### METERING INSTRUMENTS AND CURRENT TRANSFORMERS

**Energy Meters - MID**

#### Single phase, non expandable, MID certified

<table>
<thead>
<tr>
<th>Order code</th>
<th>Description</th>
<th>Qty</th>
<th>Wt n° [kg]</th>
</tr>
</thead>
<tbody>
<tr>
<td>DME D100 T1 MID</td>
<td>40A direct connection, 1 pulse output, 230VAC</td>
<td>1</td>
<td>0.086</td>
</tr>
<tr>
<td>DME D110 T1 MID</td>
<td>40A direct connection, 1 programmable static output, multi-measurements, 230VAC</td>
<td>1</td>
<td>0.090</td>
</tr>
<tr>
<td>DME D120 T1 MID</td>
<td>63A direct connection, 1 programmable static output, multi-measurements, 230VAC</td>
<td>1</td>
<td>0.148</td>
</tr>
</tbody>
</table>

**Multi-measurements:**
- Total active energy
- Partial active energy
- Total reactive energy
- Partial reactive energy
- Voltage
- Current
- Active power
- Reactive power
- Power factor
- Frequency
- Total hour counter
- Partial hour counter
- Average active power (calculation on every last 15 minutes)
- Maximum demand.

**General characteristics**
The DME series energy meters, MID certified, are needed for billing purposes between electricity suppliers and consumers and for energy consumption measurement in directly connected single-phase systems.

**Operational characteristics**
- **DME D100 T1** - **DME D110 T1**
  - Rated supply voltage: 230VAC
  - Voltage range: 187-265VAC 50Hz
  - Direct connection
  - 40A maximum current
  - Measurement of 14 electrical parameters for DME D110 T1 MID only
  - Active energy measurement accuracy: Class B (EN 50470-3)
  - Reactive energy measurement accuracy: Class 2 (IEC/EN 62053-23) for DME D110 T1 MID only
  - LCD meter with 5+1 digit count
  - Metrological LED with pulse emission for consumption indication
  - Static pulse output which is programmable for DME D110 T1 MID only
  - Modular DIN 43880 housing, 1-module
  - Sealable terminals, standard supplied
  - EN degree of protection: IP51 on front; IP20 at terminals.

- **DME D120 T1**
  - Rated supply voltage: 230VAC
  - Voltage range: 187-265VAC 50Hz
  - Direct connection
  - 63A maximum current
  - Active and reactive energy measurement
  - Partial energy measurements are clearable
  - Active energy measurement accuracy: Class B (EN 50470-3)
  - Reactive energy measurement accuracy: Class 2 (IEC/EN 62053-23)
  - LCD meter with 6+1 digit count
  - Metrological LED with pulse emission for consumption indication
  - 1 programmable static output
  - Modular DIN 43880 housing, 2-module
  - Sealable terminals, standard supplied
  - EN protection degree: IP51 on front; IP20 at terminals.

**Certifications and compliance**
Certifications obtained: MID Class B, certifications per module B (type tests) and per module D (production conformity).
Compliant with standards: EN 50470-1, EN 50470-3.

For dimensions refer to page 403-404.