



#### Auxiliary supply $U_s$

Auxiliary operating voltage range  
DC

|                       | Max | VDC | 31  |
|-----------------------|-----|-----|-----|
| Power dissipation Max |     | W   | 0.9 |

#### Measuring voltage inputs

Connection method Direct

#### Current inputs

Type DC

#### Current

|                            |    |      |
|----------------------------|----|------|
| IEC maximum ( $I_{max}$ )  | A  | 1500 |
| IEC minimum ( $I_{min}$ )  | A  | 15   |
| IEC rated ( $I_{ref-Ib}$ ) | A  | 300  |
| IEC start ( $I_{st}$ )     | mA | 1200 |
| Transition ( $I_{tr}$ )    | A  | 30   |

#### Accuracy

Reference standards

IEC62052-11,  
IEC62052-31,  
IEC61010-1,  
IEC61010-2-030,  
IEC62053-41,  
EN50470-4  
(class B), VDE-  
AR-E 2418-3-  
100 (Eichrecht),  
PTB-A 20.1,  
PTB-A 50.7, REA  
6A, PTB-8.51-  
MB10-Krypto-EN-  
V17, Welmec  
7.2, UL61010-1,  
UL61010-2-030,  
CSA C22.2 No  
61010-1, CSA  
22.2 No 61010-  
2-030  
Class 1 (EN  
50470-4)

Active energy

#### RS485 serial interface

Baud rate bps Programmable  
1200...115200

#### Output characteristics

LED Pulse rate pulse/kWh 100

#### Insulations

Rated impulse withstand voltage  $U_{imp}$  kV 12.8

#### Functions

Type of communication port RS485, Ethernet

|                                 |     |
|---------------------------------|-----|
| Ethernet-RS485 gateway function | Yes |
|---------------------------------|-----|

#### Mechanical features

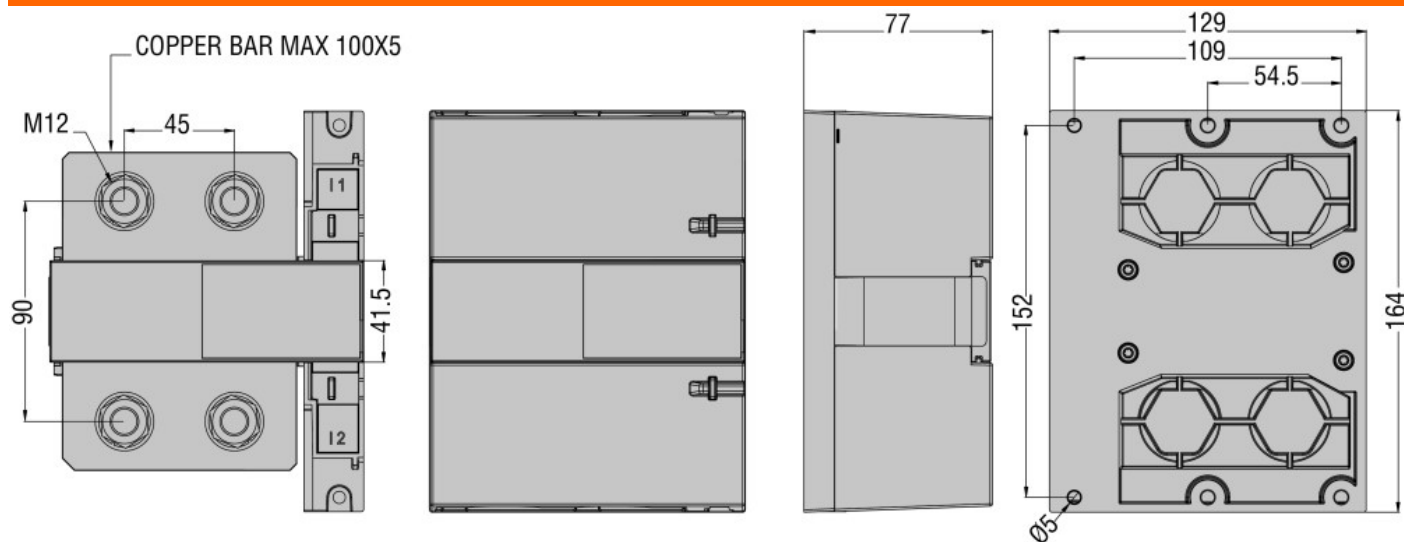
|                |           |
|----------------|-----------|
| Housing type   | Polyamide |
| Terminals type | Removable |

|                         |      |            |
|-------------------------|------|------------|
| Tightening torque (Max) | Nm   | 20         |
|                         | lbin | 177        |
| Fixing                  |      | Rear mount |
| Weight                  | g    | 1215       |

