# FANINA

on the market since 1959


# LOW VOLTAGE CURRENT TRANSFORMERS

JULY 2019

We are pleased to present our company, established in 1959.
Our manufacturing offer includes products for the railway, hydraulic and electrical engineering sectors.
The company's products have been known in the Polish market, as well as in the markets of many European countries for many years.

Below, you can find a brief summary of our product range.

**POWER SECTOR:**

- Low voltage current transformers, classes 0,5; 0,5S; 0,2; 0,2S,
- Interlocks and electromagnetic locks for the power sector.

**RAILWAY SECTOR:**

- electrical heating couplers for coaches and locomotives,
- solenoids for coach door locks and turnout control,
- coils and valves used in rolling stocks,
- pantograph bows,
- spare parts, regeneration and modernization of Scharfenberg couplers,
- isolation transformers for the power supply of EOR (railroad turnout electrical heating) devices.

**INDUSTRIAL SECTOR:**

- solenoids for hydraulic and pneumatic distributors,
- ATEX-compliant solenoids for gas valves,
- Ex-proof solenoids and coils for explosive zones,
- solenoid coils,
- interlocks and electromagnetic locks,
- power connectors for electromagnets (plugs and sockets),
- steel structured cable guides (layers),
- electromagnetic separators,
- welding and heat treatment services.

We also recommend other products, custom made for the Clients. We offer cooperation in the field of manufacturing, including the engineering and production implementation of completely new solutions.

Due to the constant striving after enhancing our offer, the appearance and parameters of certain products may differ from those shown in this portfolio. It is not possible to fit all the products into it.
You can obtain up to date information from our Sales Office:

Zarządzanie Jakością ISO 9001 DEKRA certyfikat

*Contact information:*
**F.A.E. FANINA S.A.**
**37-700 Przemyśl ul. Jasińskiego 18**
**e-mail: info@fanina.pl**
**tel. +48 16 676 56 00**
**fax +48 16 676 56 15**

# LOW VOLTAGE CURRENT TRANSFORMERS

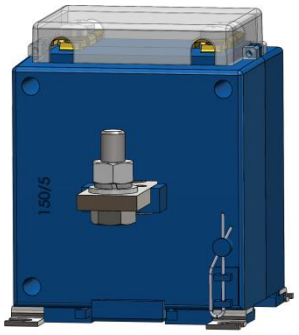
## IWF (with a 20x5 bus)

### CONSTRUCTION AND APPLICATION:

The IWF transformers are made as single-phase, low voltage, indoor, dry transformers on a ring core, intended to supply measuring instruments with the maximum permissible operating voltage below 0.72 kV and a frequency of 50 Hz. The IWF transformers are designed to be mounted on a current circuit bus through primary terminals of the 20x5* transformer. In addition, they can be installed on a TS 35 - 35x7.5 mounting rail (as per EN 50022, BS 5584 or DIN 46277-3) or fixed to the ground via sleeve joints with Ø 5.4 openings, which are provided as part of the transformer delivery.

***The CTs meet the requirements of standards: PN-EN 61869-1:2009 and PN-EN 61869-2:2013-06.***

All current transformers manufactured by F.A.E. „FANINA" S.A. are calibrated by the company laboratory, and the calibration costs are included in the price of the product. Additionally, at the Client's request, we provide current transformers calibrated by the Regional Weights and Measures Office or calibrated by the accredited PCA laboratory (extra charge).




### TECHNICAL DATA:

Rated frequency f = 50 Hz
Maximum permissible voltage of the device $U_m$ = 0.72 kV
Rated test voltage with a power-line frequency: 3 kV
Insulation class: B
Extended current range: 120%
Rated short-term thermal current $I_{th} = 60 \times I_{pr}$
Rated dynamic current $I_{dyn} = 2{,}5 \times I_{th}$
Casing: HB glass fibre reinforced self-extinguishing polyamide (acc. to UL-94)
Operating temperature: -35 ÷ + 55°C
Degree of protection: IP 20, IK07

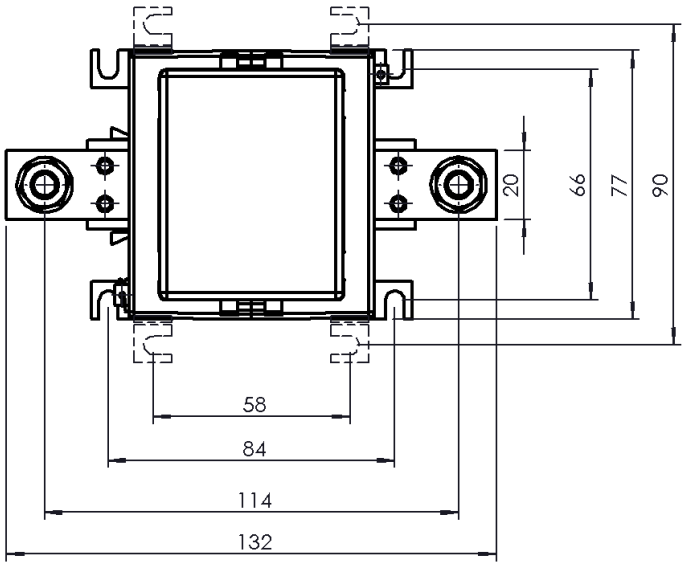
| Current | class 0,5 | | class 0,2 | | class 0,5S | | class 0,2S | |
|---|---|---|---|---|---|---|---|---|
| $I_{pr}/I_{sr}$ | Power Sr | FS | Power Sr | FS | Power Sr | FS | Power Sr | FS |
| A/A | (VA) | - | (VA) | - | (VA) | - | (VA) | - |
| 25/5 | 2,5; 5 | 5 | - | - | - | - | - | - |
| 30/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 50/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 60/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 75/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 100/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 125/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 150/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 200/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 250/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 300/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 400/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |

