

DMED302MID ENERGY METER, THREE PHASE WITH NEUTRAL, NON EXPANDABLE, MID CERTIFIED, 80A DIRECT CONNECTION, 4U, M-BUS INTERFACE, MULTI-MEASUREMENTS



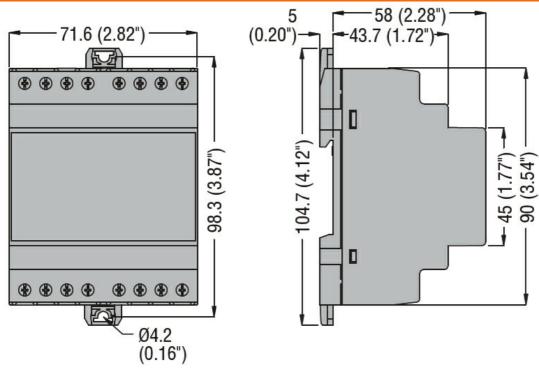
Product designation			Three-phase energy meters
Product type designation			DMED302MID
Туре			Three-phase + neutral
DIN rail module number			4
Auxiliary supply Us			
Operational frequency			
	min	Hz	50
Power consumption	Max	VA	20
Power dissipation Max	Max	W	1.35
Measuring voltage inputs		vv	1.00
Rated voltage (Ue)			
	phase-phase	VAC	400
	phase-neutral	VAC	230
Operating voltage range	phaeo hourai		200
	phase-phase	VAC	323456
	phase-neutral	VAC	187264
Connection method	p.1.000		Direct
Current			
IEC maximum (Imax)		А	63
IEC minimum (Imin)		А	0.5
IEC rated (Iref-Ib)		А	10
IEC start (Ist)		mA	40
Transition (ltr)		А	1
Accuracy			
Measurement conditions (T +23°C ±1°C / Rel. Humidity 45 ±15% R.H.)			
	active energy		Class B (EN50470-3)
			Class 2 (IEC/EN
	reactive energy		62053-23)
Output characteristics	reactive energy		62053-23)
Output characteristics LED Pulse rate	reactive energy	pulse/kWh	,
		pulse/kWh ms	,
LED Pulse rate		•	1000 30 1-10-100-1000
LED Pulse rate LED Pulse duration		ms	1000 30 1-10-100-1000 programmable 100 for 1-10-10 pulse; 60 for
LED Pulse rate LED Pulse duration Static output pulse rate Static output pulse duration		ms pulse/kWh ms	1000 30 1-10-100-1000 programmable 100 for 1-10-10 pulse; 60 for 1000 pulse
LED Pulse rate LED Pulse duration Static output pulse rate Static output pulse duration Static output external voltage		ms pulse/kWh ms VDC	1000 30 1-10-100-1000 programmable 100 for 1-10-10 pulse; 60 for 1000 pulse 1030
LED Pulse rate LED Pulse duration Static output pulse rate Static output pulse duration		ms pulse/kWh ms	1000 30 1-10-100-1000 programmable 100 for 1-10-10 pulse; 60 for 1000 pulse
LED Pulse rate LED Pulse duration Static output pulse rate Static output pulse duration Static output external voltage Static outputs Maximum current Insulations		ms pulse/kWh ms VDC	1000 30 1-10-100-1000 programmable 100 for 1-10-10 pulse; 60 for 1000 pulse 1030
LED Pulse rate LED Pulse duration Static output pulse rate Static output pulse duration Static output external voltage Static outputs Maximum current		ms pulse/kWh ms <u>VDC</u> mA	1000 30 1-10-100-1000 programmable 100 for 1-10-10 pulse; 60 for 1000 pulse 1030 50

