

Current transformers with converter

TI 420

Large-scale current transformer with built-in converter



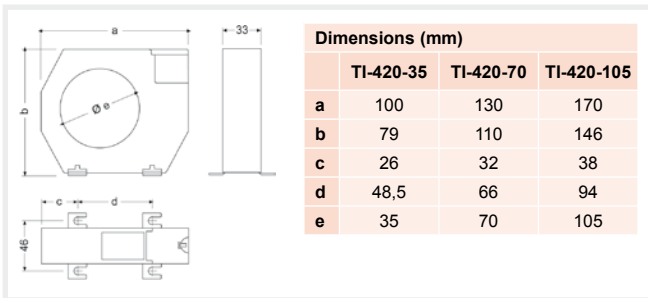
Description

- Needs an output power supply of 10...28 V dc
- Primary current: from 2.5 to 1500 A ac, depending on the type
- Secondary current: 4...20 mA
- Internal diameter: from 35 to 105 mm, depending on the type
- Busbar dimensions: from 35 to 105 mm, depending on the type

Application

Used in power lines to obtain a current proportional to the primary current rated at 4...20 mA in the secondary

Dimensions



Features

Measurement circuit	
Frequency	50 / 60 Hz (linear)
Secondary intensity	4...20 mA dc
Accuracy class	±1.5% reading (between 5... 110 % I _n)
Overloads (at room temperature)	1.5 I _n permanent
Highest current in the material	0.72 kV AC
Operating temperature	-10°...+50 °C
Standards	
IEC 44-1, UNE 21 088-1, IEC 664, VDE0110, VDE0414, UL 94, IEC 1010-1, EN 61010-1	

References

Type	TI-420 35	TI-420 70	TI-420 105
inner Ø (mm)	35	70	105
Busbar			
Dimensions (mm)			
	a b c	79 110 33	146 170 33
A	10...28 V dc power supply output 4...20 mA		
	Code	Code	Code
2,5	[1]M70811		
5	[1]M70812		
10	[1]M70813		
20	[1]M70814		
50	[1]M70815		
100	[1]M70816	[1]M70821	
250	[1]M70817	[1]M70822	[1]M70831
500		[1]M70823	[1]M70832
750		[1]M70824	[1]M70833
1 000			[1]M70834
1 500			[1]M70835

For greater currents, use: transformer + converter

Graph