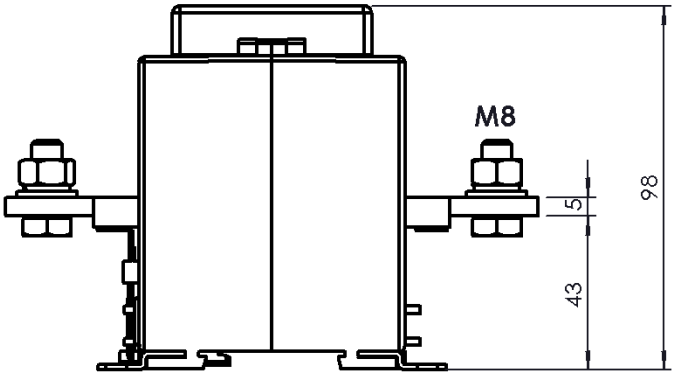
** The IWF 400/5A transfer has a 20x7 [mm] primary terminal*

CE
Product in conformance with the provisions of directive:
– LVD 2014/35/UE for executions exceeding 50VAC

### ORDERING EXAMPLE:

IWF 100/5A; 5VA current transformer, class 0,5.



# LOW VOLTAGE CURRENT TRANSFORMERS

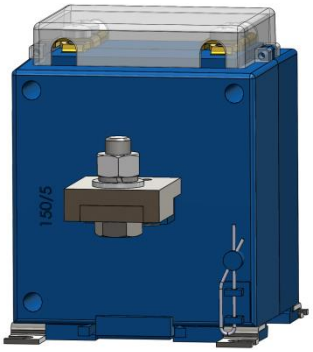
## IWF (with a 30x10 bus)

### CONSTRUCTION AND APPLICATION:

The IWF transformers are made as single-phase, low voltage, indoor, dry transformers on a ring core, intended to supply measuring instruments with the maximum permissible operating voltage below 0.72 kV and a frequency of 50 Hz. The IWF transformers are designed to be mounted on a current circuit bus through primary terminals of the 20x5* transformer. In addition, they can be installed on a TS 35 - 35x7.5 mounting rail (as per EN 50022, BS 5584 or DIN 46277-3) or fixed to the ground via sleeve joints with Ø 5.4 openings, which are provided as part of the transformer delivery.

***The CTs meet the requirements of standards: PN-EN 61869-1:2009 and PN-EN 61869-2:2013-06.***

All current transformers manufactured by F.A.E. „FANINA" S.A. are calibrated by the company laboratory, and the calibration costs are included in the price of the product. Additionally, at the Client's request, we provide current transformers calibrated by the Regional Weights and Measures or calibrated by the accredited PCA laboratory (extra charge).




### TECHNICAL DATA:

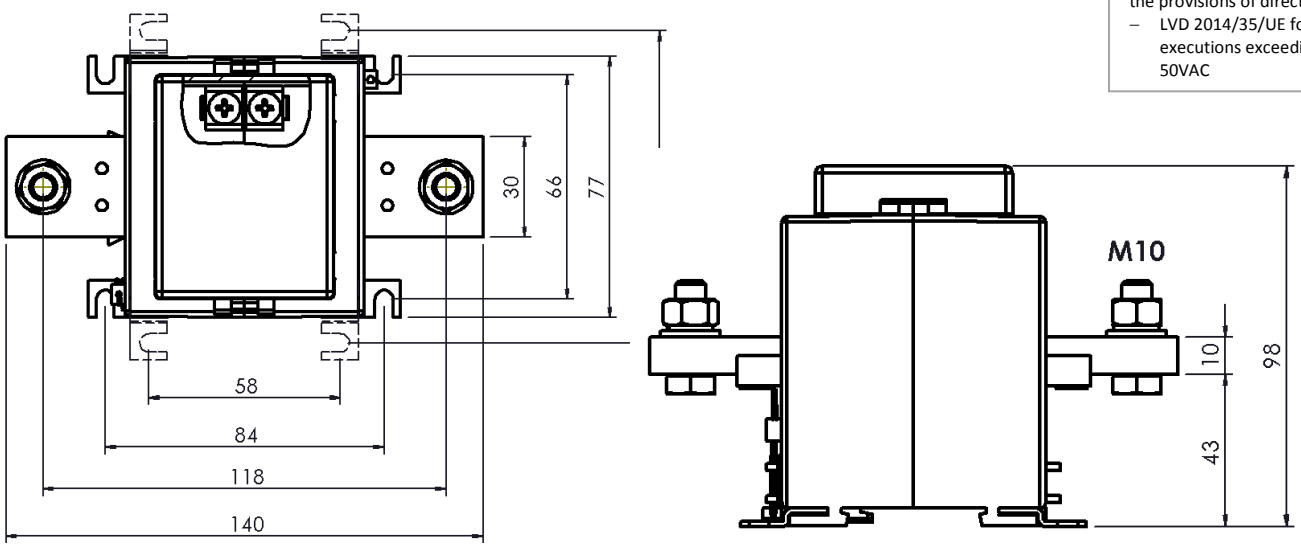
Rated frequency f = 50 Hz
Maximum permissible voltage of the device $U_m$ = 0.72 kV
Rated test voltage with a power-line frequency: 3 kV
Insulation class: B
Extended current range: 120%
Rated short-term thermal current $I_{th}$ = 60 x $I_{pr}$
Rated dynamic current $I_{dyn}$ = 2,5 x $I_{th}$
Casing: HB glass fibre reinforced self-extinguishing polyamide (acc. to UL-94)
Operating temperature: -35 ÷ + 55°C
Degree of protection: IP 20, IK07

