



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
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Output characteristics

LED Pulse rate	pulse/kWh	100
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Insulations

Rated impulse withstand voltage U_{imp}	kV	12.8
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Functions

Type of communication port	RS485
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Ethernet-RS485 gateway function	No
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Mechanical features

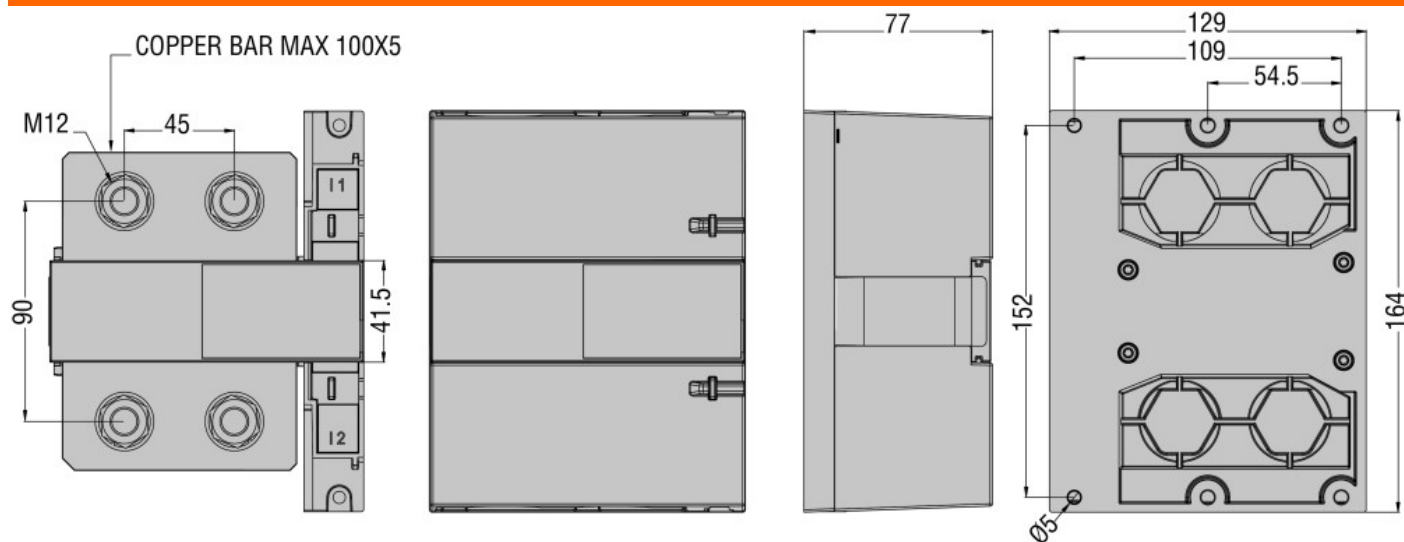
Housing type	Polyamide
Terminals type	Removable

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

Ambient conditions

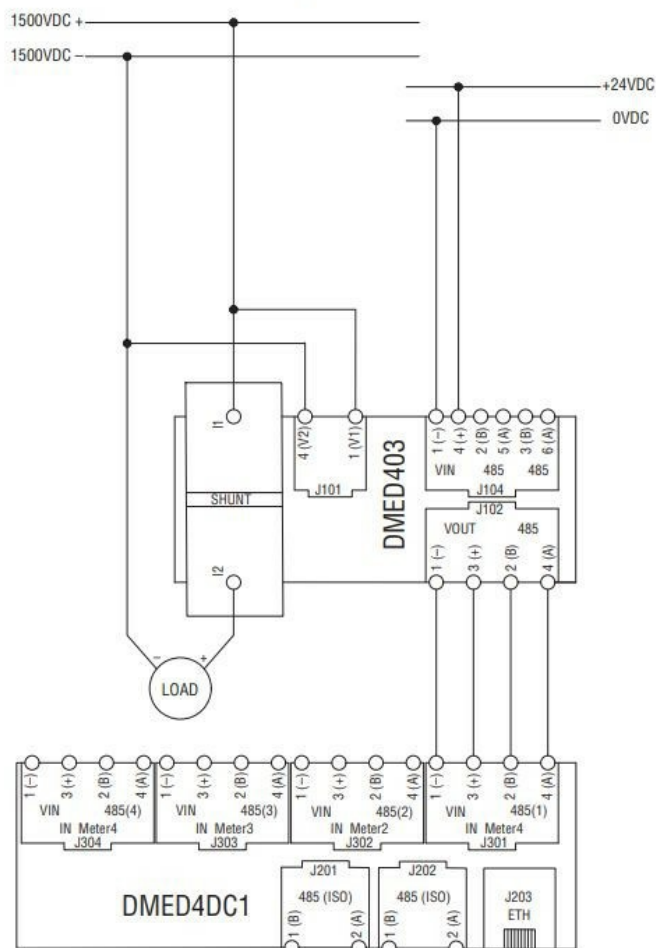
Temperature	Operating temperature	min	°C	-40
		max	°C	+85
	Storage temperature	min	°C	-40
		max	°C	+85
Relative humidity			%	<80
Max altitude			m	4000
Maximum Pollution degree				2
Overvoltage category				II
Protection degree				IP40 (frontal), IP20 (terminals)
Mechanical environment				Class M1
Magnetic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

Dimensions



Wiring diagrams

DMED403 - connections with DMED4DC1



Certifications and compliance

Compliance

IEC62052-11

IEC62052-31

IEC62053-41

Certificates

cURus

Eichrecht

MID

ETIM classification

ETIM 8.0

EC001506 -
Kilowatt-hour
meter