



Auxiliary supply U_s

Auxiliary operating voltage range
DC

Max VDC 31

Power dissipation Max W 0.9

Measuring voltage inputs

Rated operational voltage DC VDC 120...1500

Connection method Direct

Current inputs

Type DC

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

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
Active energy Class 1 (EN
50470-4)

RS485 serial interface

Baud rate bps Programmable
1200...115200

Output characteristics

LED Pulse rate pulse/kWh 300

Insulations

Rated impulse withstand voltage U_{imp} kV 12.8

Functions

Type of communication port	RS485
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

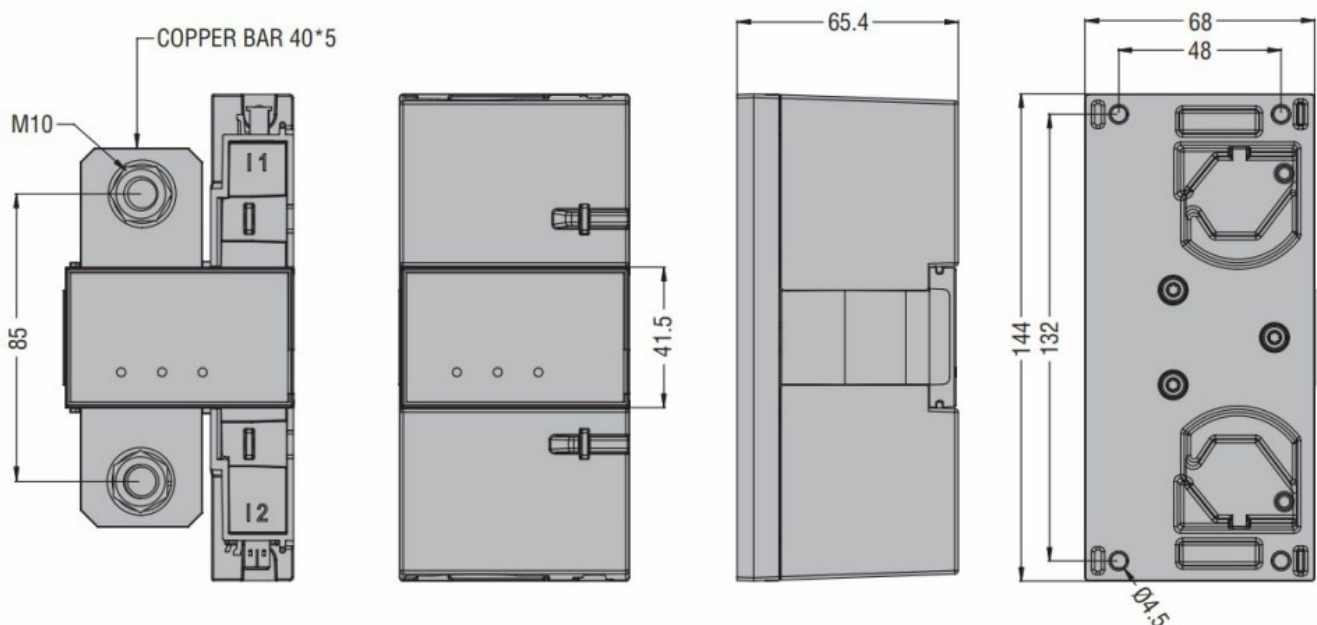
min	°C	-40
max	°C	+85

Relative humidity	%	<80
Max altitude	m	4000
Maximum Pollution degree		2
Overvoltage category		II

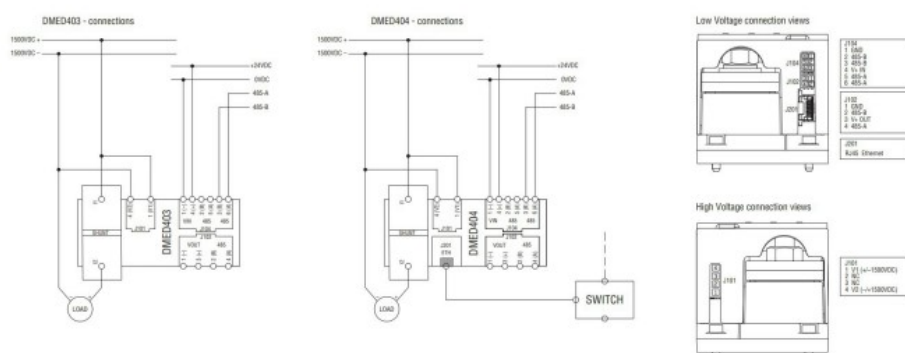
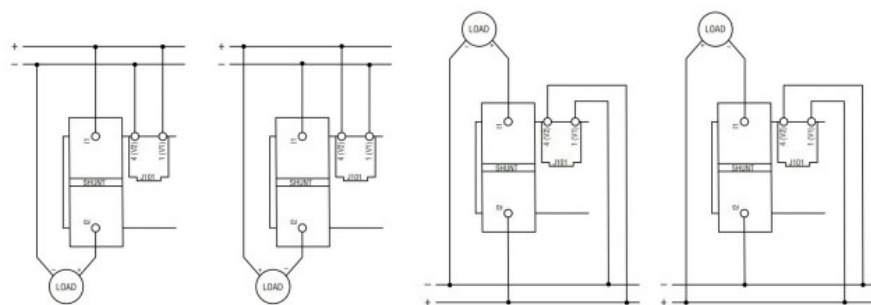
Protection degree	IP40 (frontal), IP20 (terminals)
-------------------	-------------------------------------

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