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

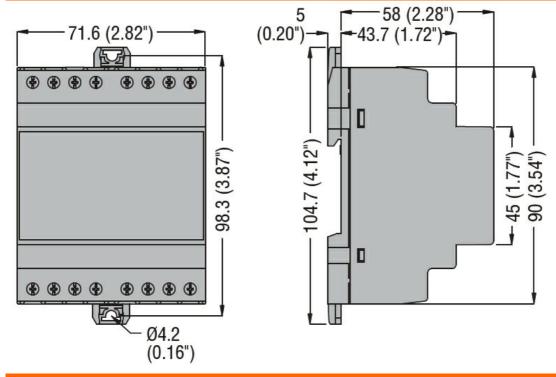
Product designation Interplace energy meters energy				500 1 YELL
Product type designation	Product designation			•
Type DIN rail module number Auxiliary supply Us Operational frequency min				= -
Divide D				
Auxiliary supply US Operational frequency min max Hz 50 max Hz 60	туре			neutral
Operational frequency min Max Hz 50 max Max VX 20 Power dissipation Max Massuring voltage inputs Rated voltage (Ue) phase-phase phase pha				4
Power consumption				
Power consumption	Operational frequency	min	Hz	50
Power consumption				
Power dissipation Max	Power consumption			
Measuring voltage inputs Rated voltage (Ue) phase-phase phase		Max	VA	20
Rated voltage (Ue) phase-phase phase phase-neutral VAC v	-		W	1.35
Operating voltage range phase-phase phase phase neutral VAC				
phase-neutral VAC 220240 Operating voltage range phase-phase phase phase phase phase phase-neutral VAC 323456 phase-neutral VAC 323456 phase-neutral VAC 1871264 Connection method Direct Text of the control of the c	Rated voltage (Ue)			
Operating voltage range phase-phase phase ph				
Connection method phase-neutral phase phase phase phase phase phase phase phase phase-neutral vAC VAC 187264 Connection method Direct Courrent IEC maximum (Imax) A 80 IEC minimum (Imin) A 0.5 IEC rated (Iref-Ib) A 10 IEC start (Ist) A 1 Transition (Itr) A 1 Accuracy *** Class 1 (IEC/EN 62053-21) Reactive energy Class 2 (IEC/EN 62053-23) Restation interface *** Programmable 120038400 Insulations *** Rated insulation voltage Ui IEC/EN V 250 Rated impulse withstand voltage Uimp kV 6 Operating frequency withstand voltage kV 4 Mechanical features Polyamide Terminals type Polyamide Terminals type Fixed Conductor cross section Max min mm² 2.5	Operating voltage range	pnase-neutrai	VAC	220240
Phase-neutral VAC 187264 Connection method Direct	Operating voltage range	nhase-nhase	VAC	323 456
Connection method				
Current EC maximum (Imax) A 80 EC minimum (Imin) A 0.5 IEC rated (Iref-Ib) A 10 IEC start (Ist) mA 60 Transition (Itr) A 1 Accuracy Class 1 (IEC/EN 62053-21) Reactive energy Class 2 (IEC/EN 62053-23) RS485 serial interface Programmable 120038400 Insulations V 250 Rated insulation voltage Ui IEC/EN V 250 Rated impulse withstand voltage Uimp kV 6 Operating frequency withstand voltage kV 4 Mechanical features Polyamide Housing type Polyamide Terminals type Fixed Conductor cross section min min mm² 2.5 Max mm² 2.55	Connection method	pridot riodinar		
EC minimum (Imin)	Current			
IEC rated (Iref-Ib)	IEC maximum (Imax)		Α	80
EC start (lst)	IEC minimum (Imin)		Α	0.5
Transition (ltr) A 1 Accuracy Active energy features Class 1 (IEC/EN 62053-21) Class 2 (IEC/EN 62053-21) RS485 serial interface V 62053-23) Baud rate bps Programmable 120038400 Insulations V 250 Rated insulation voltage Ui IEC/EN V 250 Rated impulse withstand voltage Uimp kV 6 Operating frequency withstand voltage kV 4 Mechanical features Fixed Housing type Polyamide Terminals type Fixed Conductor cross section min mm² 2.55 Max mm² 2.55 Max mm² 2.55				
Accuracy Active energy Reactive energy Class 1 (IEC/EN 62053-21) (E02053-21) (E02053-21) (E02053-23) RS485 serial interface bps Programmable 120038400 Insulations V 250 Rated insulation voltage Ui IEC/EN V 50 Rated impulse withstand voltage Uimp kV 6 Operating frequency withstand voltage kV 4 Mechanical features Polyamide Terminals type Fixed Conductor cross section min mm² (2.5 mm²)				
Active energy			Α	1
Reactive energy Class 2 (IEC/EN 62053-23) RS485 serial interface Baud rate bps Programmable 120038400 Insulations Rated insulation voltage Ui IEC/EN V 250 Rated impulse withstand voltage Uimp kV 6 Operating frequency withstand voltage WV 4 Mechanical features Housing type Polyamide Terminals type Polyamide Terminals type Conductor cross section min mm² 2.5 Max mm² 2.5 Max mm² 2.5	Accuracy	Active energy		
Baud rate bps Programmable 120038400 Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Mechanical features Housing type Terminals type Conductor cross section min mm² 2.5 Max mm² 25		Reactive energy		Class 2 (IEC/EN
Insulations Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage Housing type Terminals type Conductor cross section Max mm² 2.5 Max mm²	RS485 serial interface			
Rated insulation voltage Ui IEC/EN Rated impulse withstand voltage Uimp Operating frequency withstand voltage kV 4 Mechanical features Housing type Terminals type Conductor cross section min mm² 2.5 Max mm² 25			bps	
Rated impulse withstand voltage Uimp Operating frequency withstand voltage kV 4 Mechanical features Housing type Terminals type Conductor cross section min mm² 2.5 Max mm² 25			\/	250
Operating frequency withstand voltage kV 4 Mechanical features Housing type Polyamide Terminals type Fixed Conductor cross section min mm² 2.5 Max mm² 25				
Mechanical features Housing type Terminals type Conductor cross section min mm² 2.5 Max mm² 25				
Housing type Terminals type Conductor cross section min mm² 2.5 Max mm² 25	· • • •		IX V	·
Terminals type Conductor cross section min mm² 2.5 Max mm² 25				Polyamide
Conductor cross section min mm² 2.5 Max mm² 25				
Max mm² 25				
		min	mm²	2.5
min AWG 14		Max		
		min	AWG	14



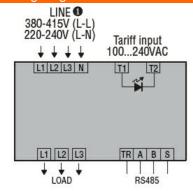
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		Max	AWG	4
Tightening torque (Ma	x)			
			Nm	2
			lbin	17.7
Fixing				Din rail
Weight			g	360
Ambient conditions				
Temperature				
	Operating temperature			
		min	°C	-25
		max	°C	+55
	Storage temperature			
		min	°C	-25
		max	°C	+70
Relative humidity			%	<80
Maximum Pollution degree				2

Dimensions



Wiring diagrams



Certifications and compliance

Compliance

IEC/EN 50470-1



ETIM 8.0

DMED301

Kilowatt-hour meter

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	IEC/EN 61010-1	
	IEC/EN 61010-2-030	
Certificates		
	EAC	
	RCM	
ETIM classification	1	
		EC001506 -

The characteristics described in this document are subject to updates or modifications at any time. The descriptions, technical and functional information, illustrations and instructions in this brochure are purely illustrative, and are consequently not contractually binding