





CCOS-TEN Sal1,3

Code: M25361. DESCATALOGADO

> Transducer FP

> Output type: 1

> 3

> Analog output: 0...20mA

> System: Balanced three-phase (4 wires)

Description

The CCOS transducers measure $\text{cos}\phi$ 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.







Cosinus ϕ transducer

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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	4090 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		
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	0150 % In	
Allowable overload	300 % In permanent	
Voltage measurement circuit		
Consumption	0,2 VA	
Frequency measuring range	4565 Hz	
Voltage measuring range	0150 % 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 (099 % Vn)
Analogue outputs	
Current mode, nominal range	020 mAac / 420 mAac
Measurement accuracy	
Phase current measurement	0,5 % FS







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Dimensions



