



ECA300C

### 3 Phase kWhmeter via CT 1A or 5A 4M AGARDIO MID

#### Technical properties

##### Architecture

|                 |                               |
|-----------------|-------------------------------|
| Bus system      | MODBUS                        |
| Number of poles | 4 P                           |
| Fixing mode     | DIN rail type O (symmetrical) |

##### Functions

|            |                                    |
|------------|------------------------------------|
| Tarif type | T1...T2 (230V AC) / T1...T8 Modbus |
|------------|------------------------------------|

##### Configuration

|                   |   |
|-------------------|---|
| Number of modules | 4 |
|-------------------|---|

##### Compatibility

|              |                   |
|--------------|-------------------|
| Suitable for | Purchase / supply |
|--------------|-------------------|

##### Main electrical features

|                              |            |
|------------------------------|------------|
| Rated operational voltage Ue | 92 / 480 V |
| Type of supply voltage       | AC         |
| Frequency                    | 50 Hz      |

##### Voltage

|                                 |       |
|---------------------------------|-------|
| Max operating voltage           | 300 V |
| Rated impulse withstand voltage | 6 kV  |

##### Electric current

|                                  |             |
|----------------------------------|-------------|
| Minimum operating current        | 0.001 A     |
| Operating current                | 0.001 / 6 A |
| Rated current                    | 5 A         |
| Reference current                | 1 A         |
| Max. measurement circuit current | 6 A         |

##### Dimensions

|                             |       |
|-----------------------------|-------|
| Depth of installed product  | 60 mm |
| Height of installed product | 90 mm |
| Width of installed product  | 72 mm |

##### Power

|                           |       |
|---------------------------|-------|
| Power consumed            | 2 VA  |
| Total power loss under IN | 0.6 W |

##### Electrical specifications

|                         |         |
|-------------------------|---------|
| Type of pulse generator | optical |
|-------------------------|---------|

|                                       |                                                   |
|---------------------------------------|---------------------------------------------------|
| <b>Measurement</b>                    |                                                   |
| Frequency measuring range             | 45 to 65 Hz                                       |
| Type of measuring instrument          | electronical                                      |
| Principle of measurement              | Measurement transformer                           |
| <b>Installation, mounting</b>         |                                                   |
| Mounting type                         | din-Rail                                          |
| <b>Settings</b>                       |                                                   |
| Transformer interpretation adjustable | 1                                                 |
| <b>Equipment</b>                      |                                                   |
| Type of display                       | retro illuminated display                         |
| Tariff model of kilowatt-hour meter   | Externa                                           |
| Type of counter                       | 4 wires counter                                   |
| <b>Standards</b>                      |                                                   |
| Standard text                         | EN 50470-1 / 3 ; IEC 62053-21 / 23 ; IEC 61557-12 |
| European directive WEEE               | concerned                                         |
| <b>Safety</b>                         |                                                   |
| Protection index IP                   | IP20                                              |
| Protection class                      | isol.class II                                     |
| REACH conform                         | Yes                                               |
| RoHS conform                          | Yes                                               |
| Halogen free                          | Yes                                               |
| <b>Use conditions</b>                 |                                                   |
| Operating temperature                 | -25...55 °C                                       |
| Altitude                              | 2000 m                                            |
| Storage/transport temperature         | -25...70 °C                                       |