CW-TA Out1,3

CW-TA Out1,3, Transducer kW

Code: M25231.

> Output type: 1, 3

> Analog output: 0...20mA

> System: Unbalanaced three-phase ARON (3 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.

CW-TA Out1,3

Active power transducer

Code: M25231.

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	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	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	0...150 % In
Allowable overload	300 % In permanent

Voltage measurement circuit

Input impedance	3000 Ω/V
Frequency measuring range	45...65 Hz
Voltage measuring range	0...150 % Vn
Nominal voltage	0...660 Vca
Maximum permanent measurement voltage	1000 V

CW-TA Out1,3

Active power transducer

Code: M25231.

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 (0...99 % Vn)

Analogue outputs

Current mode, nominal range	0...10, 20 mAac
Displaced output	0,2...2 V / 2...10 V / 4...20 mA
Voltage mode: nominal output range	0...5, 10 Vac

Measurement accuracy

Phase current measurement	0,5 % FS

CW
Active power transducer

CODE	TYPE	Output type	Analog output	System	Paramètre
Active power. Auxiliary supply 230 V, 40...90 Hz, Accuracy: ± 0,5 % reading					
M25212.	CW-M Out2	2	4...20mA	Single-phase	kW
M25221.	CW-TE Out1,3	1, 3	0...20mA	Balanced three-phase	kW
M25222.	CW-TE Out2	2	4...20mA	Balanced three-phase	kW
M25231.	CW-TA Out1,3	1, 3	0...20mA	Unbalanaced three-phase ARON (3 wires)	kW
M25232.	CW-TA Out2	2	4...20mA	Unbalanaced three-phase ARON (3 wires)	kW
M25241.	CW-TAN Out1,3	1, 3	0...20mA	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

CW-TA Out1,3

Active power transducer

Code: M25231.

Dimensions

Connections