

## **DMED300T2MID** ENERGY METER, THREE-PHASE WITH NEUTRAL, NON EXPANDABLE, MID CERTIFIED, 80A DIRECT CONNECTION, 4U, 2 PROGRAMMABLE STATIC OUTPUTS, MULTI-MEASUREMENTS

Product designation			Three-phase
Product type designation			energy meters DMED300T2MID
			Three-phase +
Туре			neutral
DIN rail module number			4
Auxiliary supply Us			
Operational frequency			50
	min	Hz	50
Power consumption	Ν.		00
Den en l'actual de Ma	Max	VA	20
Power dissipation Max		W	1.35
Measuring voltage inputs			
Rated voltage (Ue)	nhaaa nhaaa		100
	phase-phase	VAC VAC	400
	phase-neutral	VAC	230
Operating voltage range	nhasa nhasa	VAC	323456
	phase-phase phase-neutral	VAC	187264
Connection method	priase-rieutrai	VAC	Direct
Current			Dilect
IEC maximum (Imax)		А	80
IEC minimum (Imin)		A	0.5
IEC rated (Iref-Ib)		A	10
IEC start (Ist)		mA	40
Transition (ltr)		A	1
Accuracy			
	Active energy		Class B (EN 50470-3)
	Reactive energy		Class 2 (IEC/EN 62053-23)
Output characteristics			
LED Pulse rate		pulse/kWh	1000
LED Pulse duration		ms	30
Static output pulse rate		pulse/kWh	1-10-100-1000 programmable
Static output pulse duration		ms	100 for 1-10-10 pulse; 60 for 1000 pulse
Static output external voltage		VDC	1030
Static outputs Maximum current		mA	50
Insulations			
Rated insulation voltage Ui IEC/EN		V	250
Rated impulse withstand voltage Uimp		kV	6
Operating frequency withstand voltage		kV	4
Mechanical features			

DMED300T2MID 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



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ENERGY AND AUTOMATION

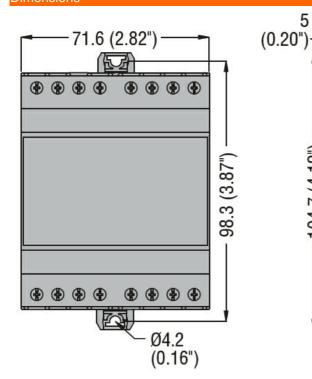
Housing type			Polyamide
Terminals type			Fixed
Conductor cross section			
	min	mm²	2.5
	Max	mm²	25
	min	AWG	14
	Max	AWG	4
Tightening torque (Max)			
		Nm	2
		lbin	17.7
Fixing			Din rail
Weight		g	360
Ambient conditions			
Temperature			
Operating temperature			
	min	°C	-25
	max	°C	+55
Storage temperature			
	min	°C	-25
	max	°C	+70
Relative humidity		%	<80
Maximum Pollution degree			2
Mechanical environment			Class M1
Magnetic environment			Class E2
Dimensions			

\_\_\_\_58 (2.28") -43.7 (1.72")<del>-</del>

> 45 (1.77") 90 (3.54")

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104.7 (4.12")



## Wiring diagrams



ENERGY METER, THREE-PHASE WITH NEUTRAL, NON EXPANDABLE, MID CERTIFIED, 80A DIRECT CONNECTION, 4U, 2 PROGRAMMABLE STATIC OUTPUTS, MULTI-MEASUREMENTS

LINE 380-415V (L-L) 220-240V (L-N) Tariff input 100...240VAC Ļ L1 L2 L3 Ν T2 N Static TO2 01 +

L2 L3 L1 Pulse output 30VDC 50mA ŧ ŧ LOAD

## Certifications and compliance

Compliance

	EN50470-1	
	EN50470-3	
	TR 50579	
Certificates		
	EAC	
	MID (moduli B + D)	
	RCM	
ETIM classificati	on	
		EC001506 -
ETIM 8.0		Kilowatt-hour

Kilowatt-hour meter