



EM415-Mb

single phase energy meter-100A-M-bus

MID approved with appendix "B" and "D" certification

Single phase metering 4 din modules

Direct metering up to 100A

LCD display, 6 integer 1 decimal

Clear green backlight display

S0 pulse output

Smart communication port

M-bus output

Accuracy class B according to EN50470-3

Accuracy class 1 according to IEC62053-21

Memory back-up (EEPROM)



Characteristics

Type of measurement	kWh
Rated current	10A
Rated voltage	230V
Frequency (Hz)	50 or 60Hz
Maximum current	100A
Maximum value measured	999999.9kWh
Power consumption	<2W 10VA
Current terminals flexible 1×mm ²	0-16mm ²
M- bus cable	JYSTY (n×2×0.8)
another terminal flexible 1×mm ²	0-2.5mm ²

M-bus output

Data format	8 data bit, Even, 1 stop bit
Protocol	EN13757-3, EN1434
Baud Rate(bps)	300, 2400(default), 9600
Bus loading(pcs)	≤380m 250 ≤3600m 64

General data

Pulse width(ms)	80
Pulse constant(imp/kWh)	1600
LED constant(imp/kWh)	1600

Dimension

Width (mm)	76
Height (mm)	104.5
Depth (mm)	60

Environmental

Operating temperature	-25°C - +55°C
Storage temperature	-40°C - +70°C