



Product designation

Product type designation

Type

DIN rail module number

Three-phase  
energy meters  
DMED300T2MID  
+ UTF  
CERTIFICATE  
Three-phase +  
neutral  
4

**Auxiliary supply  $U_s$**

Operational frequency

min Hz 50

Power consumption

Max VA 20

Power dissipation Max

W 1.35

**Measuring voltage inputs**

Rated voltage ( $U_e$ )

phase-phase VAC 400  
phase-neutral VAC 230

Operating voltage range

phase-phase VAC 323...456  
phase-neutral VAC 187...264

Connection method

Direct

**Current**

IEC maximum ( $I_{max}$ )

A 80

IEC minimum ( $I_{min}$ )

A 0.5

IEC rated ( $I_{ref-Ib}$ )

A 10

IEC start ( $I_{st}$ )

mA 40

Transition ( $I_{tr}$ )

A 1

**Accuracy**

Active energy Class 1 (IEC/EN 62053-21)

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 10...30

Static outputs Maximum current

mA 50

**Insulations**

Rated insulation voltage  $U_i$  IEC/EN

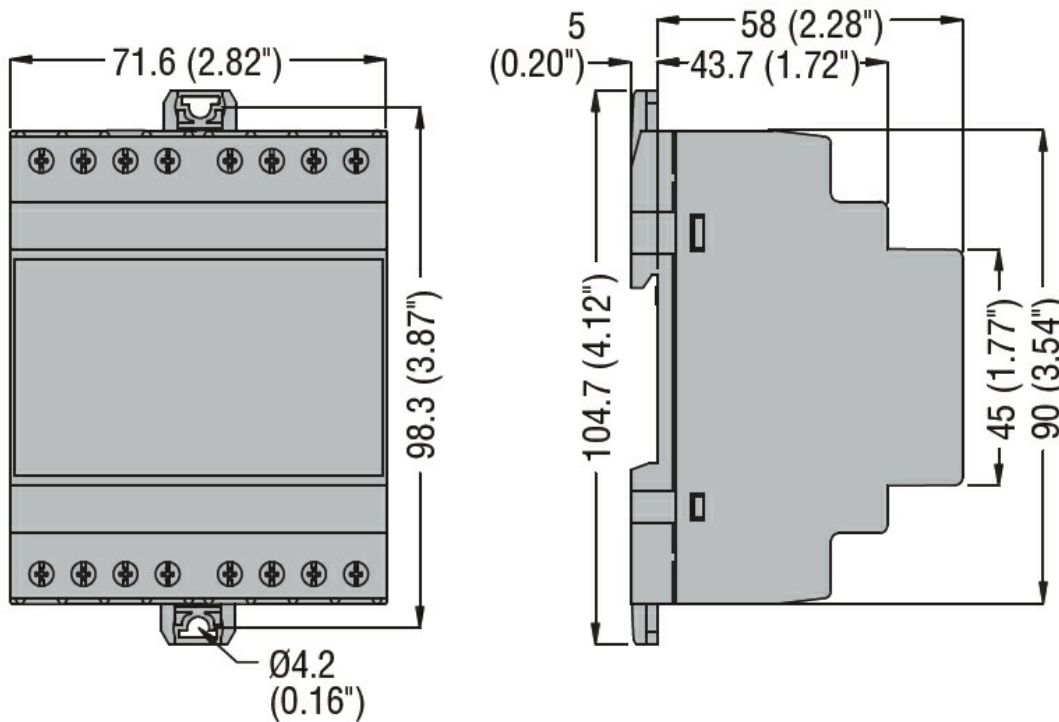
V 250

Rated impulse withstand voltage  $U_{imp}$

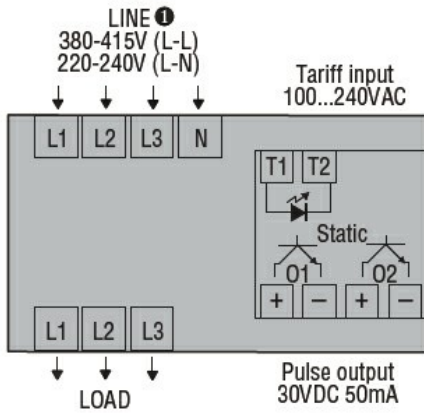
kV 6

Operating frequency withstand voltage	kV	4
<b>Mechanical features</b>		
Housing type		Polyamide
Terminals type		Fixed
Conductor cross section	min	mm <sup>2</sup> 2.5
	Max	mm <sup>2</sup> 25
	min	AWG 14
	Max	AWG 4
Tightening torque (Max)	Nm	2
	lbin	17.7
Fixing		Din rail
Weight	g	360
<b>Ambient conditions</b>		
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 E1

**Dimensions**



**Wiring diagrams**



### Certifications and compliance

#### Compliance

EN50470-1

EN50470-3

TR 50579

#### Certificates

MID (moduli B + D)

RCM

### ETIM classification

ETIM 8.0

EC001506 -  
Kilowatt-hour  
meter