| Current $I_{pr}/I_{sr}$ | class 0,5 | | class 0,2 | | class 0,5S | | class 0,2S | |
|---|---|---|---|---|---|---|---|---|
| | Power Sr | FS | Power Sr | FS | Power Sr | FS | Power Sr | FS |
| A/A | (VA) | - | (VA) | - | (VA) | - | (VA) | - |
| 30/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 50/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 75/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 100/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 125/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 150/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 200/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 250/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 300/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 400/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 500/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 600/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |

### ORDERING EXAMPLE:

IWF 100/5A; 5VA current transformer, class 0,5.

CE
Product in conformance with the provisions of directive:
– LVD 2014/35/UE for executions exceeding 50VAC



## LOW VOLTAGE CURRENT TRANSFORMERS

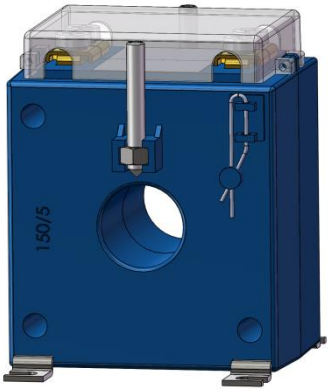
# ISS-1-20

### CONSTRUCTION AND APPLICATION:

The ISS-1-20 transformers are made as single-phase, low voltage, indoor, dry transformers on a ring core, intended to supply measuring instruments with the maximum permissible operating voltage below 0.72 kV and a frequency of 50 Hz. ISS-1-20 current transformers are designed for application on a 20x10 mm current circuit rail or a max. Ø 23mm cable. They are mounted directly on the current circuit, which constitutes the primary winding and are fixed by the screws contacting the conductor rail. In addition, they can be installed on a TS 35 - 35x7.5 mounting rail (as per EN 50022, BS 5584 or DIN 46277-3) with separately sold adapter or fixed to the ground via sleeve joints with Ø 5.4 openings, which are provided as part of the transformer delivery.

***The CTs meet the requirements of standards: PN-EN 61869-1:2009 and PN-EN 61869-2:2013-06.***

All current transformers manufactured by F.A.E. „FANINA" S.A. are calibrated by the company laboratory, and the calibration costs are included in the price of the product. Additionally, at the Client's request, we provide current transformers calibrated by the Regional Weights and Measures Office or calibrated by the accredited PCA laboratory (extra charge).




### TECHNICAL DATA:

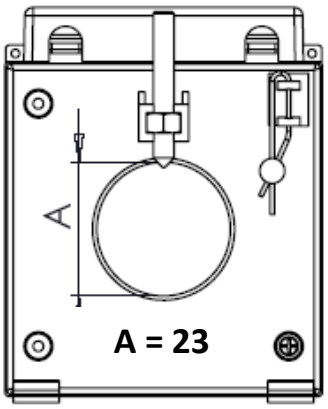
Rated frequency f = 50 Hz
Maximum permissible voltage of the device $U_m$ = 0.72 kV
Rated test voltage with a power-line frequency: 3 kV
Insulation class: B
Extended current range: 120%
Rated short-term thermal current $I_{th}$ = 60 x $I_{pr}$
Rated dynamic current $I_{dyn}$ = 2,5 x $I_{th}$
Casing: HB glass fibre reinforced self-extinguishing polyamide (acc. to UL-94)
Operating temperature: -35 ÷ + 55°C
Degree of protection: IP20, IK07

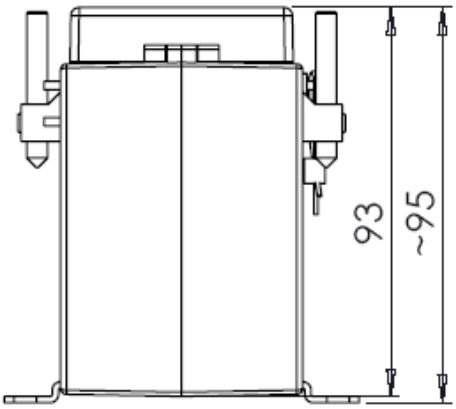
| Current | class 0,5 | | class 0,2 | | class 0,5S | | class 0,2S | |
|---|---|---|---|---|---|---|---|---|
| $I_{pr}/I_{sr}$ | Power Sr | FS | Power Sr | FS | Power Sr | FS | Power Sr | FS |
| A/A | (VA) | - | (VA) | - | (VA) | - | (VA) | - |
| 125/5 | 2,5; 5 | 5 | - | - | - | - | 2,5; 5 | 5 |
| 150/5 | 2,5; 5 | 5 | - | - | - | - | 2,5; 5 | 5 |
| 200/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5 | 5 | - | - |
| 250/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | - | - |

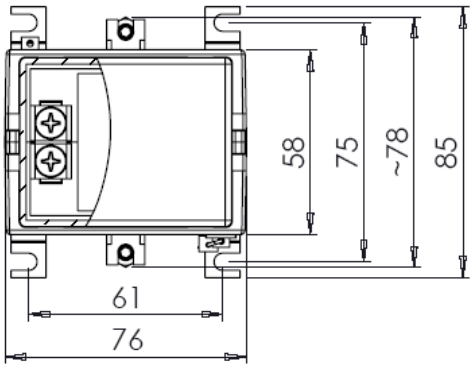
### ORDERING EXAMPLE:

ISS-1-20 250/5A; 5VA current transformer, class 0,5S, Regional Weights and Measures (OUM) calibration.

