

## PRODUCT-DETAILS

# B23 113-100

Active Energy Class  $\pm 1\%$  (or B for MID meters).;



## General Information

|                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | B23 113-100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Product ID            | 2CMA100165R1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| ABB Type Designation  | B23 113-100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| EAN                   | 7392696001656                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Catalog Description   | Active Energy Class $\pm 1\%$ (or B for MID meters).;                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| 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. M-Bus communication. Accuracy class 1.0 (or B for MID meters). The meters is IEC approved + MID approved and verified. |

## Ordering

|                        |               |
|------------------------|---------------|
| E-Number (Finland)     | 6625035       |
| E-Number (Sweden)      | 0900038       |
| EAN                    | 7392696001656 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 90283019      |

## Dimensions

|                            |         |
|----------------------------|---------|
| Product Net Width          | 70 mm   |
| Product Net Height         | 26.5 mm |
| Product Net Depth / Length | 65 mm   |
| Product Net Weight         | 0.33 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   | 0.41 kg       |
| Package Level 1 EAN            | 7392696001656 |

## Environmental

|                         |                                                                 |
|-------------------------|-----------------------------------------------------------------|
| Ambient Air Temperature | Operation -40 ... +70 °C                                        |
| RoHS Status             | Following EU Directive 2002/95/EC August 18, 2005 and amendment |

## Additional Information

|                                  |                                                      |  |
|----------------------------------|------------------------------------------------------|--|
| Accuracy                         | Active Energy Class $\pm 1\%$ (or B for MID meters). |  |
| Communication Interface          | M-bus                                                |  |
| Communication                    | M-Bus TP                                             |  |
| Connecting Capacity Main Circuit | 1 ... 25 mm <sup>2</sup>                             |  |
| Current Rating                   | 65 A                                                 |  |
| Degree of Protection             | IP20                                                 |  |
| Enclosure Material               | Plastic                                              |  |
| Frequency (f)                    | 50/60 Hz                                             |  |
| Function                         | Electricity meter                                    |  |
| Meter Type                       | Direct connected                                     |  |
| Mounting Type                    | DIN rail                                             |  |
| Number of Phases                 | 3                                                    |  |
|                                  | 0.721 W                                              |  |
| Product Main Type                | B23                                                  |  |
| Product Name                     | B23 113-100                                          |  |
| Rated Current ( $I_n$ )          | 65 A                                                 |  |
| Rated Voltage ( $U_r$ )          | (Un) N-L 220 ... 240 V<br>(Un) L-L 380 ... 415 V     |  |
| RoHS Date                        | 2012-36                                              |  |
| Standards                        | EN 50470-1                                           |  |
| Sub-Function                     | Steel                                                |  |

| Certificates and Declarations (Document Number) |                 |
|-------------------------------------------------|-----------------|
| Data Sheet, Technical Information               | 2CMC485003M0201 |
| Declaration of Conformity - CE                  | 2CMC485001D0001 |
| Environmental Information                       | 2CMC485003D0001 |
| Instructions and Manuals                        | 2CMC485019M0201 |
| RoHS Information                                | 2CMC485006      |

| Classifications            |                                                            |
|----------------------------|------------------------------------------------------------|
| ETIM 4                     | EC001506 - Electronic kilowatt-hour meter                  |
| ETIM 5                     | EC001506 - Kilowatt-hour meter                             |
| ETIM 6                     | EC001506 - Kilowatt-hour meter                             |
| ETIM 7                     | EC001506 - Kilowatt-hour meter                             |
| Object Classification Code | P                                                          |
| WEEE Category              | 5. Small Equipment (No External Dimension More Than 50 cm) |

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

