



PRODUCT-DETAILS

A43 213-100

A43 213-100, Energy meter'Bronze', M-bus, Three-phase, 5 A



| General Information                     |   |
|---|---|
| Extended Product Type                   | A43 213-100   |
| Product ID                              | 2CMA170523R1000   |
| ABB Type Designation                    | A43 213-100   |
| EAN                                     | 7392696705233   |
| Catalog Description                     | A43 213-100, Energy meter'Bronze', M-bus, Three-phase, 5 A  |
| Long Description                        | Advanced DIN-rail meter with a large and easy to read back lighted pixel-oriented display. The meter is intended for use in the industry, commercial buildings etc. The meter can be used in 3 or 4 wire systems with a wide voltage range. The meter has several instrumentation values, 25 possible alarms and event logs. Three phase direct connected for active and reactive energy. Import and export of energy in different registers and one total. One output for pulses or alarm etc. M-Bus communication.Accuracy class 1.0 (or B for MID meters). The meters is IEC approved + MID approved and verified. |
| Eco Transparency                        |   |
| Environmental Product Declaration - EPD | 9AKK108467A4138   |

## Technical

|                                  |  |
|----------------------------------|--|
| Standards                        | IEC 62053-21   |
| Function                         | Electricity meter  |
| Sub-Function                     | Bronze   |
| Rated Voltage ( $U_r$ )          | 3x57.7-288 V   |
| Voltage Range                    | 3x47...331 V   |
| Rated Current ( $I_n$ )          | 5 A<br>Maximum 80 A  |
| Current Rating                   | 5 A  |
| Rated Frequency (f)              | 50 / 60 Hz   |
|                                  | 0.807 W  |
| Communication Interface          | M-bus  |
| 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                       | Direct 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   |
| Communication                    | M-Bus  |
| Connecting Capacity Main Circuit | 1 ... 25 mm <sup>2</sup>   |

## Material Compliance

|   |   |
|---|---|
| RoHS Information                            | 2CMC484006  |
| RoHS Status                                 | Following EU Directive 2002/95/EC August 18, 2005 and amendment |
| RoHS Date                                   | 2011-44   |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363   |

## Environmental

|                           |                         |
|---------------------------|-------------------------|
| Ambient Air Temperature   | Operation -40 ... 70 °C |
| Degree of Protection      | IP20                    |
| Environmental Information | 2CMC484004D0001         |

## Dimensions

|                                     |           |
|-------------------------------------|-----------|
| Width in Number of Modular Spacings | 7         |
| Product Net Width                   | 123 mm    |
| Product Net Height                  | 26.5 mm   |
| Product Net Depth / Length          | 65 mm     |
| Product Net Weight                  | 0.448 kg  |
| Size                                | 97X123X65 |

### Ordering

|                              |             |
|------------------------------|-------------|
| Package Level 1 Units        | box 1 piece |
| Package Level 1 Gross Weight | 0.538 kg    |
| E-Number (Finland)           | 6701020     |
| E-Number (Sweden)            | 0980705     |

### Certificates and Declarations

|                                |                 |
|--------------------------------|-----------------|
| Declaration of Conformity - CE | 2CMC484003D0001 |
|--------------------------------|-----------------|

### Installation

|                          |                 |
|--------------------------|-----------------|
| Instructions and Manuals | 2CMC484003M0201 |
|--------------------------|-----------------|

### Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CMC484001M0201 |
|-----------------------------------|-----------------|

### 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 |
|-----------------|--|------------|----------|-----------------|
| 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           |

Categories

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