CE
Product in conformance with the provisions of directive:
– LVD 2014/35/UE for executions exceeding 50VAC



## LOW VOLTAGE CURRENT TRANSFORMERS

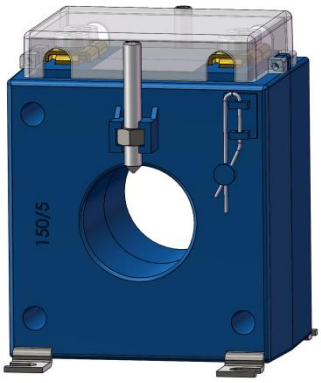
# ISS-1-30

### CONSTRUCTION AND APPLICATION:

The ISS-1-30 transformers are made as single-phase, low voltage, indoor, dry transformers on a ring core, intended to supply measuring instruments with the maximum permissible operating voltage below 0.72 kV and a frequency of 50 Hz. ISS-1-30 current transformers are designed for application on a 30x10 mm current circuit rail or a max. Ø 32mm cable. They are mounted directly on the current circuit, which constitutes the primary winding and are fixed by the screws contacting the conductor rail. In addition, they can be installed on a TS 35 - 35x7.5 mounting rail (as per EN 50022, BS 5584 or DIN 46277-3) with separately sold adapter or fixed to the ground via sleeve joints with Ø 5.4 openings, which are provided as part of the transformer delivery.

***The CTs meet the requirements of standards: PN-EN 61869-1:2009 and PN-EN 61869-2:2013-06.***

All current transformers manufactured by F.A.E. „FANINA" S.A. are calibrated by the company laboratory, and the calibration costs are included in the price of the product. Additionally, at the Client's request, we provide current transformers calibrated by the Regional Weights and Measures Office or calibrated by the accredited PCA laboratory (extra charge).




### TECHNICAL DATA:

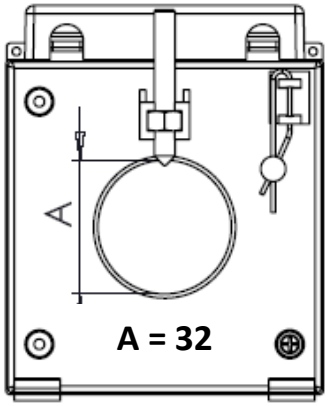
Rated frequency f = 50 Hz
Maximum permissible voltage of the device $U_m$ = 0.72 kV
Rated test voltage with a power-line frequency: 3 kV
Insulation class: B
Extended current range: 120%
Rated short-term thermal current $I_{th} = 60 \times I_{pr}$
Rated dynamic current $I_{dyn} = 2,5 \times I_{th}$
Casing: HB glass fibre reinforced self-extinguishing polyamide (acc. to UL-94)
Operating temperature: -35 ÷ + 55°C
Degree of protection: IP20, IK07

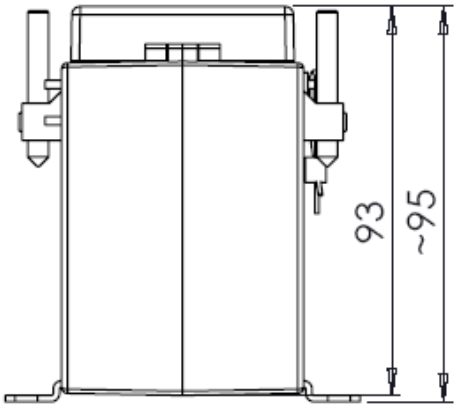
| Current $I_{pr}/I_{sr}$ | class 0,5 | | class 0,2 | | class 0,5S | | class 0,2S | |
|---|---|---|---|---|---|---|---|---|
| | Power Sr | FS | Power Sr | FS | Power Sr | FS | Power Sr | FS |
| A/A | (VA) | - | (VA) | - | (VA) | - | (VA) | - |
| 75/5 | 2,5 | 5 | - | - | 2,5 | 5 | - | - |
| 100/5 | 2,5; 5 | 5 | 2,5 | 5 | 2,5; 5 | 5 | 2,5 | 5 |
| 125/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5 | 5 |
| 150/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 200/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 250/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 300/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 400/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 500/5 | 2,5; 5; 10 | 5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 600/5 | 2,5; 5; 10 | 5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |

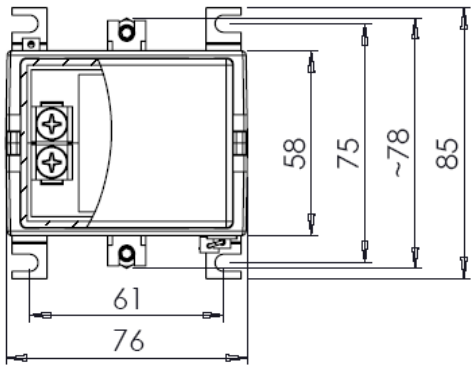
### ORDERING EXAMPLE:

ISS-1-30 600/5A; 2,5VA current transformer, class 0,2S.

