

Current transformers with converter

TI 420

Large-scale current transformer with built-in converter



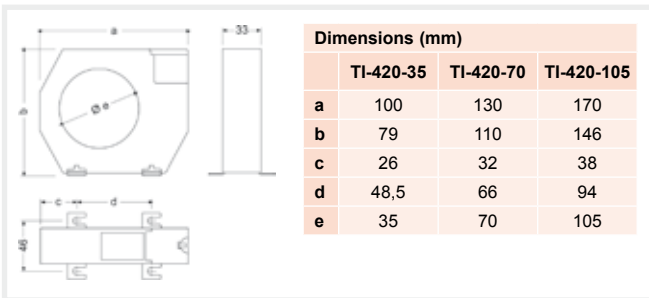
Description

- 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

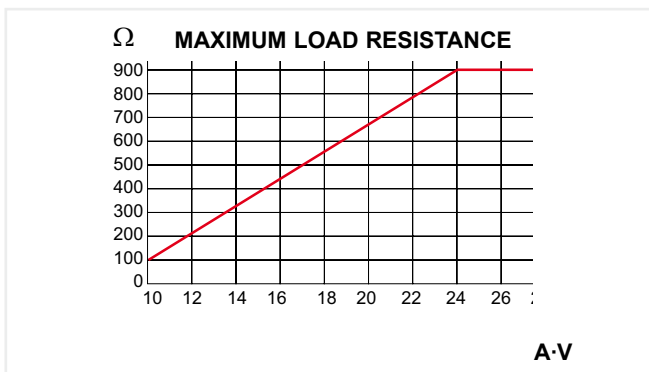
Application

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

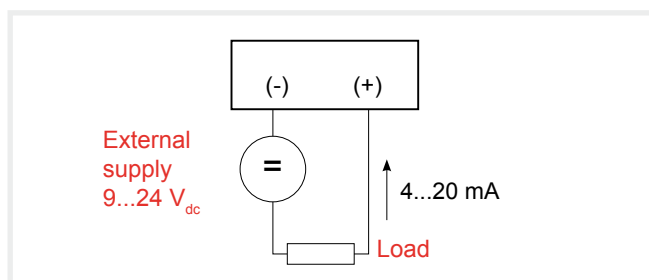
Dimensions



Graph



Connection



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	79	110	146
	b	100	130	170
	c	33	33	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				