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 PRODUCT-DETAILS

## B24 352-100

# Energy meter 'Silver', Modbus RTU, 3-phase, 1 A




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### General Information

|                               |  |
|-------------------------------|--|
| <b>Extended Product Type:</b> | B24 352-100  |
| <b>Product ID:</b>            | 2CMA100183R1000  |
| <b>ABB Type Designation:</b>  | B24 352-100  |
| <b>EAN:</b>                   | 7392696001830  |
| <b>Catalog Description:</b>   | Energy meter 'Silver', Modbus RTU, 3-phase, 1 A  |
| <b>Long Description:</b>      | 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 and reactive energy. Import and export of energy in different registers and one total. Resettable register for intermediate values. Up to four tariffs. Two outputs and inputs for pulses or alarm etc. RS-485 communication over Modbus RTU or EQ Bus. Accuracy class 0,5 (or C for MID meters). The meters is IEC approved + MID approved and verified. |
| <b>Display Name:</b>          | B24 352-100  |

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### ABB EcoSolutions

**Recyclability Rate of the Product acc. to EN45555:** Design for Closing Resource Loops - Standard EN45555 - 66.08 %

**ABB Site Meeting Group Waste To Landfill Target:** No non-hazardous waste is sent to a landfill  
UL 2799 Zero Waste To Landfill Validation available

**Improved Energy Efficiency for Customers:** Process Efficiency - Product improves/optimizes process  
Process Efficiency - Product contribute to making customer's operations more resilient and reliable  
Process Efficiency - Product contribute to reducing customer operations environmental footprint  
Digital Efficiency - Product is digitally-supported to optimize usage and eventually optimize customer asset

**Extended Product Lifetime:** Lifetime extension of customer's assets is made possible thanks to offering and the supporting services

**End Of Life Disassembling Instructions:** 9AKK108470A1374

**Environmental Product Declaration - EPD:** 9AKK108467A4138

## Technical

|  |   |
|--|---|
| <b>Function:</b>                         | Electricity meter                         |
| <b>Sub-Function:</b>                     | Silver                                    |
| <b>Current Rating:</b>                   | 1 A                                       |
| <b>Communication Interface:</b>          | RS-485                                    |
| <b>Accuracy:</b>                         | Active Energy Class C MID ( $\pm 0.5\%$ ) |
| <b>Measuring Instrument Conformity:</b>  | Measurement Instrument Directive (MID)    |
| <b>Meter Tariff Control:</b>             | External                                  |
| <b>Meter Tariff Rating:</b>              | Multi-Tariff                              |
| <b>Pulse Output Rate:</b>                | 1 ... 9999 kvar-h                         |
| <b>Model Number:</b>                     | Measurement transformer                   |
| <b>Number of Poles:</b>                  | 4P  |
| <b>Number of Phases:</b>                 | 3-phase                                   |
| <b>Number of Counter Positions:</b>      | 7   |
| <b>Number of Digital In/Outputs:</b>     | 2 Digital Inputs, 2 Digital Outputs       |
| <b>Energy Meter Type:</b>                | AC-MID                                    |
| <b>Pulse Output Type:</b>                | Electrical                                |
| <b>Type of Indicator:</b>                | Digital                                   |
| <b>Additional Information:</b>           | CT (1A, 5A)                               |
| <b>Communication:</b>                    | Modbus RTU                                |
| <b>Connecting Capacity Main Circuit:</b> | 0.5 ... 10 mm <sup>2</sup>                |

## Electrical

|                                       |  |
|---------------------------------------|--|
| <b>Rated Voltage (U<sub>r</sub>):</b> | 220 ... 240 (Un) N-L V<br>380 ... 415 (Un) L-L V |
| <b>Voltage Range:</b>                 | 3x176...276 V                                    |
| <b>Rated Current (I<sub>n</sub>):</b> | Maximum 6 A                                      |
| <b>Frequency (f):</b>                 | 50 ... 60 Hz                                     |

Rated Frequency (f): 50 / 60 Hz

Power Consumption (@P<sub>cons</sub>): 0.721 W

## Design

Enclosure Material: Polycarbonate in transparent front glass. Glass reinforced polycarbonate in bottom case and upper case. Polycarbonate in terminal cover.

## Material Compliance

RoHS Declaration: 9AKK108470A3633

RoHS Information: Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019

RoHS Date: 20260203

REACH Declaration: 9AKK108467A9482

REACH Information: True - contains substances > 0.1 mass percentage

REACH Date: 20240429

Conflict Minerals Reporting Template (CMRT): 9AKK108468A3363

SCIP: fc50eb93-bfe0-4d06-b8c6-8f189eb34862 Italy

WEEE Category: 5. Small Equipment (No External Dimension More Than 50 cm)

WEEE B2C / B2B: Business To Consumer

## 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: 270 g

Size: 96X70X65

Dimension Diagram: 2CMC485003M0201

## Ordering

Package Level 1 Units: box 1 piece

|                                      |         |
|--------------------------------------|---------|
| <b>Package Level 1 Gross Weight:</b> | 0.35 kg |
| <b>E-Number (Finland):</b>           | 6625045 |
| <b>E-Number (Norway):</b>            | 8204079 |
| <b>E-Number (Sweden):</b>            | 0900049 |

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## Certificates and Declarations

|  |                 |
|--|-----------------|
| <b>Declaration of Conformity - CE:</b>     | 9AKK108470A3633 |
| <b>EU Data Act Compliance Declaration:</b> | 9AKK108471A5047 |

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## Installation

|                                  |                 |
|----------------------------------|-----------------|
| <b>Instructions and Manuals:</b> | 2CMC485019M0201 |
| <b>Mounting Type:</b>            | DIN-Rail        |

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## Popular Downloads

|   |                 |
|---|-----------------|
| <b>Data Sheet, Technical Information:</b> | 2CMC485003M0201 |
|---|-----------------|

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## External Classifications and Standards

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|--|--------------------------------|
| <b>ETIM 9:</b>                             | EC001506 - Kilowatt-hour meter |
| <b>ETIM 10:</b>                            | EC001506 - Electricity meter   |
| <b>UNSPSC:</b>                             | 41113667                       |
| <b>eClass:</b>                             | V11.0 : 27142316               |
| <b>IDEA Granular Category Code (IGCC):</b> | 3300 >> Kilowatt-hour meter    |
| <b>Object Classification Code:</b>         | P                              |
| <b>Standards:</b>                          | EN 50470-1                     |

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## Accessories

| Identifier      | Description   | Type       | Qty | Unit Of Measure |
|-----------------|---|------------|-----|-----------------|
| 2CCG000242R0001 | SCU100 InSite pro M compact                         | 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           |

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## Categories

Products > Low Voltage Products and Systems > Modular DIN Rail Products > Energy Efficiency Devices > Energy Meters > kWh Meters, B-series



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360°