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding



ENERGY AND AUTOMATION

Housing type Polyamide Terminals type Fixed Conductor cross section min mm² 2.5 Max mm² 16 Max AWG 16 Max AWG 6 Tightening torque (Max) Nm 2 Fixing 0IN rail 14 Fixing g 360 Ambient conditions g 360 Ambient conditions g 360 Forage temperature min °C -25 max °C +55 Storage temperature min °C -25 max °C +55 Storage temperature min °C -25 max °C +70 % <80 Maximum Pollution degree 2 Mechanical environment Class M1					
Terminals type Fixed Conductor cross section min mm² 2.5 Max mm² 16 min AWG 16 Max AWG 6 6 6 6 Tightening torque (Max) Nm 2 lbin 14 Fixing DIN rail g 360 Ambient conditions g 360 Temperature min °C -25 Max °C +55 Storage temperature min °C -25 Max °C +55 Storage temperature min °C -25 Max °C +70 70 Relative humidity % <80	Mechanical features				
Conductor cross section min mm² 2.5 Max mm² 16 min AWG 16 Max AWG 6 Tightening torque (Max) Nm 2 Ibin 14 Fixing DIN rail Weight g 360 Ambient conditions g 360 Temperature min °C -25 Max °C +55 Storage temperature min °C -25 Max °C +70 Relative humidity % <80	Housing type				Polyamide
min mm² 2.5 Max mm² 16 min AWG 16 Max AWG 6 Tightening torque (Max) Nm 2 Ibin 14 Fixing DIN rail Weight g 360 Ambient conditions g 360 Ambient conditions min °C -25 Temperature min °C +55 Storage temperature min °C +55 Storage temperature min °C -25 Max °C +70 Relative humidity % <80	Terminals type				Fixed
Max minmm² min16 minTightening torque (Max)Nm 2 lbin2 lbinFixingNm g2 lbinWeightg360Ambient conditionsgTemperaturemin °COperating temperaturemin °CMax Storage temperaturemin °CMin Max °C°CNo Max °C-25 max °CMin No °C°CStorage temperaturemin °CMax Max °C°CNo No °C-25 max °CStorage temperaturemin °CStorage temperature2 °CClass M1 Magnetic environmentClass M1 °C	Conductor cross sec	ction			
min AWG 16 Max AWG 6 Tightening torque (Max) Nm 2 Ibin 14 14 Fixing DIN rail 0 Weight g 360 Ambient conditions g 360 Temperature min °C -25 Max °C +55 Storage temperature min °C -25 Max °C +55 -25 Relative humidity % <80			min	mm²	2.5
Max AWG 6 Tightening torque (Max) Nm 2 Ibin 14 Fixing g 360 Ambient conditions g 360 Temperature min °C -25 Max °C +55 Storage temperature min °C -25 Max °C +55 Storage temperature min °C -25 Max °C +55 Storage temperature min °C -25 Max °C +70 Relative humidity % <80			Max	mm²	16
Tightening torque (Max) Nm 2 Ibin 14 Fixing DIN rail Weight g 360 Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -25 Maximum Pollution degree 2 -25 Maximum Pollution degree 2 -25 Maximum Pollution degree 2 -25 Magnetic environment Class M1			min	AWG	16
Nm 2 bin 14 Fixing DIN rail Weight g 360 Ambient conditions g 360 Temperature min °C -25 max °C +55 Storage temperature min °C -25 max °C +70 Relative humidity % <80			Max	AWG	6
Ibin 14 Fixing DIN rail Weight g 360 Ambient conditions Temperature Operating temperature Operating temperature min °C -25 max Storage temperature min °C +55 Storage temperature min °C -25 max Relative humidity % <80	Tightening torque (M	ax)			
Fixing DIN rail Weight g 360 Ambient conditions Temperature Operating temperature min °C -25 max °C +55 Storage temperature min °C -25 max °C +55 Relative humidity % <80				Nm	2
Weight g 360 Ambient conditions Temperature Image: Second s				lbin	14
Ambient conditions Temperature Operating temperature min °C -25 max °C Storage temperature min °C Storage temperature min °C Relative humidity % Maximum Pollution degree 2 Mechanical environment Class M1 Magnetic environment Class E1	Fixing				DIN rail
Ambient conditions Temperature Operating temperature min °C -25 max °C Storage temperature min °C Storage temperature min °C Relative humidity % Maximum Pollution degree 2 Mechanical environment Class M1 Magnetic environment Class E1	Weight			g	360
Operating temperature min °C -25 max °C +55 Storage temperature min °C -25 max °C +70 Relative humidity % <80	Ambient conditions			-	
Operating temperature min °C -25 max °C +55 Storage temperature min °C -25 max °C +70 Relative humidity % <80	Temperature				
min °C -25 max °C +55 Storage temperature min °C -25 max °C +70 Relative humidity % <80		Operating temperature			
Storage temperature min °C -25 max °C +70 Relative humidity % <80			min	°C	-25
min max°C °C-25 +70Relative humidity%<80			max	°C	+55
min max°C °C-25 +70Relative humidity%<80		Storage temperature			
Relative humidity%<80Maximum Pollution degree2Mechanical environmentClass M1Magnetic environmentClass E1			min	°C	-25
Maximum Pollution degree2Mechanical environmentClass M1Magnetic environmentClass E1			max	°C	+70
Maximum Pollution degree2Mechanical environmentClass M1Magnetic environmentClass E1	Relative humidity			%	<80
Mechanical environment Class M1 Magnetic environment Class E1		degree			
5					Class M1
5	Magnetic environme	nt			Class E1
	Dimensions				



Wiring diagrams



LINE 380-415V (L-L) 220-240V (L-N)		
220-240V (L-N)	Tariff input 100240VAC	
	M1 M2 M1 M2 M-BUS	
Certifications and	l compliance	
Compliance		
·	EN50470-1	
	EN50470-3	
	TR 50579	
Certificates		
	EAC	
	MID (moduli B + D)	
	RCM	
ETIM classification	n	
		EC001506 -

ETIM 8.0

EC001506 -Kilowatt-hour meter

DMED302MID