



Product designation

Product type designation

Type

DC energy  
meters

DMED404R1500

DC

#### Auxiliary supply Us

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 (Imax)	A	1500
IEC minimum (Imin)	A	15
IEC rated (Iref-Ib)	A	300
IEC start (Ist)	mA	1200
Transition (Itr)	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
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#### Output characteristics

LED Pulse rate pulse/kWh 100

### Insulations

Rated impulse withstand voltage Uimp	kV	12.8
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### Functions

Type of communication port	RS485, Ethernet
Ethernet-RS485 gateway function	Yes

### Mechanical features

Housing type	Polyamide
Terminals type	Removable
Tightening torque (Max)	

Fixing	Rear mount
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Weight	g	1215
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### Ambient conditions

#### Temperature

#### Operating temperature

min	°C	-40
max	°C	+85

#### Storage temperature

min	°C	-40
max	°C	+85

Relative humidity	%	<80
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Max altitude	m	4000
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Maximum Pollution degree	2
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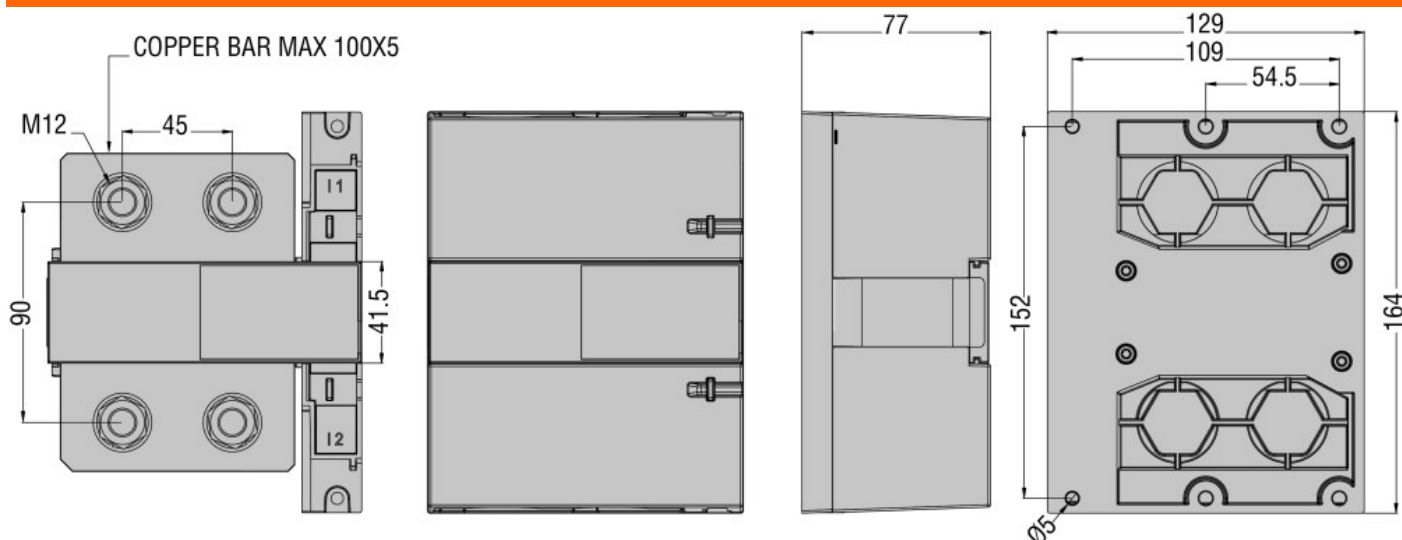
Overvoltage category	II
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Protection degree	IP40 (frontal), IP20 (terminals)
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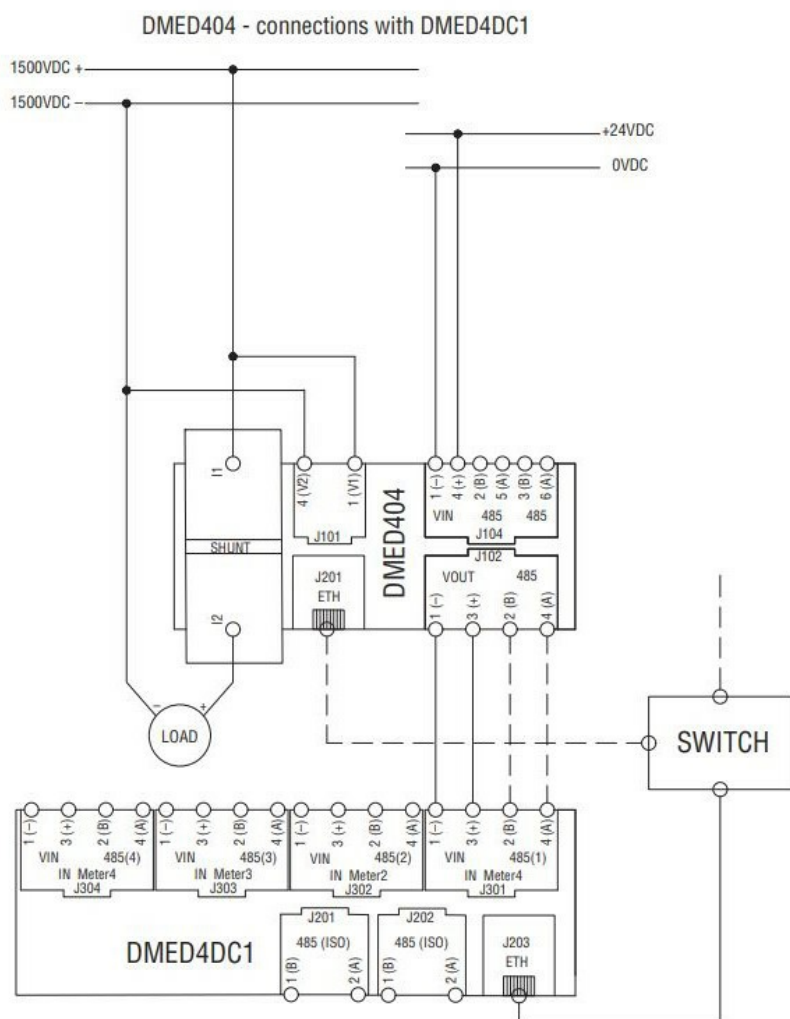
Mechanical environment	Class M1
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Magnetic environment	Class E2
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### Dimensions



### 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