CE
Product in conformance with the provisions of directive:
– LVD 2014/35/UE for executions exceeding 50VAC



## LOW VOLTAGE CURRENT TRANSFORMERS

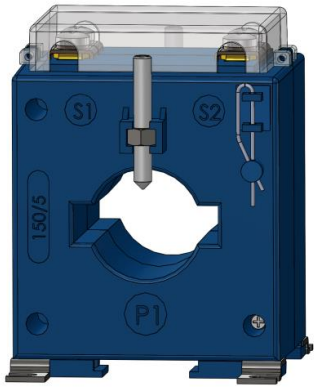
# ISS-1-40

### CONSTRUCTION AND APPLICATION:

The ISS-1-30 transformers are made as single-phase, low voltage, indoor, dry transformers on a ring core, intended to supply measuring instruments with the maximum permissible operating voltage below 0.72 kV and a frequency of 50 Hz. ISS-1-30 current transformers are designed for application on a 40x10 mm current circuit rail or a max. Ø 30mm cable. They are mounted directly on the current circuit, which constitutes the primary winding and are fixed by the screws contacting the conductor rail. In addition, they can be installed on a TS 35 - 35x7.5 mounting rail (as per EN 50022, BS 5584 or DIN 46277-3) with separately sold adapter or fixed to the ground via sleeve joints with Ø 5.4 openings, which are provided as part of the transformer delivery. They have permanent terminal and rated ratio designations.

***The CTs meet the requirements of standards: PN-EN 61869-1:2009 and PN-EN 61869-2:2013-06.***

All current transformers manufactured by F.A.E. „FANINA" S.A. are calibrated by the company laboratory, and the calibration costs are included in the price of the product. Additionally, at the Client's request, we provide current transformers calibrated by the Regional Weights and Measures Office or calibrated by the accredited PCA laboratory (extra charge).




### TECHNICAL DATA:

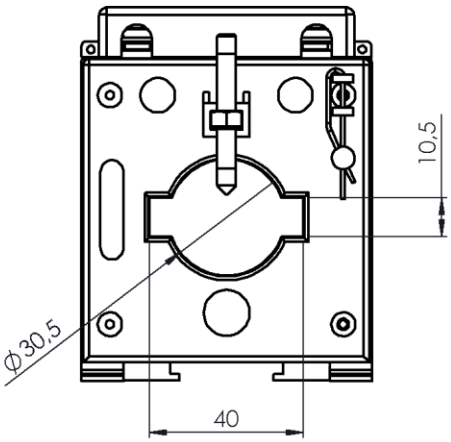
Rated frequency f = 50 Hz
Maximum permissible voltage of the device $U_m$ = 0.72 kV
Rated test voltage with a power-line frequency: 3 kV
Insulation class: B
Extended current range: 120%
Rated short-term thermal current $I_{th}$ = 60 x $I_{pr}$
Rated dynamic current $I_{dyn}$ = 2,5 x $I_{th}$
Casing: HB glass fibre reinforced self-extinguishing polyamide (acc. to UL-94)
Operating temperature: -35 ÷ + 55°C
Degree of protection: IP 20, IK07

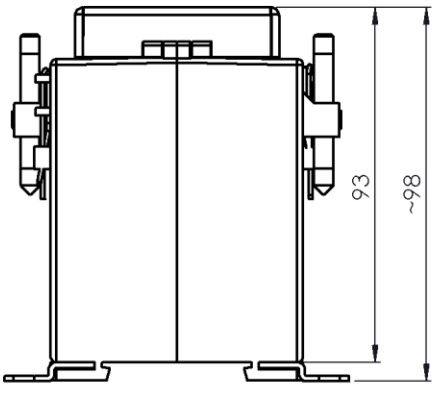
| Current $I_{pr}/I_{sr}$ | class 0,5 | | class 0,2 | | class 0,5S | | class 0,2S | |
|---|---|---|---|---|---|---|---|---|
| | Power Sr | FS | Power Sr | FS | Power Sr | FS | Power Sr | FS |
| A/A | (VA) | - | (VA) | - | (VA) | - | (VA) | - |
| 125/5 | 2,5 | 5 | - | - | 2,5 | 5 | - | - |
| 150/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 200/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 250/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 300/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 400/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 500/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 600/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 750/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 800/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 1000/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |

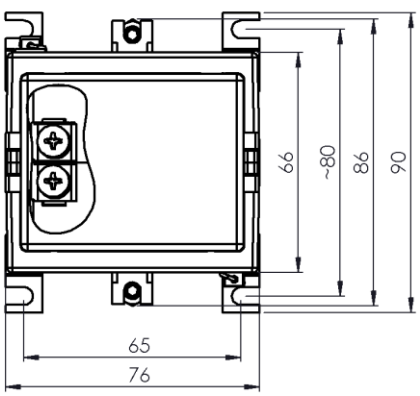
### ORDERING EXAMPLE:

ISS-1-40 1000/5A; 5VA current transformer, class 0,2S.

