



#### Auxiliary supply $U_s$

Auxiliary operating voltage range  
AC

|                       |     |     |     |
|-----------------------|-----|-----|-----|
|                       | Max | VAC | 456 |
| Operational frequency | min | Hz  | 45  |
|                       | max | Hz  | 66  |
| Rated frequency       |     | Hz  | 50  |
| Power consumption     | Max | VA  | 2.4 |
| Power dissipation Max |     | W   | 0.8 |

#### Measuring voltage inputs

Rated voltage ( $U_e$ )

|                         |               |     |           |
|-------------------------|---------------|-----|-----------|
|                         | phase-phase   | VAC | 400       |
|                         | phase-neutral | VAC | 230       |
| Operating voltage range | phase-phase   | VAC | 323...456 |
|                         | phase-neutral | VAC | 187...264 |
| Connection method       |               |     | Direct    |

#### Current

|                            |    |     |
|----------------------------|----|-----|
| IEC maximum ( $I_{max}$ )  | A  | 80  |
| IEC minimum ( $I_{min}$ )  | A  | 0.5 |
| IEC rated ( $I_{ref-Ib}$ ) | A  | 10  |
| IEC start ( $I_{st}$ )     | mA | 40  |
| Transition ( $I_{tr}$ )    | A  | 1   |

#### Accuracy

|                 |  |                                        |
|-----------------|--|----------------------------------------|
| Active energy   |  | Class B (EN 50470-3) - Import / export |
| Reactive energy |  | Class 2 (IEC/EN 62053-23)              |

#### RS485 serial interface

|           |     |                           |
|-----------|-----|---------------------------|
| Baud rate | bps | Programmable 1200...38400 |
|-----------|-----|---------------------------|

#### Insulations

|                                           |    |     |
|-------------------------------------------|----|-----|
| Rated insulation voltage $U_i$ IEC/EN     | V  | 300 |
| Rated impulse withstand voltage $U_{imp}$ | kV | 6   |
| Operating frequency withstand voltage     | kV | 4   |

#### Functions

|                            |       |
|----------------------------|-------|
| Type of communication port | RS485 |
|----------------------------|-------|

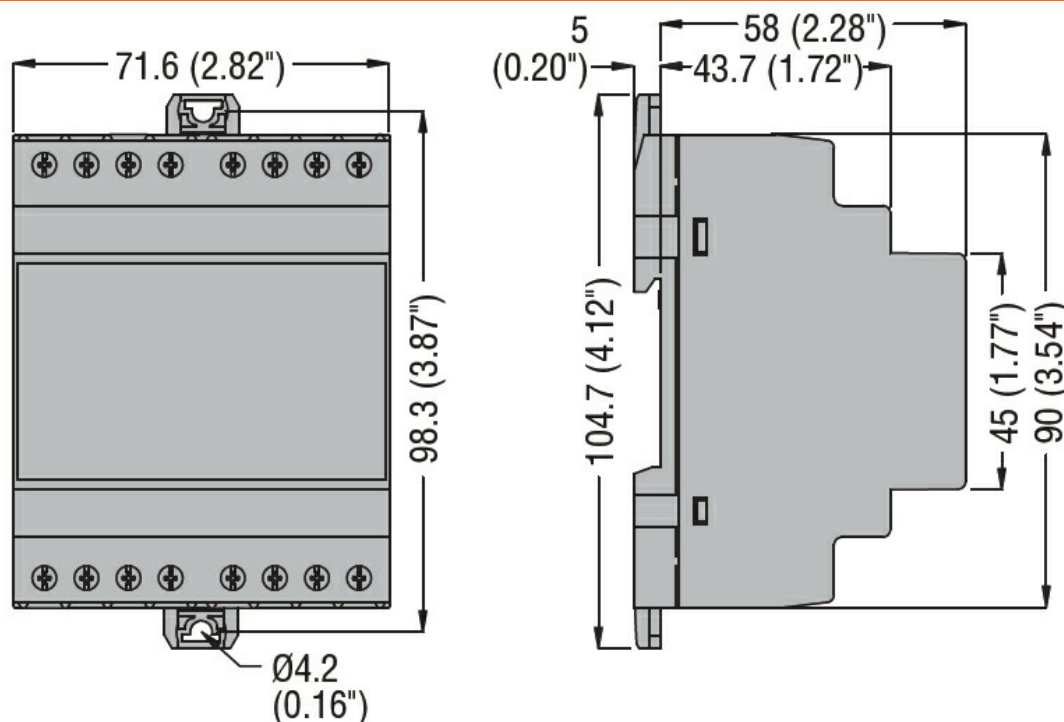
#### Mechanical features

|                         |           |                 |     |
|-------------------------|-----------|-----------------|-----|
| Mechanical features     |           |                 |     |
| Housing type            | Polyamide |                 |     |
| Terminals type          | Fixed     |                 |     |
| Conductor cross section | min       | mm <sup>2</sup> | 2.5 |

