



CW-M Out2

CW-M Out2, Transducer kW

Code: M25212.

- > Output type: 2
- > Analog output: 4...20mA
- > System: Single-phase
- > 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-M Out2

Active power transducer

Code: M25212.

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 |



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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 (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: \pm 0,5 % reading | | | | | |
| M25212. | CW-M Out2 | 2 | 4...20mA | Single-phase | kW |
| M25232. | CW-TA Out2 | 2 | 4...20mA | Unbalanced three-phase ARON (3 wires) | kW |

Indicate: Zero value, fullscale, type of output, Un (between phases), In and fn.

For other values, see coding table on following pages

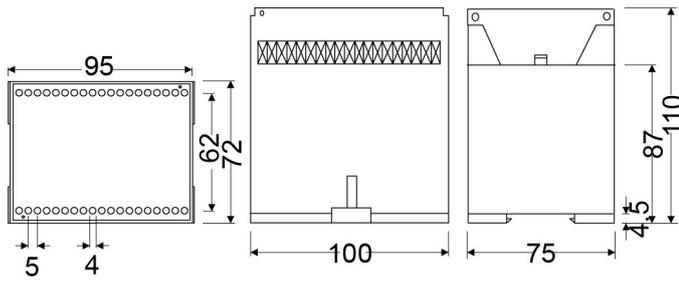


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Dimensions



Connections