CE
Product in conformance with the provisions of directive:
– LVD 2014/35/UE for executions exceeding 50VAC



## LOW VOLTAGE CURRENT TRANSFORMERS

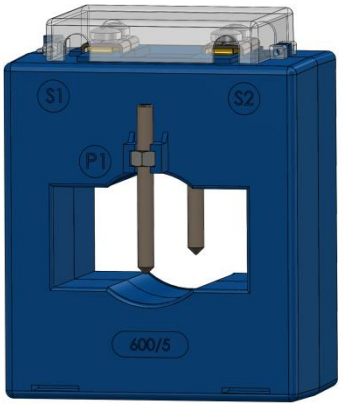
# ISS-1-603

### CONSTRUCTION AND APPLICATION:

The ISS-1-603 transformers are made as single-phase, low voltage, indoor, dry transformers on a ring core, intended to supply measuring instruments with the maximum permissible operating voltage below 0.72 kV and a frequency of 50 Hz. ISS-1-30 current transformers are designed for application on a 60x10 mm (max. 60x30mm) current circuit rail or a max. Ø 41mm cable. They are mounted directly on the current circuit, which constitutes the primary winding and are fixed by the screws contacting the conductor rail. They have permanent terminal and rated ratio designations.

***The CTs meet the requirements of standards: PN-EN 61869-1:2009 and PN-EN 61869-2:2013-06.***

All current transformers manufactured by F.A.E. „FANINA" S.A. are calibrated by the company laboratory, and the calibration costs are included in the price of the product. Additionally, at the Client's request, we provide current transformers calibrated by the Regional Weights and Measures Office or calibrated by the accredited PCA laboratory (extra charge).




### TECHNICAL DATA:

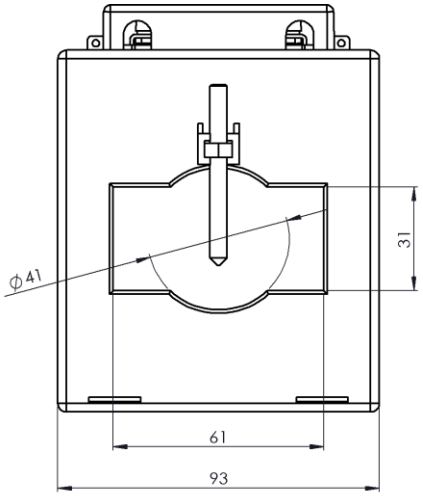
Rated frequency f = 50 Hz
Maximum permissible voltage of the device $U_m$ = 0.72 kV
Rated test voltage with a power-line frequency: 3 kV
Insulation class: B
Extended current range: 120%
Rated short-term thermal current $I_{th} = 60 \times I_{pr}$
Rated dynamic current $I_{dyn} = 2{,}5 \times I_{th}$
Casing: HB glass fibre reinforced self-extinguishing polyamide (acc. to UL-94)
Operating temperature: -35 ÷ + 55°C
Degree of protection: IP 20, IP07

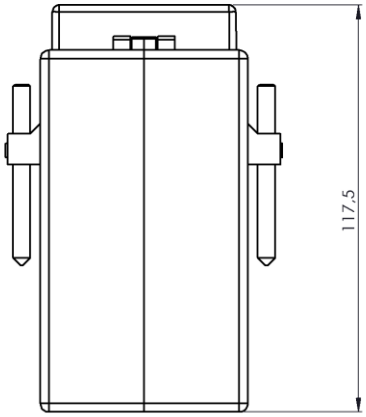
| Current $I_{pr}/I_{sr}$ | class 0,5 | | class 0,2 | | class 0,5S | | class 0,2S | |
|---|---|---|---|---|---|---|---|---|
| | Power Sr | FS | Power Sr | FS | Power Sr | FS | Power Sr | FS |
| A/A | (VA) | - | (VA) | - | (VA) | - | (VA) | - |
| 200/5 | 2,5 | 5 | - | - | - | - | - | - |
| 400/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5 | 5 |
| 500/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 600/5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 | 2,5; 5; 10 | 5 | 2,5; 5 | 5 |
| 800/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 1000/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |

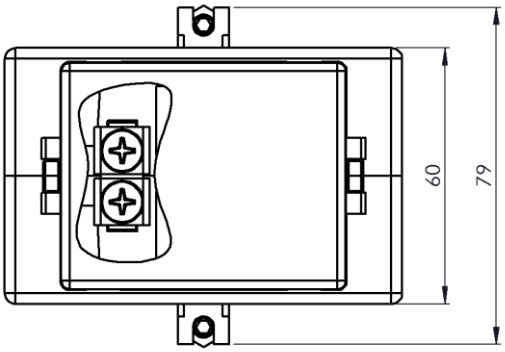
### ORDERING EXAMPLE:

ISS-1-603 600/5A; 2,5VA current transformer, class 0,2S.

CE
Product in conformance with the provisions of directive:
– LVD 2014/35/UE for executions exceeding 50VAC



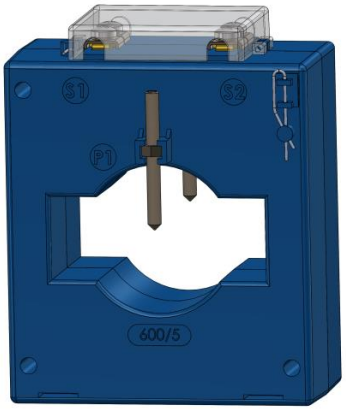
## LOW VOLTAGE CURRENT TRANSFORMERS

# ISS-1-803

### CONSTRUCTION AND APPLICATION:

The ISS-1-603 transformers are made as single-phase, low voltage, indoor, dry transformers on a ring core, intended to supply measuring instruments with the maximum permissible operating voltage below 0.72 kV and a frequency of 50 Hz. ISS-1-30 current transformers are designed for application on a 80x10 mm (max. 80x30mm) current circuit rail or a max. Ø 55mm cable. They are mounted directly on the current circuit, which constitutes the primary winding and are fixed by the screws contacting the conductor rail. They have permanent terminal and rated ratio designations.

