



CEM-C21c-MID

CEM-C21c-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 230/400
- > Measurement Range (A): 5 (100) A
- > Max. Current (A): 100

Specifications

AC power supply

Consumption	< 1 W, < 12 VA
Frequency	50 Hz
Nominal voltage	230 V \pm 20 % ~ (400 VPh-Ph \pm 20 %)

Environmental characteristics

Relative humidity (without condensation)	5 ... 95 %
Storage temperature	-40 .. +80 °C
Working temperature	-40 ... +70 °C

Mechanical characteristics

Envelope	PC+ABS
Fastening	DIN rail (IEC 60715)
Weight (kg)	0,38

Current measurement circuit

Reference current (Iref)	5 A
Maximum current	100 A
Minimum current measurement	0.250 A
Transition current	0.500 A

Voltage measurement circuit

Nominal frequency	50 Hz
Nominal voltage	3 x 230 Vph-n/400 Vph-ph ~

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, IEC 62052-11, EU Directive 2014/32/EU on Measuring Instruments Annex II, Module B

User interface

LED	2 LED: kWh, 1000 imp/kWh, kvarh, 1000 imp/kvarh
Keyboard	2 Keys
Display type	LCD
Maximum value	999999.9 kWh

Digital inputs

Quantity	1
Type	Potential free contact
Minimum signal width	Ton ≥ 200ms, Toff ≥ 200ms

Digital transistor outputs

Pulse width	100 ms
Quantity	1
Type	Optocoupler
Maximum current	27 mA
Maximum voltage	12 ... 27 Vcc

Measurement accuracy

Reactive energy measurement (kvarh)	Class 2 (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	Earth leakage protection	Circuit breaker protection	Surge Protection (SPD)	Modules	Poles	Energy meter	Surge Protection (SPD+PSP)	Contracted power (kW)	Cable (m)	In (A)	Grid type	Charger side	Vehicle side	Device	Description	Measurement Range (V)	Measurement Range (A)	Communications	Protocol	Transistor output	Digital inputs	Tariff	Certification
2 poles																								
V41231	COFRET-VE6-2P-20A	Type A	20 A	No	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V41232	COFRET-VE6-2P-20AS	Type A	20 A	Yes	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V41230	COFRET-VE8-2P-20AS 6DC	Type A + 6 mAOC	20 A	Yes	8	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V41261	COFRET-VE6-2P-40A	Type A	40 A	No	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V41262	COFRET-VE6-2P-40AS	Type A	40 A	Yes	6	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2 poles - Meter reconnection scheme 2																								
V4126X	COFRET-VE8-2P-40AS REC	Type A	40 A	-	8	2	-	Yes	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2 poles																								
V41266	COFRET-VE8-2P-40AS-MID	Type A	40 A	Yes	8	2	MID	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4 poles																								
V41461	COFRET-VE12-4P-40A	Type A	40 A	No	12	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V41462	COFRET-VE12-4P-40AS	Type A	40 A	Yes	12	4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
V42009	CirBEON-63	-	-	-	-	-	-	-	14,49	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Charging cables for Mode 3



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V40115	CONNEC T2-T2 M-32-5m									5	32	Single-phase	Type 2	Type 2										
V40232	Connet T2-T2 T-32-5m									5	32	Three-phase	Type 2	Type 2										
Cable support																								
V40402	Holder T2																							
V40331	PD20-WB1																							
V40332	PD20-WB2																							
V40311	PD10-FM1																							
V40312	PD10-FM2																							
V40326	PD26-ePark																							
V30012	RVE-CARD																							
V30010	RVE-CARD Key																							
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V40197	Supporte cable																							