



### 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                             | 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                              |







## CW-M Out2

Active power transducer

Code: M25212.

#### 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                                                    |

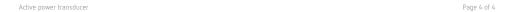
#### CW

Active power transducer

| CODE        | TYPE                       | Output type       | Analog output       | System                                 | Paramètre |
|-------------|----------------------------|-------------------|---------------------|----------------------------------------|-----------|
| Active powe | 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







Circutor

## CW-M Out2

Active power transducer

Code: M25212.

# **Dimensions**

# Connections