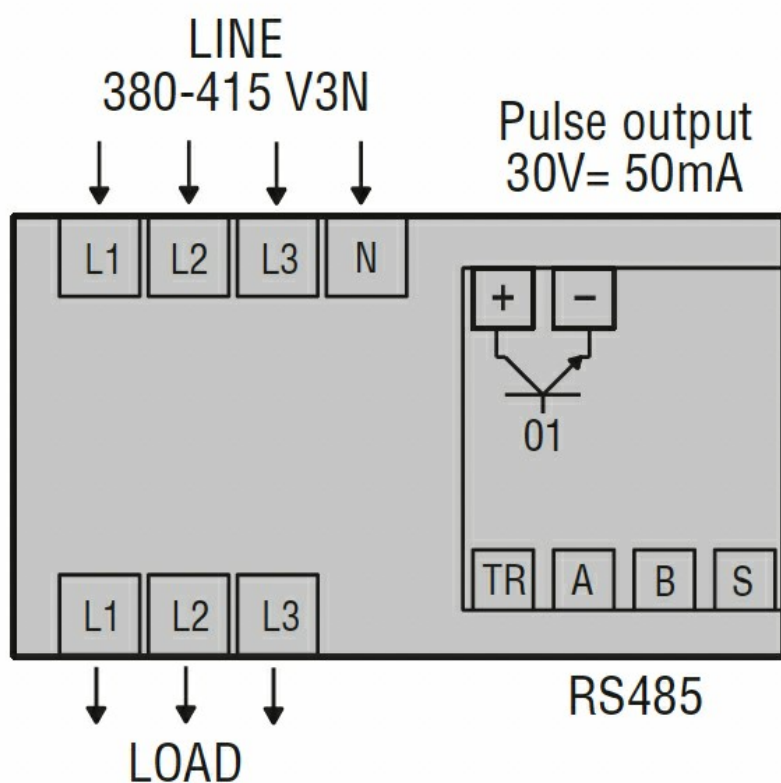
ENERGY METER FOR CHARGING STATIONS, THREE-PHASE WITH NEUTRAL, NON EXPANDABLE, MID CERTIFIED -25...+70°C, BI-DIRECTIONAL, EICHRECHT CERTIFIED, 80A DIRECT CONNECTION, 4U, RS485 INTERFACE, PROGRAMMABLE STATIC OUTPUT, MULTI-MEASUREMENTS

|                          |                       |     |                 |              |
|--------------------------|-----------------------|-----|-----------------|--------------|
|                          |                       | Max | mm <sup>2</sup> | 25           |
|                          |                       | min | AWG             | 14           |
|                          |                       | Max | AWG             | 4            |
| Tightening torque (Max)  |                       |     |                 |              |
|                          |                       |     | Nm              | 2            |
|                          |                       |     | lbin            | 17.7         |
| Fixing                   |                       |     |                 | Din rail     |
| Weight                   |                       |     | g               | 360          |
| Ambient conditions       |                       |     |                 |              |
| Temperature              |                       |     |                 |              |
|                          | Operating temperature |     |                 |              |
|                          |                       | min | °C              | -25          |
|                          |                       | max | °C              | +70          |
|                          | Storage temperature   |     |                 |              |
|                          |                       | min | °C              | -25          |
|                          |                       | max | °C              | +70          |
| Relative humidity        |                       |     | %               | <80          |
| Max altitude             |                       |     | m               | 2000         |
| Maximum Pollution degree |                       |     |                 | 2            |
| Overvoltage category     |                       |     |                 | III          |
| Protection degree        |                       |     |                 | IP40 (Front) |
| Mechanical environment   |                       |     |                 | Class M1     |
| Magnetic environment     |                       |     |                 | Class E2     |

#### Dimensions



#### Wiring diagrams



## Certifications and compliance

### Compliance

BS EN 50470-3  
IEC/EN/BS 62052-11  
IEC/EN/BS 62052-31  
VDE-AR-E 2418-3-100

### Certificates

EAC  
MID (moduli B + D)  
MIR

## ETIM classification

ETIM 8.0

EC001506 -  
Kilowatt-hour  
meter