***The CTs meet the requirements of standards: PN-EN 61869-1:2009 and PN-EN 61869-2:2013-06.***
All current transformers manufactured by F.A.E. „FANINA" S.A. are calibrated
by the company laboratory, and the calibration costs are included in the price of the product.
Additionally, at the Client's request, we provide current transformers calibrated
by the Regional Weights and Measures Office or calibrated by the accredited PCA laboratory (extra charge).




### TECHNICAL DATA:

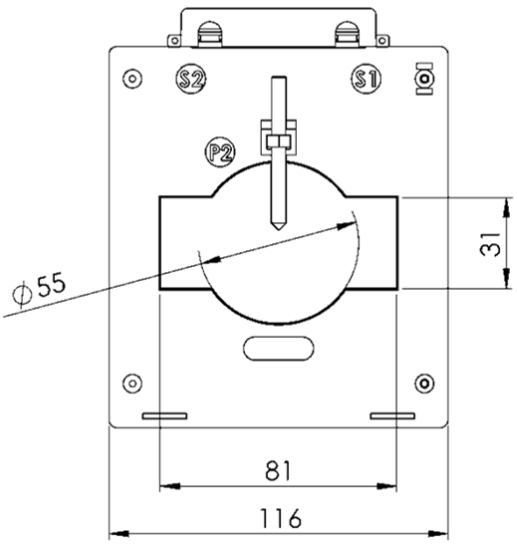
Rated frequency f = 50 Hz
Maximum permissible voltage of the device $U_m$ = 0.72 kV
Rated test voltage with a power-line frequency: 3 kV
Insulation class: B
Extended current range: 120%
Rated short-term thermal current $I_{th}$ = 60 x $I_{pr}$
Rated dynamic current $I_{dyn}$ = 2,5 x $I_{th}$
Casing: HB glass fibre reinforced self-extinguishing polyamide (acc. to UL-94)
Operating temperature: -35 ÷ + 55°C
Degree of protection: IP 20, IP07

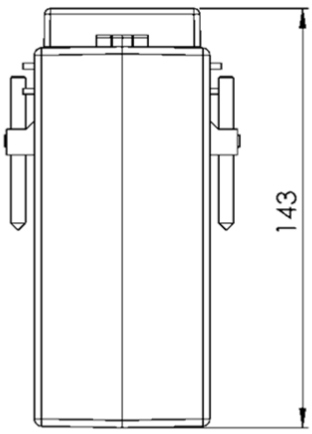
| Prąd $I_{pr}/I_{sr}$ | klasa 0,5 | | klasa 0,2 | | klasa 0,5s | | klasa 0,2s | |
|---|---|---|---|---|---|---|---|---|
| | Moc Sr | FS | Moc Sr | FS | Moc Sr | FS | Moc Sr | FS |
| A/A | (VA) | - | (VA) | - | (VA) | - | (VA) | - |
| 250/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | - | - |
| 300/5 | - | - | - | - | 5 | 5 | - | - |
| 400/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | - | - |
| 500/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | - | - |
| 600/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 750/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 800/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 1000/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 1200/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 1250/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |
| 1500/5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 | 2,5; 5 | 5 |

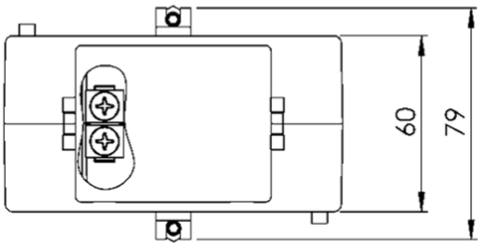
### ORDERING EXAMPLE:

ISS-1-803 1000/5A; 2,5VA current transformer, class 0,2S.

CE
Product in conformance with the provisions of directive:
– LVD 2014/35/UE for executions exceeding 50VAC



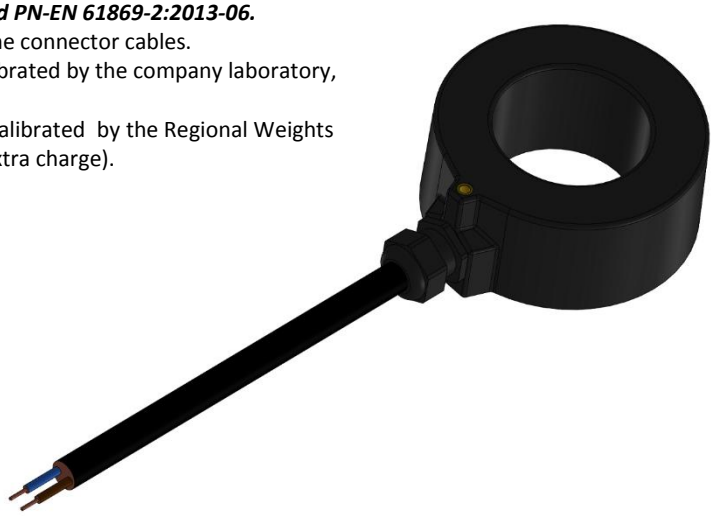
## OUTDOOR CURRENT TRANSFORMERS

# ISSN-70

### CONSTRUCTION AND APPLICATION:

ISSN-70 current transformers are executed as single-phase on a ring core. They are used to supply measuring instruments with the maximum permissible operating voltage below 0.72 kV and a frequency of 50 Hz. They are adapted to outside operation in ambient temperatures from - 35 to +55oC. Thanks to covering in polyurethane resin, they are well protected against moisture and undesired structural interference.
The ISSN-70 outdoor current transformers are designed for installation directly on the cable or in the transformer tank.
They are equipped with a 4, 6 or 8 lm long 2x2.5 mm2 connector cable and have a threaded M6 opening in the housing, used for fastening or positioning.

