



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

IEC maximum (I_{max})	A	600
IEC minimum (I_{min})	A	6
IEC rated (I_{ref-Ib})	A	120
IEC start (I_{st})	mA	480
Transition (I_{tr})	A	12

Accuracy

		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)
Reference standards	Active energy	

RS485 serial interface

Baud rate	bps	Programmable 1200...115200
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Output characteristics

LED Pulse rate	pulse/kWh	300
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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

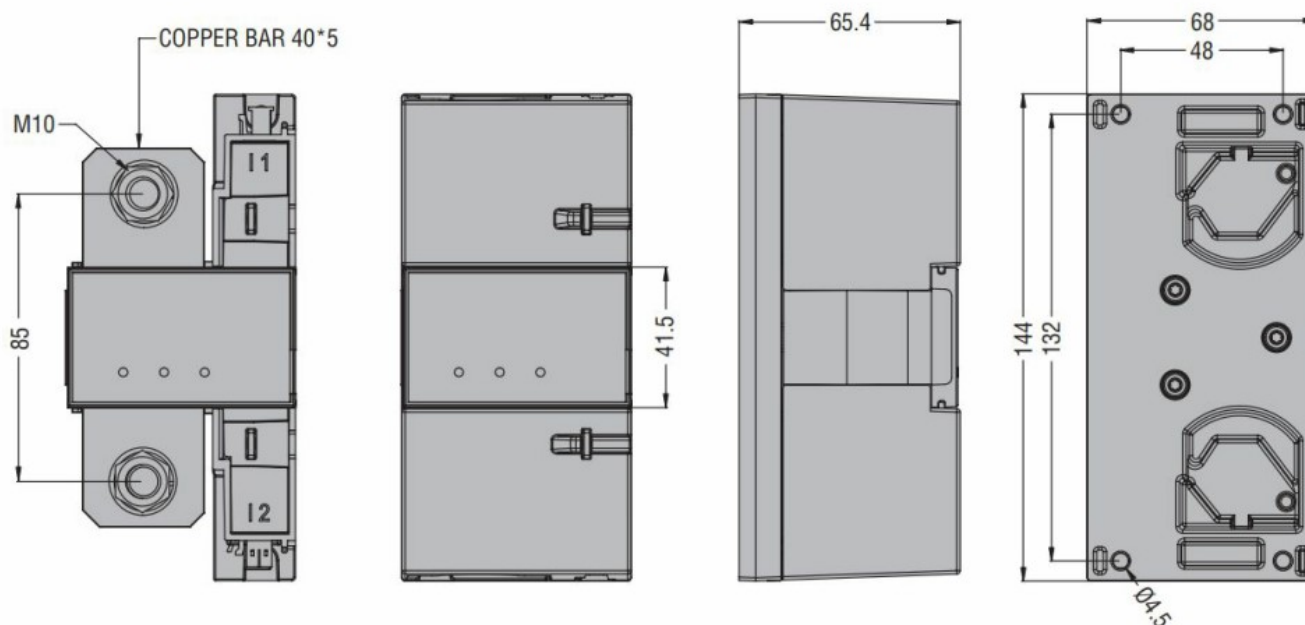
Mechanical features

Housing type	Polyamide	
Terminals type	Removable	
Tightening torque (Max)	Nm	20
	lbin	177
Fixing	Rear mount	
Weight	g	655

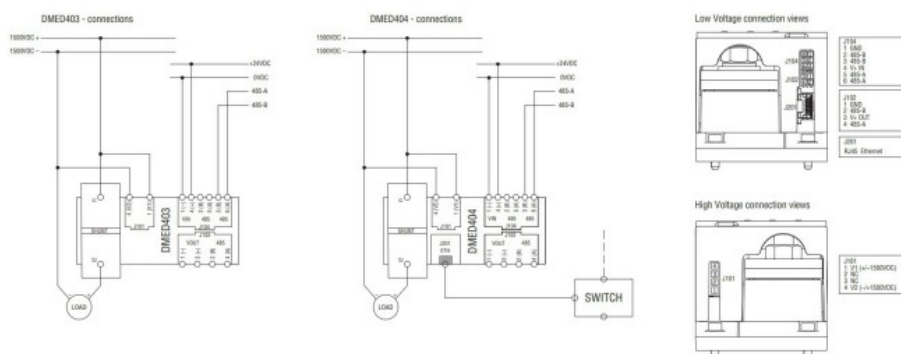
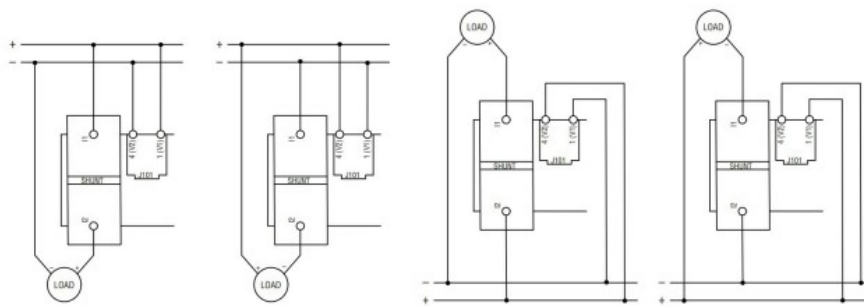
Ambient conditions

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