kV, is maintenance-free and mountable in any position. In medium voltage and high voltage switchgear, an insulated conductor must be

used which suits the rated insulation levels.



### **Ordering Specifications**

For the customized design of your ELEQ GSRF 880 Current Transformer the following information is required:

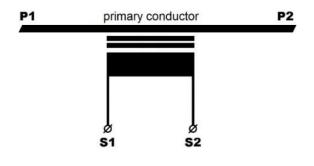
#### Mandatory

- Rated primary current
- Rated secondary current
- Rated output
- Accuracy class
- Frequency

### Optional

- Multi-core transformers
- Other relevant requirements

## Wiring diagram IEC 61869-2 for e.g.



### **Technical Specifications**

Environmental conditions This product is designed to be safe

under the following conditions:

Location:

Ambient air temperature:

Storage and transport temperature:

Relative humidity:

Altitude:

Outdoor use

-25°C .. +40°C; other temperatures on request

-50°C .. +55°C

5% .. 95%, non condensing

Max. 1000m above NN: at >1000m data required

Protection degree (secondary terminal): IP54

Application conditions

Standard:

IEC 61768-2 specification:

Rated short-time thermal current (Ith):

Rated dynamic current (ldyn):

Continuous thermal current (lcth):

Rated insulation level: Rated frequency:

Class of insulation:

Rated primary current:

Rated secondary current:

Rated output:

Accuracy class:

Inner diameter: Secondary terminal:

IEC 61869-2 / IEEE C57.13; etc.

100 x In/1s, max. 100kA/1s,

other duration on request 2.5 x Ith

Up to 200% 0,72/3/- kV 50/60Hz

100A - 15000A

1A or 5A; other options available on request

As required.

For example 10VA, 15VA

As required.

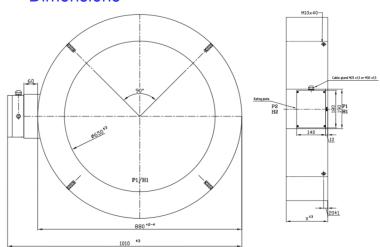
For example 0.2S, 5P20

On request

Screw terminals M5 (max.

2,5Nm)

### **Dimensions**



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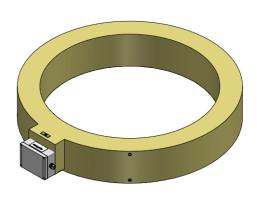
■ +31 (0) 521 533 333 ■ info@eleg.com ■ www.eleg.com



# GSRF 1080 - Ring-type Current Transformer

The GSRF 1080 are cast-resin insulated ring-type current transformers and can be used for measurement and protection in outdoor applications. They are suitable to put on cables or bus-bars. The outdoor ring-type current transformer can be used up to 0,72 kV, is maintenance-free and mountable in any position. In medium voltage and high voltage switchgear, an insulated conductor must be

used which suits the rated insulation levels.



### **Ordering Specifications**

For the customized design of your ELEQ GSRF 1080 Current Transformer the following information is required:

#### Mandatory

- Rated primary current
- Rated secondary current
- Rated output
- Accuracy class
- Frequency

### Optional

- Multi-core transformers
- Other relevant requirements

### **Technical Specifications**

Environmental conditions

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

Location:

Ambient air temperature:

-25°C .. +40°C; other temperatures on request

Outdoor use

Storage and transport temperature:

Relative humidity:

Altitude:

-50°C .. +55°C 5% .. 95%, non condensing

Max. 1000m above NN: at >1000m data required

Protection degree (secondary terminal): IP54

Application conditions

Standard:

IEC 61869-2 / IEEE C57.13;

etc.

IEC 61768-2 specification:

Rated short-time thermal current (Ith):

other duration on request

Rated dynamic current (ldyn):

Continuous thermal current (Icth):

Rated insulation level: Rated frequency:

Class of insulation:

Rated primary current:

Rated secondary current:

Rated output:

Accuracy class:

Inner diameter: Secondary terminal: 100 x In/1s, max. 100kA/1s,

2.5 x Ith

Up to 200% 0,72/3/- kV 50/60Hz

100A - 30000A

1A or 5A; other options available on request

For example 10VA, 15VA

As required.

As required.

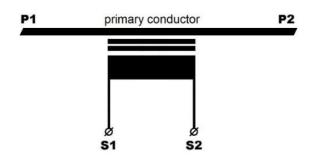
For example 0.2S, 5P20

On request

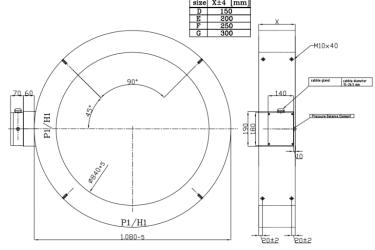
Screw terminals M5 (max.

2,5Nm)

# Wiring diagram IEC 61869-2 for e.g.



### **Dimensions**



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