



Auxiliary supply U_s

Auxiliary operating voltage range
DC

	Max	VDC	31
Power dissipation Max		W	1.8

Measuring voltage inputs

Rated operational voltage DC	VDC	120...1500
Connection method		Direct

Current inputs

Type		DC
Current		
IEC maximum (I_{max})	A	150
IEC minimum (I_{min})	A	1.5
IEC rated (I_{ref-Ib})	A	30
IEC start (I_{st})	mA	120
Transition (I_{tr})	A	3

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	1000
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Insulations

Rated impulse withstand voltage U_{imp}	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)	

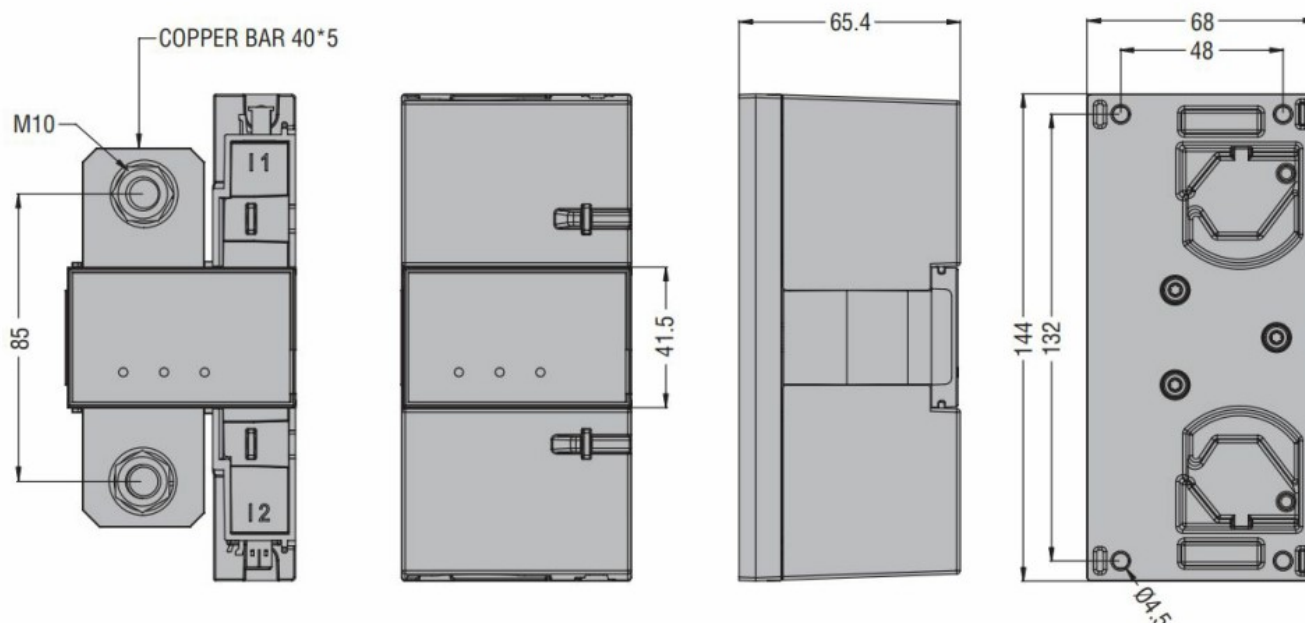
Nm	20
lbin	177

Fixing	Rear mount
Weight	g 655

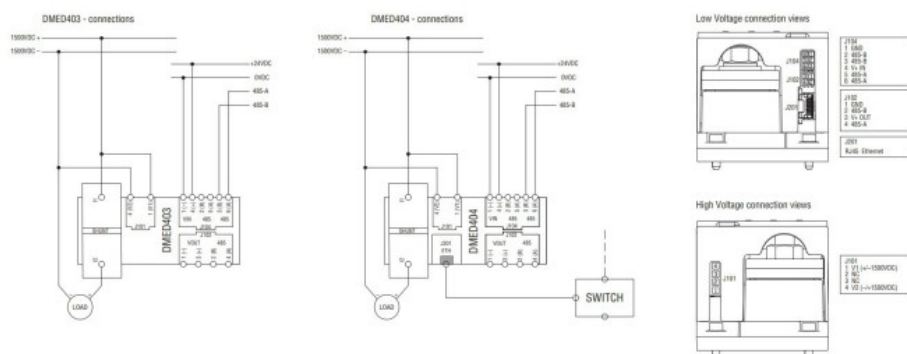
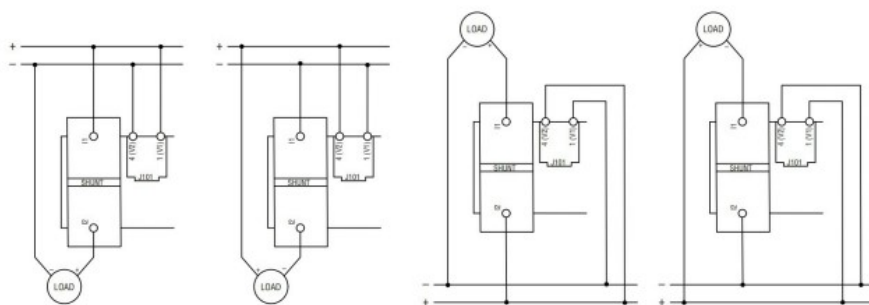
Ambient conditions

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



Certifications and compliance

Compliance

EN50470-4 (class B)
IEC61010-1
IEC61010-2-030
IEC62052-11
IEC62052-31
IEC62053-41
PTB-8.51-MB10-Krypto-EN-V17
PTB-A 20.1
PTB-A 50.7
REA 6A
UL6101
VDE-AR-E 2418-3-100 (Eichrecht)
Welmec 7.2

Certificates

cURus
Eichrecht
MID

ETIM classification

ETIM 8.0

EC001506 -
Kilowatt-hour
meter