

## PRODUCT-DETAILS

# A44 553-110

Active Energy Class  $\pm 0,5\%$  (or C for MID meters). Reactive Energy Class  $\pm 2\%$ ;



## General Information

|                       |                                                                                          |
|-----------------------|------------------------------------------------------------------------------------------|
| Extended Product Type | A44 553-110                                                                              |
| Product ID            | 2CMA170548R1000                                                                          |
| ABB Type Designation  | A44 553-110                                                                              |
| EAN                   | 7392696705486                                                                            |
| Catalog Description   | Active Energy Class $\pm 0,5\%$ (or C for MID meters). Reactive Energy Class $\pm 2\%$ ; |

|                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 transformer connected for active and reactive energy. Import and export of energy in different registers and one total. Resettable register for intermediate values. Internal clock for tariff shift, Min and maximum demand, previous values and event log with timestamps. 8 channel load profile Four programmable inputs or outputs. Up to the 16th harmonics for pulses or alarm etc. M-Bus communication. Accuracy class 0,5 (or C for MID meters). The meters is IEC approved + MID approved and verified. Version for use in 690 V application. |
|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## Ordering

|                        |               |
|------------------------|---------------|
| E-Number (Finland)     | 6701055       |
| E-Number (Sweden)      | 0980730       |
| EAN                    | 7392696705486 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 90283019      |

## Dimensions

|                            |          |
|----------------------------|----------|
| Product Net Width          | 123 mm   |
| Product Net Height         | 26.5 mm  |
| Product Net Depth / Length | 65 mm    |
| Product Net Weight         | 0.376 kg |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 98 mm         |
| Package Level 1 Height         | 68 mm         |
| Package Level 1 Depth / Length | 144 mm        |
| Package Level 1 Gross Weight   | 0.466 kg      |
| Package Level 1 EAN            | 7392696705486 |

## 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 $\pm 0,5\%$ (or C for MID meters). Reactive Energy Class $\pm 2\%$ . |
| Communication Interface          | RS-485                                                                                   |
| Communication                    | M-Bus                                                                                    |
| Connecting Capacity Main Circuit | 0.5 ... 10 mm <sup>2</sup>                                                               |
| Current Rating                   | 6 A                                                                                      |
| Degree of Protection             | IP20                                                                                     |
| Enclosure Material               | Plastic                                                                                  |
| Frequency (f)                    | 50 ... 60 Hz                                                                             |
| Function                         | Electricity meter                                                                        |
| Meter Type                       | Transformer connected                                                                    |
| Mounting Type                    | DIN rail                                                                                 |
| Number of Phases                 | 3                                                                                        |
|                                  | 0.801 W                                                                                  |
| Product Main Type                | A44                                                                                      |
| Product Name                     | A44 553-110                                                                              |
| Rated Current ( $I_n$ )          | 6 A                                                                                      |
| Rated Voltage ( $U_r$ )          | (Un) L-L 100 ... 500 V<br>(Un) N-L 57.7 ... 288 V                                        |
| RoHS Date                        | 2011-44                                                                                  |
| Standards                        | IEC 62052-11<br>IEC 62053-22                                                             |

|              |              |
|--------------|--------------|
|              | IEC 62053-23 |
|              | EN 50470-1   |
|              | EN 50470-3   |
| Sub-Function | Platinum     |

Certificates and Declarations (Document Number)

|                                   |                 |
|-----------------------------------|-----------------|
| Data Sheet, Technical Information | 2CMC484001M0201 |
| Declaration of Conformity - CE    | 2CMC484002D0001 |
| Environmental Information         | 2CMC484005D0001 |
| Instructions and Manuals          | 2CMC484003M0201 |
| RoHS Information                  | 2CMC484006      |

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

