



-power in control



DATA SHEET



Power current transformer, PCT

- Current transformer with voltage tab
- Voltage output, with fuse
- Supplies space-saving
- Easy installation on DIN rail
- Primary current 32 A or 64 A



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1. General information

1.1 Application and overview

1.1.1 Application

The PCT is a combined transformer with both a voltage and a current output for DIN mounting.

It decreases mounting space, minimises the numbers of connections on the terminals, and this reduces mounting costs.

A fuse is directly mounted on the primary conductor which gives a short unprotected part of the terminal and results in high reliability.

The PCT is designed for land applications.

1.1.2 Overview

Variants:

Type	Ration	Class	Burden
PCT 100	35/1 A	1	0.2 VA
PCT 100	64/1 A	0.5	0.2 VA

2. Technical information

2.1 Technical data

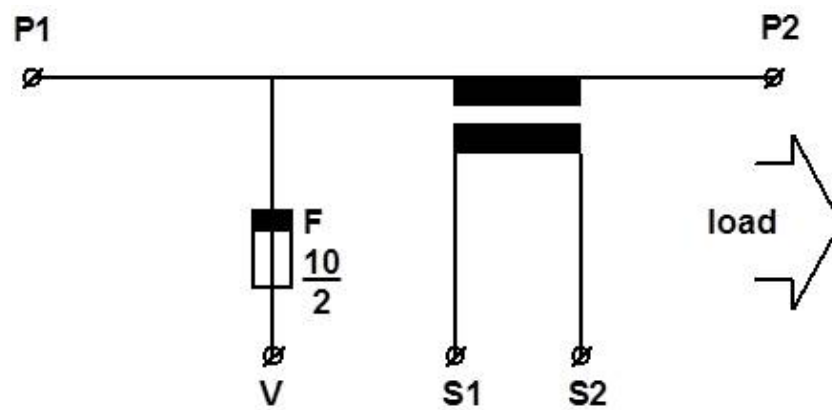
2.1.1 Technical specifications

General	
Maximum voltage	690 V, Uimp 6 kV
Insulation voltage	1890 V/50 Hz 1 min.
Rated current	64 A
Max. current (AWG 6)	67 A
Max. current (16mm ²)	76 A
Insulation class	E (max. 120°)
Protection degree	IP20
Ambient temperature	-10...+ 40°C
Case	PA 30% glass-filled
Suitable for marking	PHOENIX ZBF5
Screw terminal	Philips head DIN 7962-H2
Terminal	
Standard	IEC 60947-7-1
Wire gauge	16 mm ² (range 1.5-16 mm ² , AWG 16-6)
Solid/stranded	
Voltage terminal	
Standard	IEC 60947-7-3
Fuse type	6x25 mm (with indicator) Max. 2 A SIBA DIN 41576-2
Short circuit capability	70 kA@400 V/50 Hz
Wire gauge	4 mm ² (range 1.5-4 mm ²)
Current transformer	
Standard	IEC 60044-1
Frequency	50/60 Hz
Ith	60xIn/1 s
Insulation voltage	3 kV/50 Hz 1 min.
Accuracy	PCT 100 - 35/1: 1 PCT 100 - 64/1: 0.5
Burden ¹⁾	PCT 100 - 35/1: 0.2 VA PCT 100 - 64/1: 0.2 VA

¹⁾ Ext. cable losses = 0.014 VA/m (2.5mm²)

