



PRODUCT-DETAILS

A44 111-100

A44 111-100, Energy meter'Steel', IR port,  
Three-phase, 1 A



| General Information   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | A44 111-100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Product ID            | 2CMA170533R1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| ABB Type Designation  | A44 111-100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| EAN                   | 7392696705332                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Catalog Description   | A44 111-100, Energy meter'Steel', IR port, Three-phase, 1 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 transformer connectedfor active energy. One output for pulses or alarm etc. 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                        | EN 50470-1                                                                                                                               |
| Function                         | Electricity meter                                                                                                                        |
| Sub-Function                     | Steel                                                                                                                                    |
| Rated Voltage (U <sub>r</sub> )  | 3x57.7-288 V                                                                                                                             |
| Voltage Range                    | 3x47...331 V                                                                                                                             |
| Rated Current (I <sub>n</sub> )  | 1 A                                                                                                                                      |
|                                  | Maximum 6 A                                                                                                                              |
| Current Rating                   | 1 A                                                                                                                                      |
| Rated Frequency (f)              | 50 / 60 Hz                                                                                                                               |
|                                  | 0.801 W                                                                                                                                  |
| Communication Interface          | IR port                                                                                                                                  |
| Accuracy                         | Active Energy Class B MID (±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-phases                                                                                                                             |
| Number of Counter Positions      | 7                                                                                                                                        |
| Number of Digital In/Outputs     | 1 DO                                                                                                                                     |
| Meter Type                       | Transformer 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                                                                                                                         |
| Additional Information           | CT (1A, 5A)                                                                                                                              |
| Connecting Capacity Main Circuit | 0.5 ... 10 mm²                                                                                                                           |

| Material Compliance                         |                                                                 |
|---------------------------------------------|-----------------------------------------------------------------|
| RoHS Information                            | 2CMC484006                                                      |
| RoHS Status                                 | Following EU Directive 2002/95/EC August 18, 2005 and amendment |
| RoHS Date                                   | 2011-44                                                         |
| REACH Declaration                           | 9AKK108467A9482                                                 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363                                                 |

| Environmental             |                         |
|---------------------------|-------------------------|
| Ambient Air Temperature   | Operation -40 ... 70 °C |
| Degree of Protection      | IP20                    |
| Environmental Information | 2CMC484005D0001         |

| 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                  |  |  |  | 0.353 kg        |
| Size                                |  |  |  | 97X123X65       |
| Dimension Diagram                   |  |  |  | 2CMC484001M0201 |

| Ordering                     |  |  |  |             |
|------------------------------|--|--|--|-------------|
| Package Level 1 Units        |  |  |  | box 1 piece |
| Package Level 1 Gross Weight |  |  |  | 0.443 kg    |
| E-Number (Finland)           |  |  |  | 6625013     |
| E-Number (Sweden)            |  |  |  | 0980715     |

| Certificates and Declarations  |  |  |  |                 |
|--------------------------------|--|--|--|-----------------|
| Declaration of Conformity - CE |  |  |  | 2CMC484002D0001 |

| 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 |
| 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<br>SELV    | 1 | piece |
| 2CSG225955R1101 | CT MAX 400 Current transformer                              | CT MAX 400            | 1 | piece |
| 2CSG226015R1101 | CT MAX 400 SELV Current transformer                         | CT MAX 400<br>SELV    | 1 | piece |
| 2CSG225965R1101 | CT MAX 500 Current transformer                              | CT MAX 500            | 1 | piece |
| 2CSG226025R1101 | CT MAX 500 SELV Current transformer                         | CT MAX 500<br>SELV    | 1 | piece |
| 2CSG225975R1101 | CT MAX 600 Current transformer                              | CT MAX 600            | 1 | piece |
| 2CSG226035R1101 | CT MAX 600 SELV Current transformer                         | CT MAX 600<br>SELV    | 1 | piece |
| 2CSG225985R1101 | CT MAX 800 Current transformer                              | CT MAX 800            | 1 | piece |
| 2CSG226045R1101 | CT MAX 800 SELV Current transformer                         | CT MAX 800<br>SELV    | 1 | piece |
| 2CSG225785R1101 | CT PRO XT 100 Current transformer                           | CT PRO XT<br>100      | 1 | piece |
| 2CSG225885R1101 | CT PRO XT 100 SELV Current transformer                      | CT PRO XT<br>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<br>SELV | 1 | piece |
| 2CSG225805R1101 | CT PRO XT 200 Current transformer                           | CT PRO XT<br>200      | 1 | piece |
| 2CSG225905R1101 | CT PRO XT 200 SELV Current transformer                      | CT PRO XT<br>200 SELV | 1 | piece |
| 2CSG225815R1101 | CT PRO XT 250 Current transformer                           | CT PRO XT<br>250      | 1 | piece |
| 2CSG225915R1101 | CT PRO XT 250 SELV Current transformer                      | CT PRO XT<br>250 SELV | 1 | piece |
| 2CSG225825R1101 | CT PRO XT 300 Current transformer                           | CT PRO XT<br>300      | 1 | piece |
| 2CSG225925R1101 | CT PRO XT 300 SELV Current transformer                      | CT PRO XT<br>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<br>SELV  | 1 | piece |
| 2CSG225835R1101 | CT PRO XT 400 Current transformer                           | CT PRO XT<br>400      | 1 | piece |
| 2CSG225935R1101 | CT PRO XT 400 SELV Current transformer                      | CT PRO XT<br>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<br>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<br>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<br>SELV  | 1 | piece |
| 2CCG000242R0001 | SCU100 Control unit                                         | SCU100                | 1 | piece |
| 2CDG110226R0011 | QA/S3.16.1 Energy Analyzer, M-Bus, 16 Devices,<br>MDRC      | QA/S3.16.1            | 1 | piece |
| 2CDG110227R0011 | QA/S3.64.1 Energy Analyzer, M-Bus, 64 Devices,<br>MDRC      | QA/S3.64.1            | 1 | piece |
| 2CDG110228R0011 | QA/S4.16.1 Energy Analyzer, Modbus RTU, 16<br>Devices, MDRC | QA/S4.16.1            | 1 | piece |
| 2CDG110229R0011 | QA/S4.64.1 Energy Analyzer, Modbus RTU, 64<br>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

