



CW-TAN Out1,3, Convertidor kW

Code: M25241.

> Output type: 1, 3

> Analog output: 0...20mA

> System: Unbalanaced three-phase (4 wires)

> Paramètre: kW

Description

The CW transducers, convert the signal measured to D.C. signal process.

The analog output is directly proportional to active power - single phase measurement. The measurement is in true RMS.







Active power transducer

Code: M25241.

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	3 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	3 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)	0,54
Environmental characteristics	
Protection class	IP 20 (Terminals) IP 40 (case)
Storage temperature	-40+70 °C
Working temperature	-10+55 °C
Current measurement circuit	
Consumption	0,2 VA
Nominal current (In)	1 A / 5 A
Phase current measurement	0150 % In
Allowable overload	300 % In permanent
Voltage measurement circuit	
Input impedance	3000 Ω/V
Frequency measuring range	4565 Hz
Voltage measuring range	0150 % Vn
Nominal voltage	0660 Vca
Maximum permanent measurement voltage	1000 V







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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 Ω		
Ripple (effective RMS value)	< 0,5 %		
Load impedance in voltage	> 500 Ω		
Response time	< 300 ms (099 % Vn)		
Analogue outputs			
Current mode, nominal range	010, 20 mAac		
Displaced output	0,22 V / 210 V / 420 mA		
Voltage mode: nominal output range	05, 10 Vac		
Measurement accuracy			
Phase current measurement	0,5 % FS		

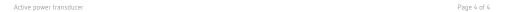
CW

Active power transducer

CODE	TYPE	Output type	Analog output	System	Paramètre
Active power	er. Auxiliary supply 230 V	, 4090 Hz, Accura	cy: ± 0,5 % reading		
M25212.	CW-M Out2	2	420mA	Single-phase	kW
M25221.	CW-TE Out1,3	1, 3	020mA	Balanced three-phase	kW
M25222.	CW-TE Out2	2	420mA	Balanced three-phase	kW
M25231.	CW-TA Out1,3	1, 3	020mA	Unbalanaced three-phase ARON (3 wires)	kW
M25232.	CW-TA Out2	2	420mA	Unbalanaced three-phase ARON (3 wires)	kW
M25241.	CW-TAN Out1,3	1, 3	020mA	Unbalanaced three-phase (4 wires)	kW

Indicate: Zero value, fullscale, type of output, Un (between phases), In and fn. For other values, see coding table on following pages









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Dimensions

Connections





