



Product designation

Product type designation

Type

DIN rail module number

Three-phase
energy meters
DMED300T2UL
Three-phase +
neutral
4

Auxiliary supply U_s

Operational frequency

max Hz 60

Power consumption

Max VA 20

Power dissipation Max

W 1.35

Measuring voltage inputs

Rated voltage (U_e)

phase-phase VAC 240
phase-neutral VAC 120

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} - I_b)

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

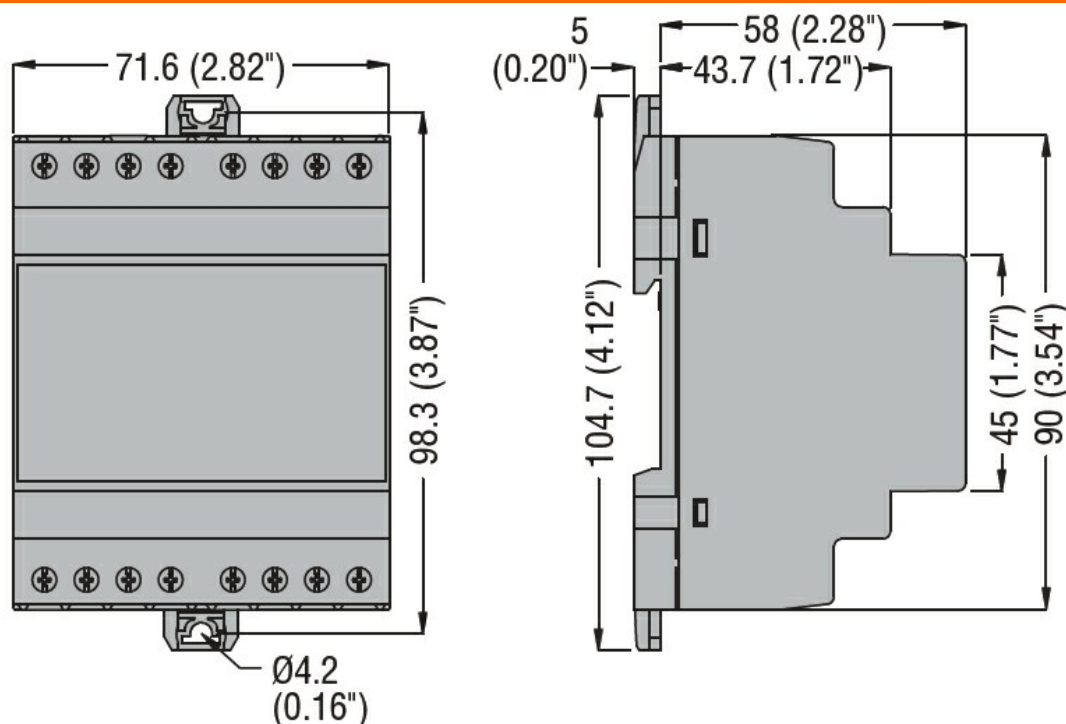
Operating frequency withstand voltage

kV 4

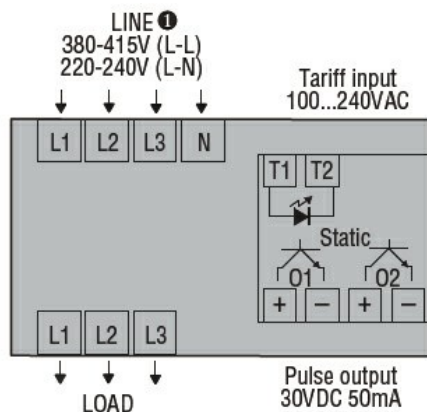
Mechanical features

Housing type	Polyamide		
Terminals type	Fixed		
Conductor cross section			
	min	mm ²	2.5
	Max	mm ²	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 +10
Relative humidity		%	<80
Maximum Pollution degree			2

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 50470-1
IEC/EN 61010-1
IEC/EN 61010-2-030

Certificates

cULus
EAC
RCM

ETIM classification

ETIM 8.0

EC001506 -
Kilowatt-hour
meter