



## CEM-C21c-MID

CEM-C21-485-T1-MID, Direct three-phase energy meter with communications and MID certificate

Code: Q22542.

- > Protocol: Modbus/RTU
- > Módulos: 4
- > Tariff: 1
- > Certification: MID
- > Communications: RS-485
- > Transistor output: 1
- > System: Three-phase
- > Measure: Direct
- > Measurement Range (V): 3 x 127/220...3 x 230/400
- > Measurement Range (A): 5 (65) A
- > Max. Current (A): 65

## Specifications

### AC power supply

Installation category	CAT III 300 V
Consumption	< 2 W, 10 VA
Frequency	50 ... 60 Hz
Nominal voltage	230 V / 400 V ~ (± 20 %)

### Environmental characteristics

Relative humidity (without condensation)	5 ... 95 %
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### Current measurement circuit

Consumption	0.3 VA ... 10 A
Reference current (Iref)	5 A
Maximum current	65 A
Minimum current measurement	0.250 A
Transition current	0.500 A

### Voltage measurement circuit

Consumption	< 2W , < 10VA (In, Vref)
Nominal frequency	50 / 60 Hz
Nominal voltage	3 x 127/220 ... 3 x 230/400 V ~

### Electrical characteristics

Insulation voltage, circuit	4 kV RMS 50 Hz durante 1 min
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### Standards

Electrical safety, Maximum height (m)	2000
Standards	EN 50470-1, EN 50470-3, IEC 62053-21, IEC 62053-23, EN 62056-21



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### User interface

LED	2 LED: kWh, 4000 imp/kWh, kvarh, 4000 imp/kvarh
Keyboard	2 Keys
Display type	LCD
Maximum value	999999.9 kWh

### Digital transistor outputs

Quantity	1
Pulse output, time period (Ton / Toff)	Ton: 40 ms
Maximum current	50 mA
Maximum voltage	24 Vcc

### Measurement accuracy

Reactive energy measurement (kvarh)	Class 2.0 (IEC 62053-23)
Active energy measurement (kWh)	Class B (EN 50470)

### Serial communication

Protocol	Modbus RTU
Technology / Type	RS-485

### Accesor-V2

Other charging accessories

CODE	TYPE	Output type	Connector type	Grid type	Earth leakage protection	Finished	No. Sockets	Charge mode	Communications	Measurement Range (V)	Measurement Range (A)	Protocol	Transistor output	Digital inputs	Tariff	Certification
V25330.	eHome Link T2C32	230 Vac - 32 A - 7,4 kW	Type 2 cable	Single-phase	6 mAdc											
V25370.	eHome Link T2S32	230 Vac - 32 A - 7,4 kW	Type 2 socket	Single-phase	6 mAdc											
V25380.	eHome Link T2S16 TRI	400 Vac - 16 A - 11 kW	Type 2 socket	Three-phase	6 mAdc											
V25390.	eHome Link T2C16 TRI	400 Vac - 16 A - 11 kW	Type 2 cable	Three-phase	6 mAdc											
<b>MASTER</b>																
V20635.	URBAN-WB MASTER M2-C1	230 Vca - 32 A - 7,4 kW	Type 1 cable	Single-phase												
<b>SLAVE</b>																
V20645.	URBAN-WB SLAVE M2-C1	230 Vca - 32 A - 7,4 kW	Type 1 cable	Single-phase												
V25030.	eHome T2C32	230 Vac - 32 A - 7,4 kW	Type 2 cable	Single-phase												
V25070.	eHome T2S32	230 Vac - 32 A - 7,4 kW	Type 2 socket	Single-phase												
V25080.	eHome T2S16 TRI	400 Vac - 16 A - 11 kW	Type 2 socket	Three-phase												
V25090.	eHome T2C16 TRI	400 Vac - 16 A - 11 kW	Type 2 cable	Three-phase												
V25530.	eHome 5 T2C32 N	230 Vac - 32 A - 7,4 kW	Type 2 cable	Single-phase		Black	1	3	Ethernet   Wi-Fi							



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V25573.	eHome 5 T2S32 M	230 Vac-32 A - 7,4 kW	Type 2 socket	Single-phase		Mix	1	3	Ethernet   Wi-Fi							
V25570.	eHome 5 T2S32 N	230 Vac-32 A - 7,4 kW	Type 2 socket	Single-phase		Black	1	3	Ethernet   Wi-Fi							
V25533.	eHome 5 T2C32 M	230 Vac-32 A - 7,4 kW	Type 2 cable	Single-phase		Mix	1	3	Ethernet   Wi-Fi							
V25543.	eHome 5 T2S32 TRI M	400 Vac - 32 A - 22 kW	Type 2 socket	Three-phase		Mix	1	3	Ethernet   Wi-Fi							
V25560.	eHome 5 T2C32 TRI N	400 Vac - 32 A - 22 kW	Type 2 cable	Three-phase		Black	1	3	Ethernet   Wi-Fi							
V27240.	ePark M-S2	230 Vac-32 A - 7,4 kW	Type 2 socket	Single-phase			1	3	Ethernet							
V27220.	ePark M-C2	230 Vac-32 A - 7,4 kW	Type 2 cable	Single-phase			1	3	Ethernet							
V27222.	ePark M-2C2	230 Vac-32 A - 7,4 kW	Type 2 cable	Single-phase			2	3	Ethernet							
V27244.	ePark M-2S2	230 Vac-32 A - 7,4 kW	Type 2 socket	Single-phase			2	3	Ethernet							
V27344.	ePark T-2S2 Gen3	400 Vac - 32 A - 22 kW	Type 2 socket	Three-phase	6 mA dc		2	3	Ethernet   WiFi							
V27420.	ePark T-C2	400 Vac - 32 A - 22 kW	Type 2 cable	Three-phase			1	3	Ethernet							
V27322.	ePark T-2C2 Gen3	400 Vac - 32 A - 22 kW	Type 2 cable	Three-phase	6 mA dc		2	3	Ethernet   WiFi							
V2744000000C2	ePark T-S2	400 Vac - 32 A - 22 kW	Type 2 socket	Three-phase			1	3	Ethernet							
V2742000000C2	ePark T-C2	400 Vac - 32 A - 22 kW	Type 2 cable	Three-phase			1	3	Ethernet							
V20693.	URBAN-WB T22 Gen3	400 Vca - 32 A - 22 kW	Type 2 socket	Three-phase												
V20625.	URBAN-WB M22-C1	230 Vca - 32 A - 7,4 kW	Type 1 cable	Single-phase												
V20696.	URBAN-WB T22-C2 Gen3	400 Vca - 32 A - 22 kW	Type 2 cable	Three-phase												
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V40197.	Soporte cable															