

## PRODUCT-DETAILS

# B24 212-200

## B24 212-200 Electricity Meter ; B24 212-200



### General Information

|                       |                                             |
|-----------------------|---------------------------------------------|
| Extended Product Type | B24 212-200                                 |
| Product ID            | 2CMA100812R1000                             |
| ABB Type Designation  | B24 212-200                                 |
| EAN                   | 7392696008129                               |
| Catalog Description   | B24 212-200 Electricity Meter ; B24 212-200 |

#### 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 and reactive energy. Import and export of energy in different registers and one total. 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 CMC approved + EAC approved and verified.

### Technical

|                         |                                                                                                      |
|-------------------------|------------------------------------------------------------------------------------------------------|
| Standards               | IEC 62052-11, IEC 62053-21, IEC 62053-23, GOST 31818.11-2012, GOST 31819.21-2012, GOST 31819.23-2012 |
| Product Name            | Electricity Meter ; B24 212-200                                                                      |
| Function                | Electricity meter                                                                                    |
| Sub-Function            | Bronze                                                                                               |
| Rated Voltage ( $U_r$ ) | (Un) N-L 230 ... 240 V<br>(Un) L-L 380 ... 415 V                                                     |
| Rated Current ( $I_n$ ) | 6 A                                                                                                  |
| Current Rating          | 6 A                                                                                                  |
| Frequency (f)           | 50/60 Hz                                                                                             |

|                                  |                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------|
|                                  | 0.721 W                                                                                |
| Communication Interface          | Modbus                                                                                 |
| Accuracy                         | Active Energy Class $\pm 1\%$ (or B for MID meters). Reactive Energy Class $\pm 2\%$ . |
| Pulse Output Rate                | 1...999999                                                                             |
| Number of Phases                 | 3                                                                                      |
| Number of Counter Positions      | 7                                                                                      |
| ABB Type Designation             | B24 212-200                                                                            |
| Energy Meter Type                | Effective Power<br>Blind Power                                                         |
| Meter Type                       | Transformer connected                                                                  |
| Mounting Type                    | DIN rail                                                                               |
| Pulse Output Type                | Electrical                                                                             |
| Type of Indicator                | Digital                                                                                |
| Enclosure Material               | Plastic                                                                                |
| Communication                    | MODBUS RTU                                                                             |
| Model Number                     | Measurement transformer                                                                |
| Connecting Capacity Main Circuit | 0.5 ... 10 mm <sup>2</sup>                                                             |

## Environmental

|                           |                                                                 |
|---------------------------|-----------------------------------------------------------------|
| Ambient Air Temperature   | Operation -40 ... 70 °C                                         |
| Degree of Protection      | IP20                                                            |
| RoHS Status               | Following EU Directive 2002/95/EC August 18, 2005 and amendment |
| 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                  | 0.26 kg  |
| Size                                | 97X70X65 |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 100 mm        |
| Package Level 1 Height         | 68 mm         |
| Package Level 1 Depth / Length | 94 mm         |
| Package Level 1 Gross Weight   | 0.33 kg       |
| Package Level 1 EAN            | 7392696008129 |

## Ordering

|                        |            |
|------------------------|------------|
| Minimum Order Quantity | 1 piece    |
| Customs Tariff Number  | 90283019   |
| Country of Origin      | Italy (IT) |

Selling Unit of Measure

piece

## Certificates and Declarations (Document Number)

|                                |                       |
|--------------------------------|-----------------------|
| Declaration of Conformity - CE | No declaration needed |
| Environmental Information      | 2CMC485003D0001       |
| Instructions and Manuals       | 2CMC485019M0201       |
| RoHS Information               | 2CMC485007            |

## Popular Downloads

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CMC485003M0201 |
| Instructions and Manuals          | 2CMC485019M0201 |

## Classifications

|                            |                                                            |
|----------------------------|------------------------------------------------------------|
| ETIM 6                     | EC001506 - Kilowatt-hour meter                             |
| ETIM 7                     | EC001506 - Kilowatt-hour meter                             |
| ETIM 8                     | EC001506 - Kilowatt-hour meter                             |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B             | Business To Consumer                                       |
| CN8                        | 90283019                                                   |
| 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 |

## Categories

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

