



## CPF-TE Out1,3

CPF-TE Sa1,1,3

Code: M25321. DESCATALOGADO

- > Transducer FP
- > Output type: 1
- > 3
- > Analog output: 0...20mA
- > System: Balanced three-phase (3 wires)

### Description

The **CPF** transducers measure power factor single phase.

The analog output is directly proportional to the measurement signal, 0...20 mA or 4...20 mA. The analog output can be bidirectional.



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Power factor transducer

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### Specifications

#### AC power supply, insulation

Pulse test (kV)	4 kV (1,2/50 $\mu$ s)
Test voltage (kV)	3 kV RMS 50 Hz 1min

#### AC power supply

Consumption	2,5 VA
Frequency	40...90 Hz
Nominal voltage	24/115/230/400 Vca (-15...+20 %)

#### Mechanical characteristics

Size (mm) width x height x depth	95 x 72 x 110 (mm)
Weight (kg)	0,31

#### Environmental characteristics

Protection class	IP 20 (Terminals) IP 40 (case)
Storage temperature	-40...+70 °C
Operating temperature	-10...+55 °C

#### Current measurement circuit

Nominal current (In)	5A
Phase current measurement	0,5...6 In
Allowable overload	300 % In permanent

#### Voltage measurement circuit

Consumption	0,2 VA
Frequency measuring range	45...65 Hz
Voltage measuring range	10...150 % Vn
Nominal voltage	500 Vca
Maximum permanent measurement voltage	1000 V

#### Standards

Electrical safety, Maximum height (m)	2000
Standards	IEC 529, IEC 688, IEC 801, EN 50081-2, EN 50082-2, IEC 1010

#### Analogue inputs

Load impedance in current	< 500 $\Omega$
Ripple (effective RMS value)	< 0,5 %
Response time	< 500 ms (0...99 % Vn)



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### Analogue outputs

Current mode, nominal range	0...20 mAac / 4...20 mAac
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### Measurement accuracy

Phase current measurement	0,5 % FS
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### CPF

Power Factor transducer

CODE	TYPE	Output type	Analog output	System
<b>Power factor. Auxiliary supply 230 V, 40...90 Hz, Accuracy: <math>\pm 0,5</math> % reading</b>				
M25311.	CPF-M Out1,3	1, 3	0...20mA	Single-phase
M25312.	CPF-M Out2	2	4...20mA	Single-phase
M25321.	CPF-TE Out1,3	1, 3	0...20mA	Balanced three-phase (3 wires)
M25322.	CPF-TE Out2	2	4...20mA	Balanced three-phase (3 wires)
M25331.	CPF-TEN Out1,3	1, 3	0...20mA	Balanced three-phase (4 wires)
M25332.	CPF-TEN Out2	2	4...20mA	Balanced three-phase (4 wires)



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### Dimensions

