DMED404D1500

DC ENERGY METER FOR ELECTRIC VEHICLE CHARGING STATIONS, WITH MID AND EICHRECHT IMPORTED ENERGY CERTIFIED, OPERATING TEMPERATURE -40°C +85°C, 1500A, RS485 + ETHERNET INTERFACE

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-lb)		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
	Active energy		Class 1 (EN 50470-4)
RS485 serial interface			
Baud rate		bps	Programmable 1200…115200
Output characteristics			
LED Pulse rate		pulse/kWh	100
Insulations			
Rated impulse withstand voltage Uimp		kV	12.8
Functions			
Type of communication port			RS485, Ethernet

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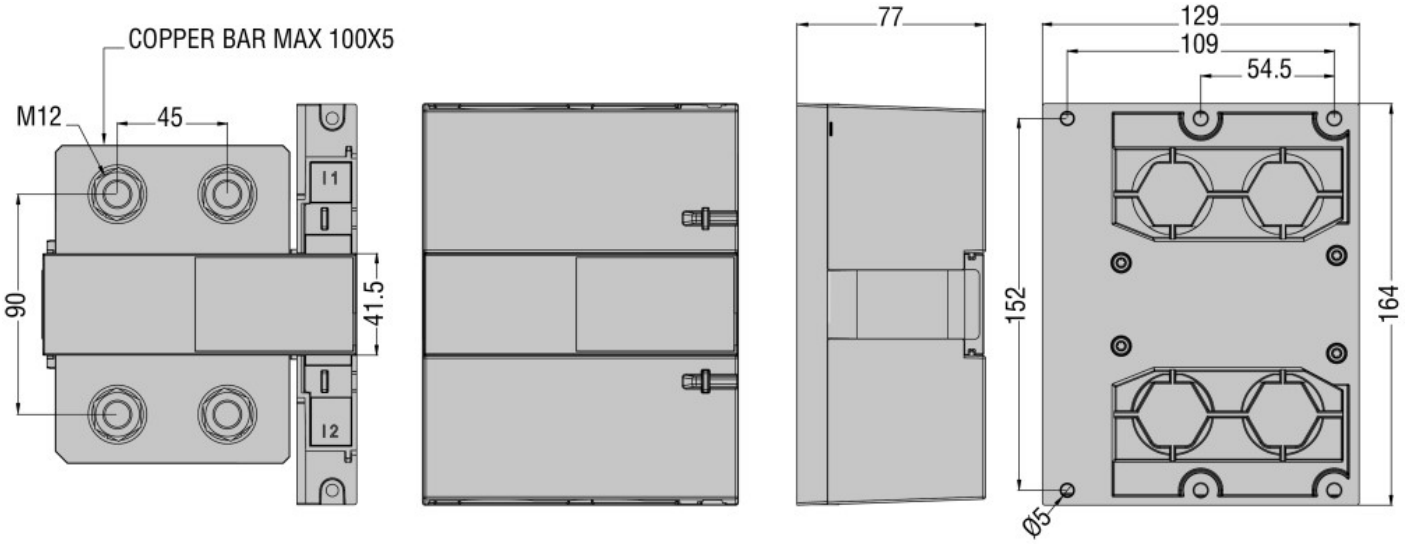
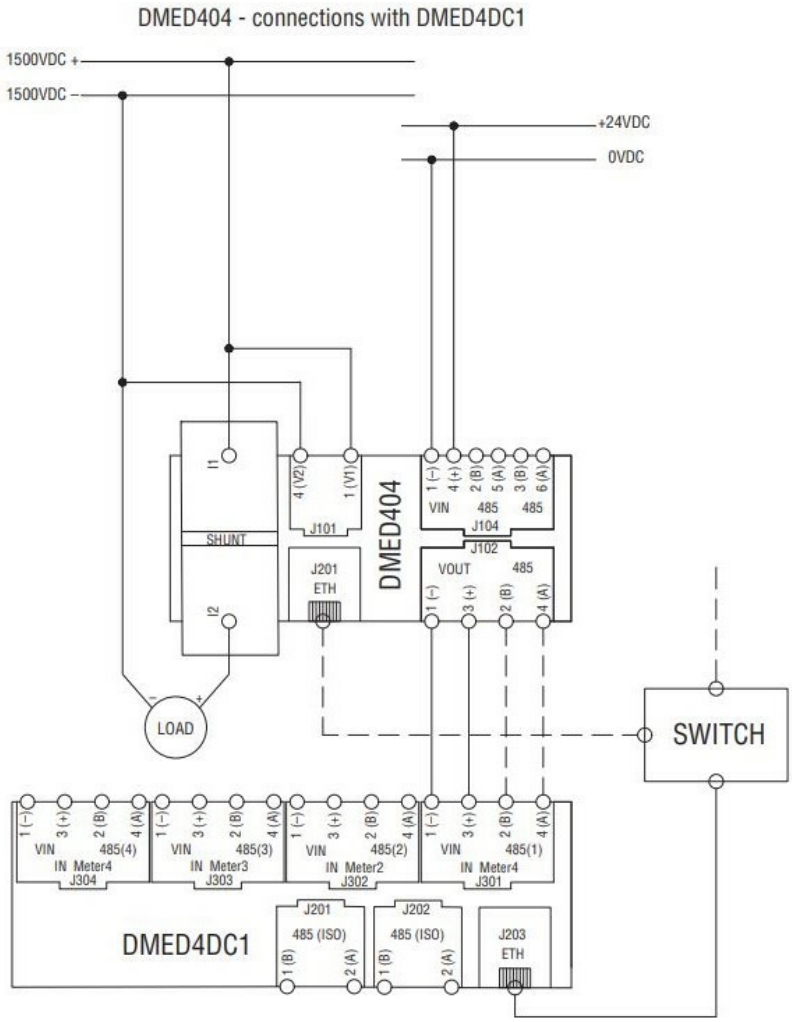
Ethernet-RS485 gateway function			Yes
Mechanical features			
Housing type			Polyamide
Terminals type			Removable
Tightening torque (Max)			
		Nm	20
		lbin	177
Fixing			Rear mount
Weight		g	1215
Ambient conditions			
Temperature			
	Operating temperature		
	min	°C	-40
	max	°C	+85
	Storage temperature		
	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



Certifications and compliance

Compliance

IEC62052-11
IEC62052-31
IEC62053-41

Certificates

cURus
Eichrecht
MID

ETIM classification

ETIM 8.0	EC001506 - Kilowatt-hour meter