

# CURRENT TRANSFORMERS

## IA23



Dimensions: 112 x 92.5 x 40 mm

Primary bar: 23 x 33 mm

### Application

Split core current transformers convert an alternating current of high value into a proportional, lower one, which is appropriate to be measured by standard instruments (ammeters, wattmeters, varmeters, power factor meters, relays, measuring transducers...) of rated currents 5A (1A on request). Their split core allows their installation in already constructed networks without need to cut the conductors. They are suitable for indoor use in low-voltage networks, and they are built according to IEC and EN 61869-2 standards.

### Design features

- The current transformers can be opened
- Cases of self-extinguishing polycarbonate UL 94 - V0
- Double secondary terminals, for short circuiting the secondary winding before opening the measuring circuit
- Mounting brackets for the panel mounting and fixing clamps for the fixing to the primary bus bar are included

### Accuracy

Our current transformers fulfil the specifications of the accuracy classes 0.5, 1 and 3, for the rated burden indicated in the table.

## IA23 Technical Data

### Electrical Features (according to IEC-61869-2)

Rated secondary current	5 or 1 A
Frequency range	50 - 60 Hz
Highest voltage for equipment	720 V
Rated insulation level	3kV, 50Hz 1 min.
Rated continuous thermal current	1.2x I <sub>N</sub>
Rated short-time thermal current (I <sub>th</sub> )	60x I <sub>N</sub>
Rated dynamic current (I <sub>dyn</sub> )	2.5x I <sub>th</sub>
Thermal class of insulation, according to IEC-6085	E (120°C)

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## IA23 Technical Daten, Executions

Primary rated current A	Rated burdens VA (sec. .../5A)		
	Cl. 0,5	Cl. 1	Cl. 3
50	-	-	1.25
60	-	-	1.25
75	-	-	1.25
100	-	-	2.5
150	-	3.75*	3.75
200	-	2.5*	5
250	-	2.5	5
300	-	5	5
400	5	10	15
500	7.5	15	20
600	10	20	30

Remark: These current transformers meet the demands for the classes 0.5, 1 and 3 in the same instrument. / \* only ammeters

## Dimensions

