

# **DMED110T1MID** ENERGY METER, SINGLE-PHASE, MID CERTIFIED, NON EXPANDABLE, 40A DIRECT CONNECTION, 1U, 1 PROGRAMMABLE STATIC OUTPUT, MULTI-MEASUREMENTS, 230VAC



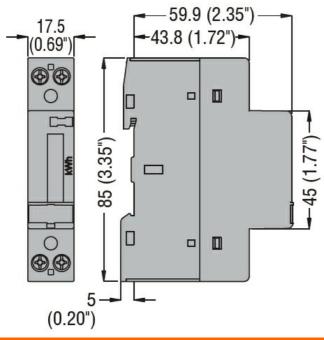
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Product designation			Single-phase energy meters	
Product type designation			DMED110T1MI	
Туре			single-phase	
DIN rail module number			1	
Auxiliary supply Us				
Operational frequency		-		
	min	Hz	50	
Power consumption				
	Max	VA	7	
Power dissipation Max		W	0.45	
Measuring voltage inputs				
Rated voltage (Ue)				
	phase-neutral V	'AC	230	
Operating voltage range				
	phase-neutral V	'AC	184264	
Connection method	· · ·		Direct	
Current				
IEC maximum (Imax)		А	40	
IEC minimum (Imin)		А	0.25	
IEC rated (Iref-lb)		A	5	
IEC start (Ist)	r	nA	20	
Transition (Itr)		A	0.5	
Accuracy				
	Active energy		Class B (EN 50470-3)	
	Reactive energy		Class 2 (IEC/EN 62053-23)	
Output characteristics				
LED Pulse rate	puls	pulse/kWh 1000		
LED Pulse duration	1	ns	30	
Static output pulse rate	puls	e/kW	h 1-10-10-1000 programmable	
Static output pulse duration	I	ns	100	
Static output external voltage	V	DC	1030	
Static outputs Maximum current		nΑ	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				
Housing type			Polyamide	
Terminals type			Fixed	
Conductor cross section				
	min n	۱m²	1.5	



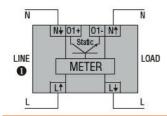
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	Μ	lax	mm²	10
	n	nin	AWG	16
	Μ	lax	AWG	6
Tightening torque (Max)				
			Nm	1.5
			lbin	14
Fixing				Din rail
Weight			g	90
Ambient conditions				
Temperature				
Operating tem	ature			
	n	nin	°C	-25
	m	ax	°C	+55
Storage tempe	ure			
	n	nin	°C	-25
	m	ax	°C	+70
Relative humidity			%	<80
Maximum Pollution degree				2
Mechanical environment				Class M1
Magnetic environment				Class E2

Dimensions



## Wiring diagrams



#### Certifications and compliance

### Compliance

EN50470-1	
EN50470-3	
TR 50579	

DMED110T1MID 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

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Certificates EAC MID (moduli B + D) RCM ETIM classification EQ001500

ETIM 8.0

EC001506 -Kilowatt-hour meter