2.1.2 General characteristics

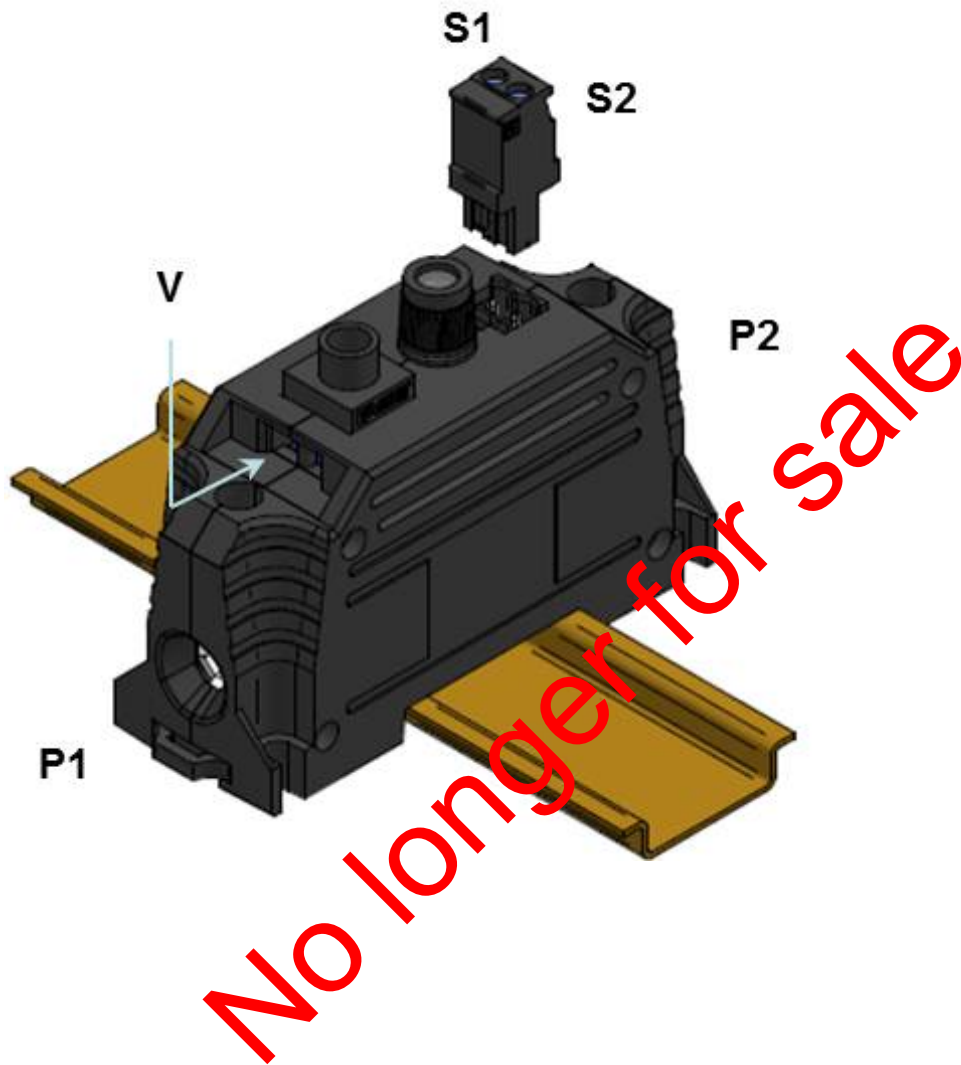
Circuit diagram

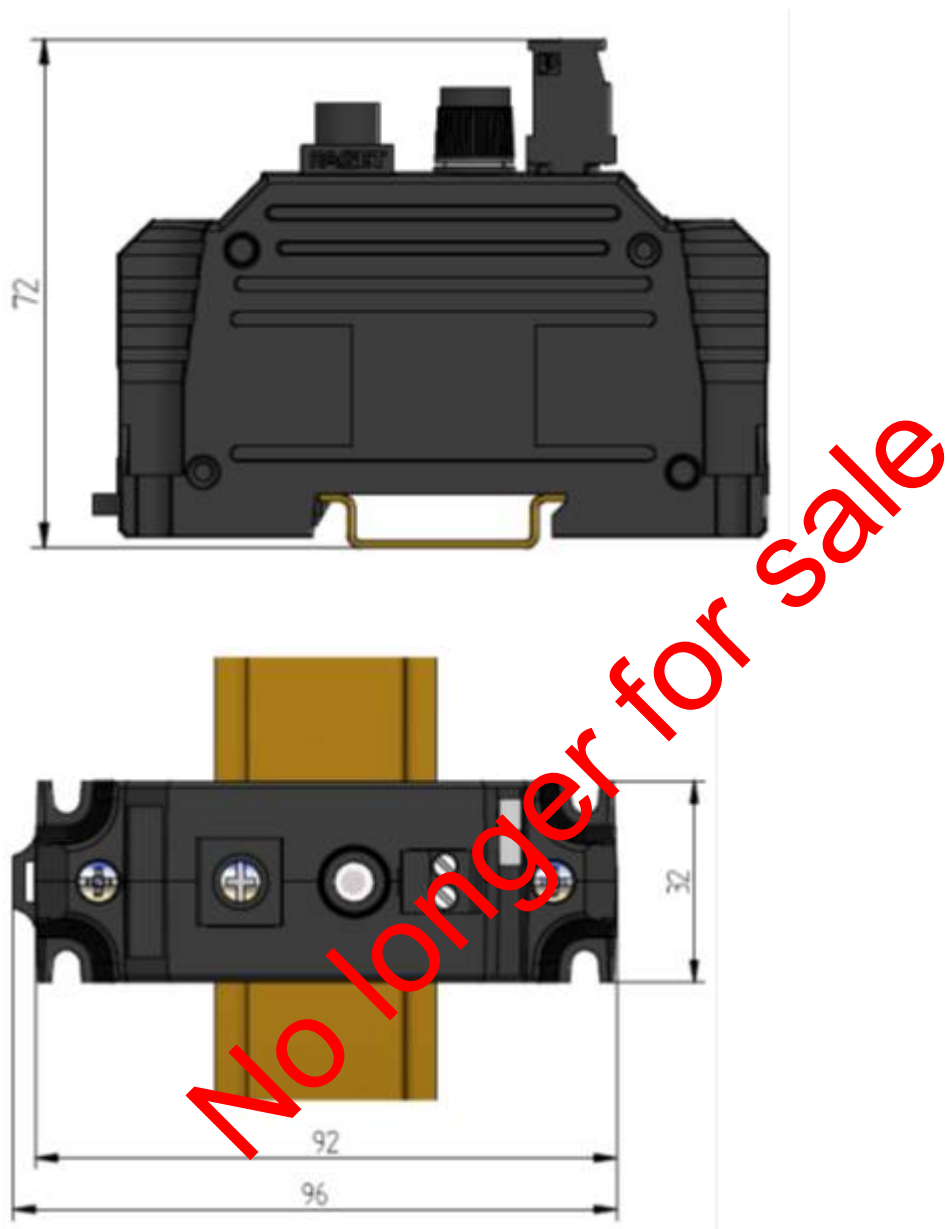


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2.1.3 Dimensions

PCT 100



Dimensions

3. Ordering information

3.1 Order specifications and disclaimer

3.1.1 Order specifications

Type	Product description	Order no.	EAN no.
PCT 100	35/1 A CI 1 0.2 VA 1pcs	1218010001	5703727110438
PCT 100	64/1 A CI 0.5 0.2 VA 1pcs	1218010002	5703727110445

3.1.2 Disclaimer

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