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 PRODUCT-DETAILS

## B24 112-100

### B24 112-100, Energy meter'Steel', Modbus RS485, Three-phase, 1 A




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#### General Information

Extended Product Type	B24 112-100
Product ID	2CMA100178R1000
ABB Type Designation	B24 112-100
EAN	7392696001786
Catalog Description	B24 112-100, Energy meter'Steel', Modbus RS485, Three-phase, 1 A
Long Description	Advanced compact DIN-rail meter with an easy to read back lighted display. The meter is intended for use in the commercial or residential buildings etc. The meter can be used in 3 or 4 wire systems. The meter has several instrumentation values, 25 possible alarms and event logs. Three phase transformer connected for active energy. One output for pulses or alarm etc. RS-485 communication over Modbus RTU or EQ Bus. Accuracy class 1.0 (or B for MID meters). The meters is IEC approved + MID approved and verified.

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#### Eco Transparency

Environmental Product Declaration - EPD	9AKK108467A4138
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#### Technical

Standards	IEC 62053-21
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Function	Electricity meter
Sub-Function	Steel
Rated Voltage ( $U_r$ )	3x220-240 V
Voltage Range	3x176...276 V
Rated Current ( $I_n$ )	1 A
Current Rating	Maximum 6 A
Rated Frequency (f)	1 A
	50 / 60 Hz
	0.721 W
Communication Interface	Modbus RS485
Accuracy	Active Energy Class B MID ( $\pm 1\%$ )
Measuring Instrument Conformity	Measurement Instrument Directive (MID)
Meter Tariff Rating	One-Tariff
Pulse Output Rate	1-999999
Number of Poles	4
Number of Phases	Three-phase
Number of Counter Positions	7
Number of Digital In/Outputs	1 DO
Meter Type	Transformer connected
Mounting Type	DIN-Rail
Pulse Output Type	Electrical
Type of Indicator	Digital
Enclosure Material	Polycarbonate in transparent front glass. Glass reinforced polycarbonate in bottom case and upper case. Polycarbonate in terminal cover.
I/O Option	1 digital output
Additional Information	CT (1A, 5A)
Communication	Modbus RTU
Connecting Capacity Main Circuit	0.5 ... 10 mm <sup>2</sup>

## Material Compliance

RoHS Information	2CMC485007
RoHS Status	Following EU Directive 2002/95/EC August 18, 2005 and amendment
RoHS Date	2012-36
REACH Declaration	9AKK108467A9482
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

## Environmental

Ambient Air Temperature	Operation -40 ... 70 °C
Degree of Protection	IP20
Environmental Information	2CMC485003D0001

## Dimensions

Width in Number of Modular Spacings	4
Product Net Width	70 mm
Product Net Height	26.5 mm
Product Net Depth / Length	65 mm
Product Net Weight	0.25 kg
Size	96X70X65

## Dimension Diagram

2CMC485003M0201

## Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.33 kg
E-Number (Finland)	6625041
E-Number (Sweden)	0900045

## Certificates and Declarations

Declaration of Conformity - CE	2CMC485002D0001
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## Installation

Instructions and Manuals	2CMC485019M0201
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## Popular Downloads

Data Sheet, Technical Information	2CMC485003M0201
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## Classifications

ETIM 8	EC001506 - Kilowatt-hour meter
ETIM 9	EC001506 - Kilowatt-hour meter
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	90283019
eClass	V11.0 : 27142316
Object Classification Code	P

