

## PRODUCT-DETAILS

# B23 112-400

## B23 112-400 Electricity Meter ; B23 112-400



### General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | B23 112-400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Product ID            | 2CMA100258R1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| EAN                   | 7392696002585                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Catalog Description   | B23 112-400 Electricity Meter ; B23 112-400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| 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 direct 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 CMC approved + MID approved and verified. |

### Technical

|                         |                                                  |
|-------------------------|--------------------------------------------------|
| Standards               | IEC 62052-11, IEC 62053-21                       |
| Product Name            | Electricity Meter ; B23 112-400                  |
| Function                | Electricity meter                                |
| Sub-Function            | Steel                                            |
| Rated Voltage ( $U_r$ ) | (Un) N-L 220 ... 240 V<br>(Un) L-L 380 ... 415 V |
| Rated Current ( $I_n$ ) | Main Circuit 65 A                                |
| Current Rating          | 65 A                                             |
| Frequency (f)           | 50 / 60 Hz                                       |
| Communication Interface | 0.721 W<br>Modbus                                |

|                             |                                                      |
|-----------------------------|------------------------------------------------------|
| Accuracy                    | Active Energy Class $\pm 1\%$ (or B for MID meters). |
| Pulse Output Rate           | 1...999999                                           |
| Number of Phases            | 3                                                    |
| Number of Counter Positions | 7                                                    |
| Energy Meter Type           | Effective Power                                      |
| Meter Type                  | Direct connected                                     |
| Mounting Type               | DIN rail                                             |
| Pulse Output Type           | Electrical                                           |
| Type of Indicator           | Digital                                              |
| Enclosure Material          | Plastic                                              |
| Communication               | MODBUS RTU                                           |
| Model Number                | Direct measurement                                   |
| Connecting Capacity         | Screw Clamp / Rigid 1 ... 25 mm <sup>2</sup>         |
| Main Circuit                | Screw Clamp / Flexible 1 ... 25 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                  | 0.31 kg |

## 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   | 0.39 kg       |
| Package Level 1 EAN            | 7392696002585 |

## 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          | 2CMC485006      |

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 |
|-----------------|----------------------------------------------------------|------------|----------|-----------------|
| 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

