

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



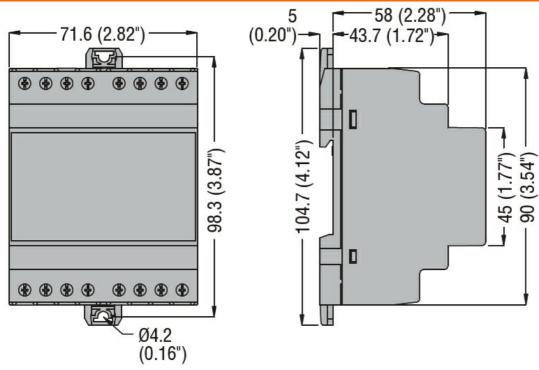
Product designation			Three-phase energy meters
Product type designation			DMED302MID
Туре			Three-phase + neutral
DIN rail module number			4
Auxiliary supply Us			
Operational frequency			
	min	Hz	50
Power consumption	Max	VA	20
Power dissipation Max	Max	W	1.35
Measuring voltage inputs		vv	1.00
Rated 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