## Accessories

Identifier	Description	Type	Quantity	Unit Of Measure
2CSG225995R1101	CT MAX 1000 Current transformer	CT MAX 1000	1	piece
2CSG226055R1101	CT MAX 1000 SELV Current transformer	CT MAX 1000 SELV	1	piece
2CSG225945R1101	CT MAX 300 Current transformer	CT MAX 300	1	piece
2CSG226005R1101	CT MAX 300 SELV Current transformer	CT MAX 300 SELV	1	piece
2CSG225955R1101	CT MAX 400 Current transformer	CT MAX 400	1	piece
2CSG226015R1101	CT MAX 400 SELV Current transformer	CT MAX 400 SELV	1	piece
2CSG225965R1101	CT MAX 500 Current transformer	CT MAX 500	1	piece
2CSG226025R1101	CT MAX 500 SELV Current transformer	CT MAX 500 SELV	1	piece
2CSG225975R1101	CT MAX 600 Current transformer	CT MAX 600	1	piece
2CSG226035R1101	CT MAX 600 SELV Current transformer	CT MAX 600 SELV	1	piece
2CSG225985R1101	CT MAX 800 Current transformer	CT MAX 800	1	piece
2CSG226045R1101	CT MAX 800 SELV Current transformer	CT MAX 800 SELV	1	piece

2CSG225785R1101	CT PRO XT 100 Current transformer	CT PRO XT 100	1	piece
2CSG225885R1101	CT PRO XT 100 SELV Current transformer	CT PRO XT 100 SELV	1	piece
2CSG225795R1101	CT PRO XT 150 Current transformer	CT PRO XT 150	1	piece
2CSG225895R1101	CT PRO XT 150 SELV Current transformer	CT PRO XT 150 SELV	1	piece
2CSG225805R1101	CT PRO XT 200 Current transformer	CT PRO XT 200	1	piece
2CSG225905R1101	CT PRO XT 200 SELV Current transformer	CT PRO XT 200 SELV	1	piece
2CSG225815R1101	CT PRO XT 250 Current transformer	CT PRO XT 250	1	piece
2CSG225915R1101	CT PRO XT 250 SELV Current transformer	CT PRO XT 250 SELV	1	piece
2CSG225825R1101	CT PRO XT 300 Current transformer	CT PRO XT 300	1	piece
2CSG225925R1101	CT PRO XT 300 SELV Current transformer	CT PRO XT 300 SELV	1	piece
2CSG225745R1101	CT PRO XT 40 Current transformer	CT PRO XT 40	1	piece
2CSG225845R1101	CT PRO XT 40 SELV Current transformer	CT PRO XT 40 SELV	1	piece
2CSG225835R1101	CT PRO XT 400 Current transformer	CT PRO XT 400	1	piece
2CSG225935R1101	CT PRO XT 400 SELV Current transformer	CT PRO XT 400 SELV	1	piece
2CSG225755R1101	CT PRO XT 50 Current transformer	CT PRO XT 50	1	piece
2CSG225855R1101	CT PRO XT 50 SELV Current transformer	CT PRO XT 50 SELV	1	piece
2CSG225765R1101	CT PRO XT 60 Current transformer	CT PRO XT 60	1	piece
2CSG225865R1101	CT PRO XT 60 SELV Current transformer	CT PRO XT 60 SELV	1	piece
2CSG225775R1101	CT PRO XT 80 Current transformer	CT PRO XT 80	1	piece
2CSG225875R1101	CT PRO XT 80 SELV Current transformer	CT PRO XT 80 SELV	1	piece
2CCG000242R0001	SCU100 Control unit	SCU100	1	piece
2CDG110226R0011	QA/S3.16.1 Energy Analyzer, M-Bus, 16 Devices, MDRC	QA/S3.16.1	1	piece
2CDG110227R0011	QA/S3.64.1 Energy Analyzer, M-Bus, 64 Devices, MDRC	QA/S3.64.1	1	piece
2CDG110228R0011	QA/S4.16.1 Energy Analyzer, Modbus RTU, 16 Devices, MDRC	QA/S4.16.1	1	piece
2CDG110229R0011	QA/S4.64.1 Energy Analyzer, Modbus RTU, 64 Devices, MDRC	QA/S4.64.1	1	piece
2CDG110224R0011	QA/S1.16.1 Energy Analyzer, KNX, 16 Devices, MDRC	QA/S1.16.1	1	piece

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## Categories

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Low Voltage Products and Systems → Modular DIN Rail Products → Energy Efficiency Devices → Energy Meters