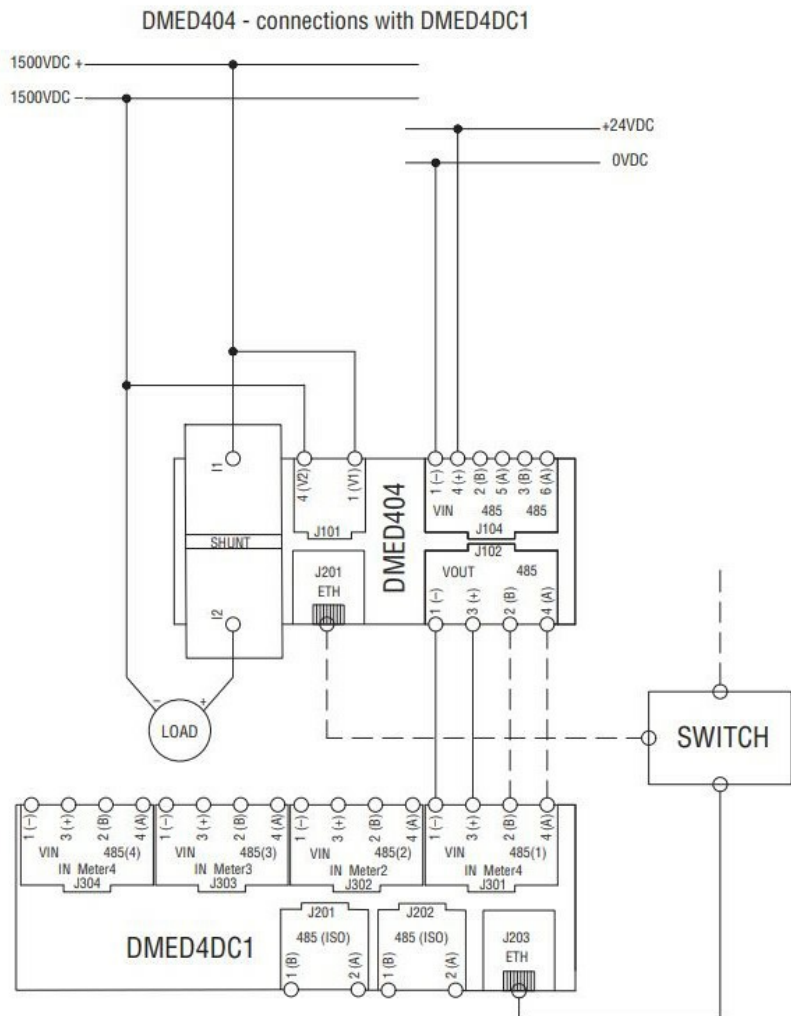
#### Ambient conditions

|                          |                       |     |    |                                     |
|--------------------------|-----------------------|-----|----|-------------------------------------|
| Temperature              | Operating temperature | min | °C | -40                                 |
|                          |                       | max | °C | +85                                 |
|                          | Storage temperature   | min | °C | -40                                 |
|                          |                       | max | °C | +85                                 |
| Relative humidity        |                       |     | %  | <80                                 |
| Max altitude             |                       |     | m  | 4000                                |
| Maximum Pollution degree |                       |     |    | 2                                   |
| Overvoltage category     |                       |     |    | II                                  |
| Protection degree        |                       |     |    | IP40 (frontal),<br>IP20 (terminals) |
| Mechanical environment   |                       |     |    | Class M1                            |
| Magnetic environment     |                       |     |    | Class E2                            |

#### Dimensions



#### Wiring diagrams



## Certifications and compliance

### Compliance

IEC62052-11

IEC62052-31

IEC62053-41

### Certificates

cURus

Eichrecht

MID

## ETIM classification

ETIM 8.0

EC001506 -  
Kilowatt-hour  
meter