DMED404R1500



ENERGY AND AUTOMATION

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



DC energy Product designation meters Product type designation DMED404R1500

Type DC

Auxiliary supply Us

Auxiliary operating voltage range

DC

	iviax	VDC	31
Power dissipation Max		W	0.9
Measuring voltage inputs			
Connection method			Direct
Current inputs			
Туре			DC
Current			
IEC maximum (Imax)		Α	1500
IEC minimum (Imin)		Α	15
IEC rated (Iref-lb)		Α	300
IEC start (Ist)		mA	1200
Transition (Itr)		Α	30
Accuracy			

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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-

IEC62052-11,

Reference standards 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

Active energy 50470-4)

RS485 serial interface

Programmable Baud rate bps 1200...115200

Output characteristics

LED Pulse rate pulse/kWh 100



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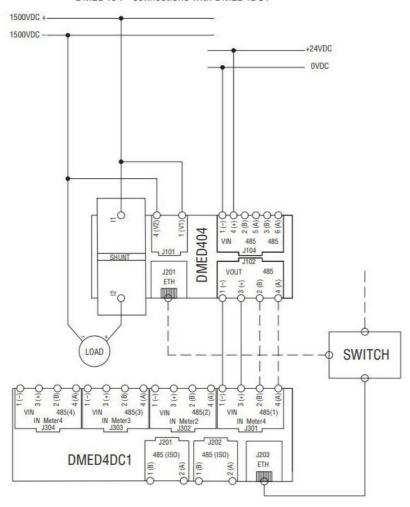
Insulations			
Rated impulse withstand voltage Uimp		kV	12.8
Functions		IC V	12.0
Type of communication port			RS485, Ethernet
Ethernet-RS485 gateway function			Yes
Mechanical features			100
Housing type			Polyamide
Terminals type			Removable
Tightening torque (Max)			
- ignorming to the (man)		Nm	20
		lbin	177
Fixing			Rear mount
Weight		g	1215
Ambient conditions		<u> </u>	
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			
COPPER BAR MAX 100X5 M12 45 11 12 Wiring diagrams	777		129



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ENERGY AND AUTOMATION

DMED404 - 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