***The CTs meet the requirements of standards: PN-EN 61869-1:2009 and PN-EN 61869-2:2013-06.***
Transformer accuracy class parameters are measured on the ends of the connector cables.
All current transformers manufactured by F.A.E. „FANINA" S.A. are calibrated by the company laboratory, and the calibration costs are included in the price of the product.
Additionally, at the Client's request, we provide current transformers calibrated by the Regional Weights and Measures Office or calibrated by the accredited PCA laboratory (extra charge).



### TECHNICAL DATA:

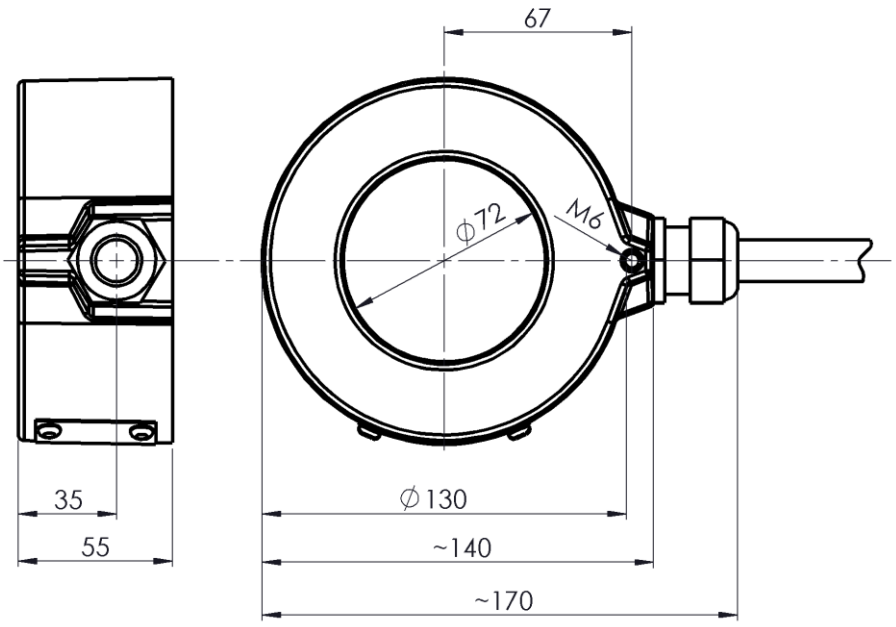
Rated frequency f = 50 Hz
Maximum permissible voltage of the device $U_m$ = 0.72 kV
3 kV rated test voltage with a power-line frequency
Insulation class: B
Extended current range: 120%
Rated short-term thermal current $I_{th}$ = 60 x $I_{pr}$
Rated dynamic current $I_{dyn}$ = 2,5 x $I_{th}$
Protection rating: IP66, IK07
Casing material flammability class: V0
2x2.5mm2 connector cable L = 4, 6 or 8 lm

| Current $I_{pr}/I_{sr}$ | Operating temperature | Class 0,5 | | Class 0,5S | | Class 0,2 | | Class 0,2S | |
|---|---|---|---|---|---|---|---|---|---|
| | | Power Sr | FS | Power Sr | FS | Power Sr | FS | Power Sr | FS |
| A/A | (°C) | (VA) | - | (VA) | - | (VA) | - | (VA) | - |
| 150/5 | - 35 ÷ + 55 | 2,5; 1 | 5 | - | - | - | - | - | - |
| 200/5 | | 2,5; 1,5; 1 | 5 | - | - | - | - | - | - |
| 250/5 | | 2,5; 1 | 5 | 2,5 | 5 | 2,5 | 5 | 2,5 | 5 |
| 300/5 | | 1 | 5 | - | - | - | - | - | - |
| 400/5 | | 5; 2,5; 1,5; 1 | 5 | 5; 2,5 | 5 | 2,5 | 5 | 2,5 | 5 |
| 500/5 | | 5; 2,5; 1 | 5 | 5; 2,5 | 5 | 5; 2,5 | 5 | - | - |
| 600/5 | | 5; 2,5; 1 | 5 | 5; 2,5 | 5 | 5; 2,5 | 5 | 5; 2,5 | 5 |
| 800/5 | | 5; 2,5 | 5 | 5; 2,5 | 5 | 5; 2,5 | 5 | 5; 2,5 | 5 |
| 1000/5 | | 5; 2,5; 1,5 | 5 | 5; 2,5 | 5 | 5; 2,5 | 5 | 5; 2,5 | 5 |

### ORDERING EXAMPLE:

ISSN-70/8 600/5A; 2,5VA current transformer, class 0,2
(where ISSN-70/8 means the current transformer type/cable length

CE
Product in conformance with the provisions of directive:
– LVD 2014/35/UE for executions exceeding 50VAC



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