



Product designation

Product type designation

Type

DIN rail module number

Three-phase  
energy meters  
DMED341MID7  
Three-phase +  
neutral  
4

#### Auxiliary supply $U_s$

Auxiliary operating voltage range  
AC

	Max	VAC	456
Operational frequency	min	Hz	45
	max	Hz	66

Rated frequency		Hz	50
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Power consumption	Max	VA	2.4
Power dissipation Max		W	0.8

#### 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
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#### 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 B (EN 50470-3)
Reactive energy		Class 2 (IEC/EN 62053-23)

#### RS485 serial interface

Baud rate	bps	Programmable 1200...38400
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#### Insulations

Rated insulation voltage $U_i$ IEC/EN	V	300
Rated impulse withstand voltage $U_{imp}$	kV	6
Operating frequency withstand voltage	kV	4

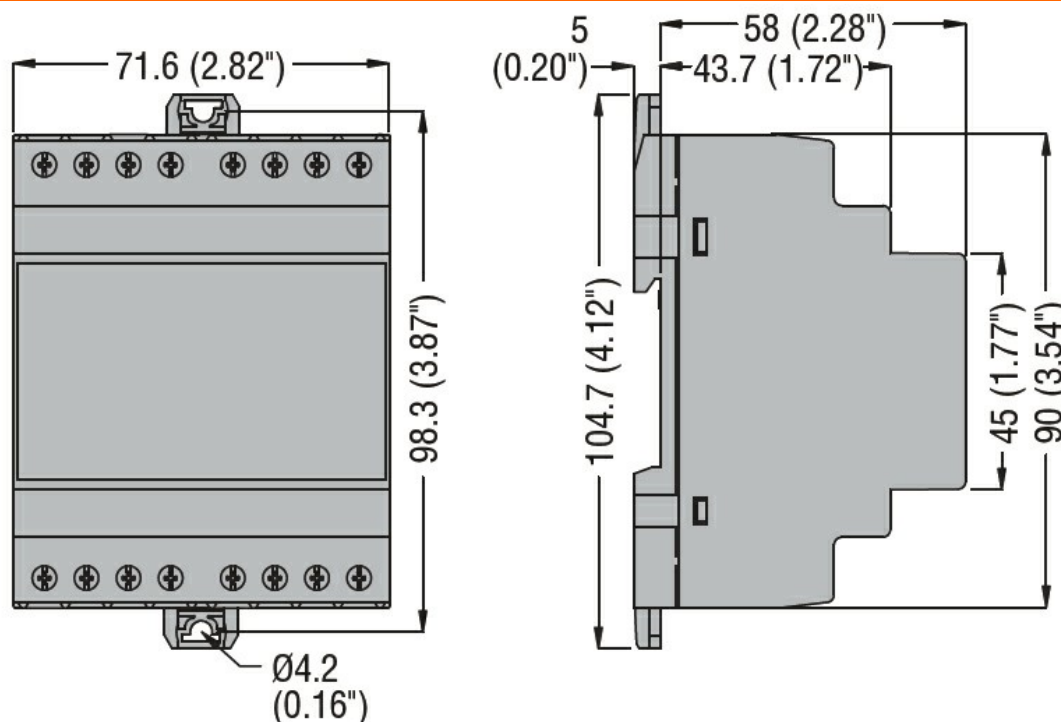
#### Functions

Type of communication port		RS485
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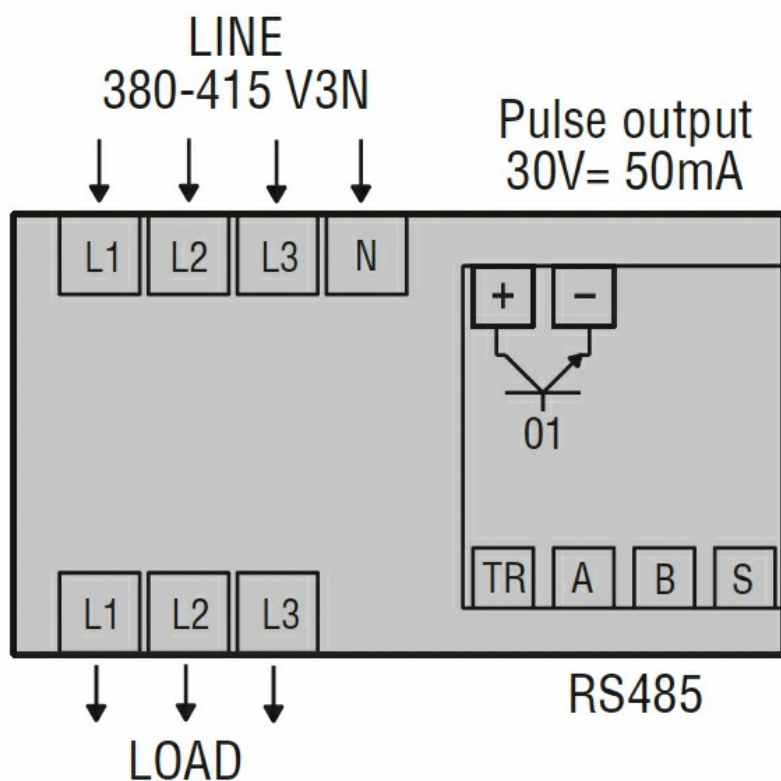
#### Mechanical features

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 +70
	Storage temperature		
		min	°C -25
		max	°C +70
Relative humidity		%	<80
Max altitude		m	2000
Maximum Pollution degree	2		
Overvoltage category	III		
Protection degree	IP40 (Front)		
Mechanical environment	Class M1		
Magnetic environment	Class E2		

## Dimensions



## Wiring diagrams



## Certifications and compliance

### Compliance

BS EN 50470-3  
IEC/EN/BS 62052-11  
IEC/EN/BS 62052-31  
VDE-AR-E 2418-3-100

### Certificates

EAC  
MID (moduli B + D)  
MIR

## ETIM classification

ETIM 8.0

EC001506 -  
Kilowatt-hour  
meter