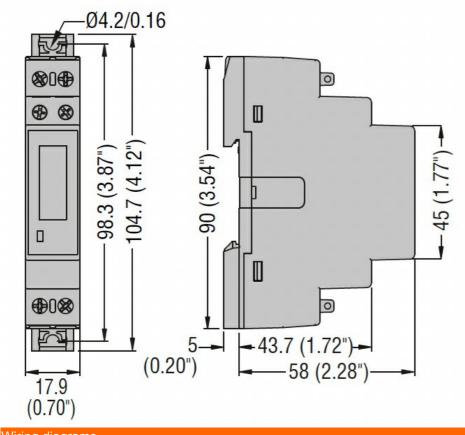
ENERGY METER, SINGLE-PHASE, NON EXPANDABLE, DIGITAL WITH LCD DISPLAY, 40A DIRECT CONNECTION, 1U, RS485 INTERFACE, MULTI-MEASUREMENTS, 220...240VAC

Product designation			Single-phase energy meters
Product type designation Type DIN rail module number			DMED111 single-phase 1
Auxiliary supply Us			
Operational frequency			
	min max	Hz Hz	50 60
Power consumption	Max	VA	1
Power dissipation Max		W	0.4
Measuring voltage inputs			
Rated voltage (Ue)	phase-neutral	VAC	110120 / 220 240
Operating voltage range	phase-neutral	VAC	93264
Connection method			Direct
Current			
1=0 . (1 .)			4.0
IEC maximum (Imax)		A	40
IEC minimum (Imin)		Α	0.25
IEC minimum (Imin) IEC rated (Iref-Ib)		A A	0.25 5
IEC minimum (Imin) IEC rated (Iref-lb) IEC start (Ist)		A A mA	0.25 5 20
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr)		A A	0.25 5
IEC minimum (Imin) IEC rated (Iref-lb) IEC start (Ist)		A A mA	0.25 5 20 0.5
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr)	Active energy	A A mA	0.25 5 20 0.5 Class 1 (IEC/EN 62053-21)
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr)	Active energy Reactive energy	A A mA	0.25 5 20 0.5 Class 1 (IEC/EN
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr)		A A mA	0.25 5 20 0.5 Class 1 (IEC/EN 62053-21) Class 2 (IEC/EN
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr) Accuracy RS485 serial interface Baud rate		A A mA	0.25 5 20 0.5 Class 1 (IEC/EN 62053-21) Class 2 (IEC/EN
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr) Accuracy RS485 serial interface Baud rate Insulations		A A mA A	0.25 5 20 0.5 Class 1 (IEC/EN 62053-21) Class 2 (IEC/EN 62053-23) Programmable 120038400
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr) Accuracy RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN		A A MA A bps	0.25 5 20 0.5 Class 1 (IEC/EN 62053-21) Class 2 (IEC/EN 62053-23) Programmable 120038400
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr) Accuracy RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp		A A MA A	0.25 5 20 0.5 Class 1 (IEC/EN 62053-21) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr) Accuracy RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage		A A MA A bps	0.25 5 20 0.5 Class 1 (IEC/EN 62053-21) Class 2 (IEC/EN 62053-23) Programmable 120038400
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr) Accuracy RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Mechanical features		A A MA A	0.25 5 20 0.5 Class 1 (IEC/EN 62053-21) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6 4
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr) Accuracy RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Mechanical features Housing type		A A MA A	0.25 5 20 0.5 Class 1 (IEC/EN 62053-21) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6 4 Polyamide
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr) Accuracy RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Mechanical features Housing type Terminals type		A A MA A	0.25 5 20 0.5 Class 1 (IEC/EN 62053-21) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6 4
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr) Accuracy RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Mechanical features Housing type	Reactive energy	A A MA A A B bps V kV kV	0.25 5 20 0.5 Class 1 (IEC/EN 62053-21) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6 4 Polyamide Fixed
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr) Accuracy RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Mechanical features Housing type Terminals type	Reactive energy	A A MA A bps V kV kV	0.25 5 20 0.5 Class 1 (IEC/EN 62053-21) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6 4 Polyamide Fixed 1.5
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr) Accuracy RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Mechanical features Housing type Terminals type	Reactive energy min Max	A A MA A bps V kV kV	0.25 5 20 0.5 Class 1 (IEC/EN 62053-21) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6 4 Polyamide Fixed 1.5 10
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr) Accuracy RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Mechanical features Housing type Terminals type	Reactive energy min Max min	A A MA A bps V kV kV mm² AWG	0.25 5 20 0.5 Class 1 (IEC/EN 62053-21) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6 4 Polyamide Fixed 1.5 10 16
IEC minimum (Imin) IEC rated (Iref-Ib) IEC start (Ist) Transition (Itr) Accuracy RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Mechanical features Housing type Terminals type	Reactive energy min Max	A A MA A bps V kV kV	0.25 5 20 0.5 Class 1 (IEC/EN 62053-21) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6 4 Polyamide Fixed 1.5 10

ENERGY AND AUTOMATION

ENERGY METER, SINGLE-PHASE, NON EXPANDABLE, DIGITAL WITH LCD DISPLAY, 40A DIRECT CONNECTION, 1U, RS485 INTERFACE, MULTI-MEASUREMENTS, 220...240VAC

			Nm	1.5
			lbin	14
Fixing				Din rail
Weight			g	90
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-25
		max	°C	+70
Relative humidity			%	<80
Maximum Pollution d	egree			2
Mechanical environm	ient			Class M1
Magnetic environmer	nt			Class E1
Dimensions				

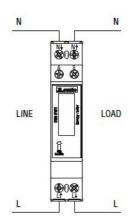


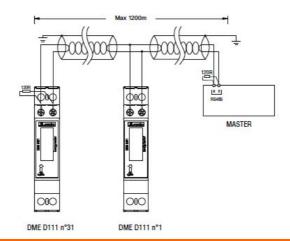
Wiring diagrams





ENERGY METER, SINGLE-PHASE, NON EXPANDABLE, DIGITAL WITH LCD DISPLAY, 40A DIRECT CONNECTION, 1U, RS485 INTERFACE, MULTI-MEASUREMENTS, 220...240VAC





Certifications and compliance

Compliance

IEC/EN 61000-6-2

IEC/EN 61000-6-3

IEC/EN 61010-1

Certificates

CB

RCM

ETIM classification

ETIM 8.0

EC001506 -Kilowatt-hour meter