

electric ENERGY METER, THREE-PHASE WITH NEUTRAL, NON EXPANDABLE, MID CERTIFIED -25... +70°C, 80A DIRECT CONNECTION, 4U, RS485 INTERFACE, MULTI-MEASUREMENTS

Product designation				500
Product type designation	Product designation			•
Type	•			= -
DIN rail module number	•			•
Auxiliary supply US   Operational frequency   min   Hz   50				
Power consumption				_
Power consumption				
Max	operation and quarter,	min	Hz	50
Power dissipation Max   W   1.35	Power consumption			
Measuring voltage inputs           Rated voltage (Ue)         phase-phase phase phase-neutral vAC phase-neutral vAC 187264         VAC 187264           Connection method         Direct           Current         UEC maximum (Imax)         A 80           IEC maximum (Imin)         A 0.5           IEC rated (Iref-lib)         A 10           IEC start (ist)         MA 10           Transition (Itr)         A 1           Accuracy         Class B (EN 50470-3)           Reactive energy         Class 2 (IEC/EN 62053-23)           RS485 serial interface         Baud rate         bps         Programmable 120038400           Insulations         Rated insulation voltage Ui IEC/EN         V 250         Rated insulation voltage Uirip kV 6           Rated impulse withstand voltage Uimp         kV 4         Mechanical features           Housing type         Polyamide         Polyamide           Terminals type         Polyamide         Fixed           Conductor cross section         min mm² 2.5         Rate min Max mm² 16           min min min AWG 16         Max MWG 6         Rate min AWG 16	Davier discination May	Max		
Rated voltage (Ue)			VV	1.35
Phase-phase phase phase-neutral vac				
Phase-neutral   VAC   230	Raied Vollage (Oe)	nhase-nhase	VAC	400
Phase-phase phase phase phase-neutral phase-neutral phase-neutral vAC sign456 phase-neutral vAC sign264				
Phase-phase phase phas	Operating voltage range	pridee reduies		
Connection method         phase-neutral         VAC         187264           Cornection method         Direct           Current         Section (Current)         Section (Current)         Section (Current)         A         80           IEC maximum (Imin)         A         0.5         10		phase-phase	VAC	323456
Current         IEC maximum (Imax)         A         80           IEC minimum (Imin)         A         0.5           IEC rated (Iref-Ib)         A         10           IEC start (Ist)         mA         40           Transition (Itr)         A         1           Accuracy         Class B (EN 50470-3)         Class 2 (IEC/EN 62053-23)           RS485 serial interface         Ensurance         Ensurance           Baud rate         bps         Programmable 120038400           Insulations         Rated insulation voltage Ui IEC/EN         V         250           Rated impulse withstand voltage Uimp         kV         6           Operating frequency withstand voltage         kV         4           Mechanical features         Polyamide           Terminals type         Fixed           Conductor cross section         min mm² Max m² 16 min AWG			VAC	187264
EC maximum (Imax)	Connection method	-		Direct
EC minimum (Imin)	Current			
EC rated (Iref-Ib)	IEC maximum (Imax)		Α	80
EC start (Ist)				
Active energy				
Active energy				
Active energy Reactive energ	• ,		Α	1
RS485 serial interface  Baud rate bps Programmable 120038400  Insulations  Rated insulation voltage Ui IEC/EN V 250  Rated impulse withstand voltage Uimp kV 6  Operating frequency withstand voltage W kV 4  Mechanical features  Housing type Polyamide  Terminals type Polyamide  Terminals type  Conductor cross section  min mm² 2.5  Max mm² 16  min AWG 16  min AWG 16  Max AWG 6	Accuracy	Active energy		50470-3)
Baud rate bps Programmable 120038400  Insulations  Rated insulation voltage Ui IEC/EN V 250 Rated impulse withstand voltage Uimp kV 6 Operating frequency withstand voltage WV 4  Mechanical features  Housing type Polyamide  Terminals type Polyamide  Conductor cross section  min mm² 2.5 Max mm² 16 min AWG 16 min AWG 16 Max AWG 6		Reactive energy		
Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Housing type Terminals type Conductor cross section  min mm² 2.5 Max mm² 16 min AWG 16 Max AWG 6	RS485 serial interface			Danish
Rated insulation voltage Ui IEC/EN  Rated impulse withstand voltage Uimp  Operating frequency withstand voltage  kV 4  Mechanical features  Housing type  Terminals type  Conductor cross section  min mm² 2.5  Max mm² 16  min AWG 16  Max AWG 6	Baud rate		bps	
Rated impulse withstand voltage Uimp Operating frequency withstand voltage  Mechanical features  Housing type Polyamide  Terminals type Fixed  Conductor cross section  min mm² 2.5 Max mm² 16 min AWG 16 Max AWG 6				
Operating frequency withstand voltage kV 4  Mechanical features  Housing type Polyamide  Terminals type Fixed  Conductor cross section  min mm² 2.5  Max mm² 16  min AWG 16  Max AWG 6				250
Housing type  Terminals type  Conductor cross section  min mm² 2.5  Max mm² 16  min AWG 16  Max AWG 6				
Housing type Terminals type  Conductor cross section  min mm² 2.5 Max mm² 16 min AWG 16 Max AWG 6	· • •		kV	4
Terminals type  Conductor cross section  min mm² 2.5  Max mm² 16  min AWG 16  Max AWG 6				5
Conductor cross section  min mm² 2.5  Max mm² 16  min AWG 16  Max AWG 6				
min mm² 2.5 Max mm² 16 min AWG 16 Max AWG 6				Fixed
Max mm² 16 min AWG 16 Max AWG 6	Conductor cross section		3	2.5
min AWG 16 Max AWG 6				
Max AWG 6				
The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and				

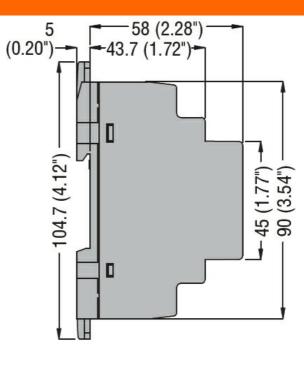
**ENERGY AND AUTOMATION** 

**Dimensions** 

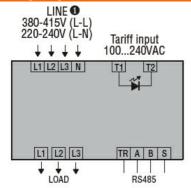
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Tightening torque (Max)			
		Nm	2
		lbin	17.7
Fixing			Din rail
Weight		g	360
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-25
	max	°C	+70
Storage temperature			
	min	°C	-25
	max	°C	+70
Relative humidity		%	<80
Maximum Pollution degree			2
Mechanical environment		•	Class M1
Magnetic environment		•	Class E2

## 71.6 (2.82") (\*) (\*) (\*) (\*) (\*) (\*) (\*) (\*)



## Wiring diagrams



## Certifications and compliance

Compliance



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## DMED311MID7

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ETIM classification		
	MIR	
	MID	·
	EAC	
Certificates		
	VDE-AR-E 2418-3-100	
	IEC/EN/BS 62052-31	
	IEC/EN/BS 62052-11	
	BS EN 50470-3	

ETIM 8.0

EC001506 -Kilowatt-hour meter