



ECP140D



## 1 Phase kWhmeter direct 40A 1M S0 MID

### Technical properties

#### Architecture

|                 |      |
|-----------------|------|
| Number of poles | 2 P  |
| Type of pole    | 1P+N |

#### Functions

|                 |            |
|-----------------|------------|
| Precision class | B          |
| Tarif type      | One-tariff |

#### Configuration

|                   |   |
|-------------------|---|
| Number of modules | 1 |
|-------------------|---|

#### Compatibility

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

#### Main electrical features

|                              |            |
|------------------------------|------------|
| Rated operational voltage Ue | 92 / 276 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        | 0.02 A      |
| Operating current                | 0.02 / 40 A |
| Rated current                    | 40 A        |
| Reference current                | 5 A         |
| Max. measurement circuit current | 40 A        |

#### Dimensions

|                             |       |
|-----------------------------|-------|
| Depth of installed product  | 60 mm |
| Height of installed product | 92 mm |
| Width of installed product  | 18 mm |

#### Power

|                           |              |
|---------------------------|--------------|
| Power consumed            | 2 VA         |
| Total power loss under IN | 1 W          |
| Plage Impulsion/KWh       | 1000 Imp/kWh |

#### Electrical specifications

**Measurement**

|                              |                    |
|------------------------------|--------------------|
| Frequency measuring range    | 45 to 65 Hz        |
| Type of measuring instrument | electrical         |
| Principle of measurement     | Direct measurement |

**Power supply**

|                |             |
|----------------|-------------|
| Supply voltage | 230 V ± 20% |
|----------------|-------------|

**Installation, mounting**

|                   |          |
|-------------------|----------|
| Tightening torque | 1Nm      |
| Mounting type     | din-Rail |

**Connection**

|  |                    |
|--|--------------------|
| Wire cross section of metering entrance wire | 16 mm <sup>2</sup> |
| Wire cross section of metering outgoing wire | 16 mm <sup>2</sup> |

**Settings**

|                  |        |
|------------------|--------|
| Value of a pulse | 100 Wh |
|------------------|--------|

**Equipment**

|                 |                      |
|-----------------|----------------------|
| Type of display | LCD                  |
| Type of counter | single-phase counter |

**Use**

|                |        |
|----------------|--------|
| Pulse duration | 100 ms |
|----------------|--------|

**Standards**

|                   |   |
|-------------------|---|
| Standard text     | EN 50470-1 / 3 ; IEC 62053-21 / 23 ; IEC 61557-12 |
| Certified product | MID (Measuring Instruments Directive)             |

**Safety**

|                  |               |
|------------------|---------------|
| Protection class | isol.class II |
| REACH conform    | Yes           |
| RoHS conform     | Yes           |
| Halogen free     | Yes           |

**Use conditions**

|  |             |
|--|-------------|
| Operating temperature                                    | -25...55 °C |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2           |
| Altitude   | 2000 m      |
| Storage/transport temperature                            | -25...70 °C |