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ENERGY METER, THREE-PHASE WITH NEUTRAL, NON EXPANDABLE, MID CERTIFIED, 80A DIRECT CONNECTION, 4U, RS485 INTERFACE, MULTI-MEASUREMENTS

			500 ± Vienn
Product designation			Three-phase energy meters
Product type designation			DMED301MID
Type			Three-phase + neutral
DIN rail module number			4
Auxiliary supply Us			
Operational frequency	min	Hz	50
Power consumption	111111	П	50
rower consumption	Max	VA	20
Power dissipation Max	IVIAX	W	1.35
Measuring voltage inputs		V V	1.00
Rated voltage (Ue)			
5	phase-phase	VAC	400
	phase-neutral	VAC	230
Operating voltage range			
	phase-phase	VAC	323456
	phase-neutral	VAC	187264
Connection method			Direct
Current			
IEC maximum (Imax)		Α	80
IEC minimum (Imin)		A	0.5
IEC rated (Iref-Ib)		A	10
Transition (Itr)		mA A	40
Transition (itr)		А	1
Accuracy	Active energy		Class B (EN 50470-3)
			Class B (EN 50470-3) Class 2 (IEC/EN
Accuracy	Active energy Reactive energy		50470-3)
			50470-3) Class 2 (IEC/EN 62053-23)
Accuracy		bps	50470-3) Class 2 (IEC/EN
RS485 serial interface Baud rate Insulations		bps	50470-3) Class 2 (IEC/EN 62053-23) Programmable 120038400
RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN		bps V	50470-3) Class 2 (IEC/EN 62053-23) Programmable 120038400
RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp		bps V kV	50470-3) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6
RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage		bps V	50470-3) Class 2 (IEC/EN 62053-23) Programmable 120038400
RS485 serial interface Baud rate Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Mechanical features		bps V kV	50470-3) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6 4
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		bps V kV	50470-3) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6 4 Polyamide
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		bps V kV	50470-3) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6 4
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	bps V kV kV	50470-3) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6 4 Polyamide Fixed
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	bps V kV kV	50470-3) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6 4 Polyamide Fixed 2.5
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	bps V kV kV	50470-3) Class 2 (IEC/EN 62053-23) Programmable 120038400 250 6 4 Polyamide Fixed



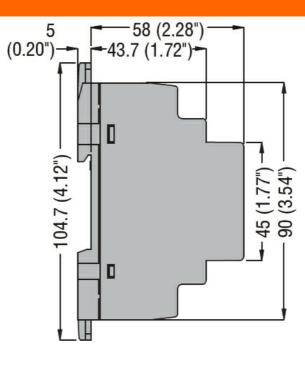
ENERGY AND AUTOMATION

Dimensions

ENERGY METER, THREE-PHASE WITH NEUTRAL, NON EXPANDABLE, MID CERTIFIED, 80A DIRECT CONNECTION, 4U, RS485 INTERFACE, MULTI-MEASUREMENTS

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	+70
Relative humidity		%	<80
Maximum Pollution degree			2
Mechanical environment			Class M1
Magnetic environment	_		Class E2

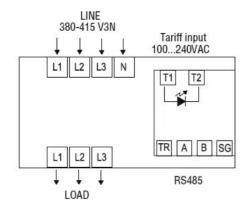
71.6 (2.82") (*) (*) (*) (*) (*) (*) (*) (*)

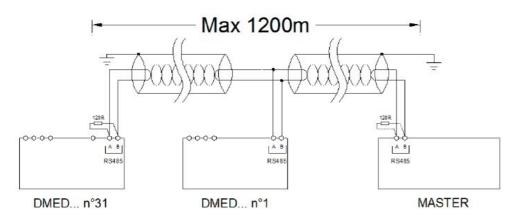


Wiring diagrams

ENERGY AND AUTOMATION

ENERGY METER, THREE-PHASE WITH NEUTRAL, NON EXPANDABLE, MID CERTIFIED, 80A DIRECT CONNECTION, 4U, RS485 INTERFACE, MULTI-MEASUREMENTS





Certifications and compliance

Compliance

EN50470-1

EN50470-3

TR 50579

Certificates

EAC

MID (moduli B + D)

RCM

ETIM classification

ETIM 8.0

EC001506 -Kilowatt-hour meter