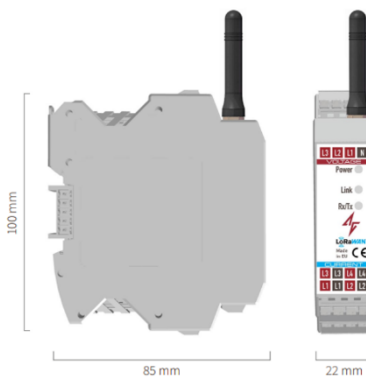


DATASHEET

Product information LORA281400-EM-100A-EU868

Name	LORA281400-EM-100A-EU868	
		
	iQunet Wireless Energy Monitor 400V / 100A	
Product specifications		
Connection	Type:	4-wire, 3-phase with Neutral
	Voltage:	Direct connected to phase (L1,L2,L3,N); cable set length 1500mm
	Current:	Split core current transformers (L1,L2,L3); cable set length 2000mm
Voltage	Nominal working voltage, U_n :	3 phase 3x230V+N / Line voltage 400 V
	Working voltage range:	$0.5 \times U_n \dots 1.15 \times U_n$
	Nominal frequency:	50 Hz
Current	Nominal current, I_n :	100A
	Max current, I_{max} :	120A
	Min current, I_{min} :	$0.05 \cdot I_n$
	Starting current, I_{st} :	$0.002 \cdot I_n$
Registered parameters	Voltage:	RMS
	Current:	RMS, max instantaneous value
	Active power:	By phase, total
	Reactive power:	By phase
	Apparent power:	By phase, total
	Power factor:	Absolute value, sign, inductive / capacitive
	Active energy:	By phase, total, direction, load profile
Conformity	Certification:	CE
	Precision class:	B (according to EN 50470-3)
Intrinsic consumption	Voltage circuits:	5 VA
	Current circuits:	-
Data transfer	Interface:	LoRaWAN EU868MHz
	Data type:	Measurements, time synchronization, diagnostic / configuration
Physical	Dimensions (HxLxW):	100 x 85 x 22 mm ; Height incl. antenna H=140 mm
	Weight:	150 g (excl. CT's and cable sets)
	Mounting:	On 35 mm DIN-rail
	Enclosure:	Polyamide plastic, UL94-V0
	External connections:	Spring type or screw connectors
Operating conditions	IP protection class:	IP40
	Working temperature:	-40°C to +70°C