

CCOS-TEN Sa1,3

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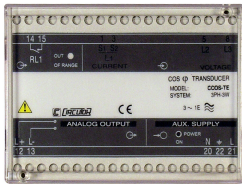
Code: M25361. DESCATALOGADO

- > Transducer FP
- > Output type: 1
- > 3
- > Analog output: 0...20mA
- > System: Balanced three-phase (4 wires)

Description

The **CCOS** transducers measure $\cos\phi$ single-phase system.

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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Cosinus φ transducer

Code: M25361.

Specifications

AC power supply, insulation

| | |
|-------------------|---------------------|
| Pulse test (kV) | 4 kV (1,2/50µs) |
| 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 %) |

DC power supply, insulation

| | |
|-------------------|---------------------|
| Pulse test (kV) | 3 kV (1,2/50µs) |
| Test voltage (kV) | 2 kV RMS 50Hz 1 min |

DC power supply

| | |
|-----------------|-------------------------------------|
| Consumption | 2,5 VA |
| Nominal voltage | 9-18 / 18-36 Vdc 36-72 / 90-140 Vdc |

Mechanical characteristics

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

Environmental characteristics

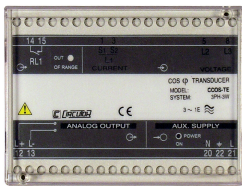
| | |
|---------------------|--------------------------------|
| Protection class | IP 20 (Terminals) IP 40 (case) |
| Storage temperature | -40....+70 °C |
| Working temperature | -10...+55 °C |

Current measurement circuit

| | |
|---------------------------|--------------------|
| Nominal current (In) | 5A |
| Phase current measurement | 0...150 % In |
| Allowable overload | 300 % In permanent |

Voltage measurement circuit

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



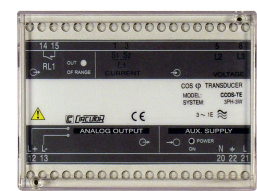
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Standards

| | |
|---------------------------------------|------|
| Electrical safety, Maximum height (m) | 2000 |
|---------------------------------------|------|



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| | |
|-----------|---|
| Standards | IEC 529, IEC 688, IEC 801, EN 50081-2, EN 50082-2, IEC 1010 |
|-----------|---|

Analogue inputs

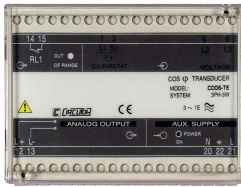
| | |
|------------------------------|------------------------|
| Load impedance in current | < 500 Ω |
| Ripple (effective RMS value) | < 0,5 % |
| Response time | < 500 ms (0...99 % Vn) |

Analogue outputs

| | |
|-----------------------------|---------------------------|
| Current mode, nominal range | 0...20 mAac / 4...20 mAac |
|-----------------------------|---------------------------|

Measurement accuracy

| | |
|---------------------------|----------|
| Phase current measurement | 0,5 % FS |
|---------------------------|----------|



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Dimensions

