



# CY-M Out1,3

CY-M Out1,3, Transducer kvar

Code: M25251.

- > Output type: 1, 3
- > Analog output: 0...20mA
- > System: Single-phase
- > Paramètre: kvar

## 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 |



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Reactive power transducer

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|                                       |              |
|---------------------------------------|--------------|
| Voltage measuring range               | 0...150 % Vn |
| Nominal voltage                       | 0...660 Vca  |
| Maximum permanent measurement voltage | 1000 V       |

## 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 mAca                  |
| 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 |
|---------------------------|----------|

## CY

| CODE                                                                          | TYPE          | Output type | Analog output | System                                | Paramètre |
|-------------------------------------------------------------------------------|---------------|-------------|---------------|---------------------------------------|-----------|
| Reactive power. Auxiliary supply 230 V, 40...90 Hz, Accuracy: ± 0,5 % reading |               |             |               |                                       |           |
| M25251.                                                                       | CY-M Out1,3   | 1, 3        | 0...20mA      | Single-phase                          | kvar      |
| M25252.                                                                       | CY-M Out2     | 2           | 4...20mA      | Single-phase                          | kvar      |
| M25261.                                                                       | CY-TE Sal.1,3 | 1, 3        | 0...20mA      | Balanced three-phase                  | kvar      |
| M25262.                                                                       | CY-TE Sal.2   | 2           | 4...20mA      | Balanced three-phase                  | kvar      |
| M25271.                                                                       | CY-TA Out1,3  | 1, 3        | 0...20mA      | Unbalanced three-phase ARON (3 wires) | kvar      |
| M25272.                                                                       | CY-TA Out2    | 2           | 4...20mA      | Unbalanced three-phase ARON (3 wires) | kvar      |
| M25281.                                                                       | CY-TAN Sal1,3 | 1, 3        | 0...20mA      | Unbalanced three-phase (4 wires)      | kvar      |
| M25282.                                                                       | CY-TAN Out2   | 2           | 4...20mA      | Unbalanced three-phase (4 wires)      | kvar      |



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## Dimensions



## Connections

