



 PRODUCT-DETAILS

D11 15-M 40 Modbus

Energy meter '15', Modbus, Single-phase, 40 A



General Information

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|-----------------------|---|
| Extended Product Type | D11 15-M 40 Modbus |
| Product ID | 2CMA241665R1000 |
| EAN | 8012542635659 |
| Catalog Description | Energy meter '15', Modbus, Single-phase, 40 A |
| Long Description | D11 15-M 40 Modbus is a single phase energy meter with Modbus RTU, direct connection up to 40 A, four quadrant metering, class B accuracy for active energy according to MID directive and class 2 for reactive energy according to IEC 62053-23, one digital input and one digital output, only one DIN module in width and housing in recycled plastic. |

ABB EcoSolutions

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| ABB EcoSolutions | Yes |
| EcoSolutions Profile | 9AKK108469A7385 |
| Material Resource Reduction (wt. %) | Design for Reduced Resource Consumption - 49.4 % |
| Sustainable Material Content in Product (wt. %) | Recycled Metal - 26 % Mechanically Recycled Polymer - 70 % Recycled Metal - 76 % |

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| ABB Site Meeting Group Waste To Landfill Target | No non-hazardous waste is sent to a landfill |
| Sustainable Material Content in Packaging (wt. %) | FSC Recycled Paperboard - 82 % |
| Improved Energy Efficiency for Customers | Product Efficiency - Product requires less energy to operate compared to similar product on market or older products from the same line |
| Offered with Takeback Services | Take Back for Recycling |
| End Of Life Disassembling Instructions | 9AKK108469A6369 |
| Environmental Product Declaration - EPD | 9AKK108469A4516 |

Technical

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|-------------------------------------|---|
| Application | Purchase/supply |
| Function | Electricity meter |
| Sub-Function | 15 |
| Current Rating | 40 A |
| Communication Interface | Modbus |
| Accuracy | Active Energy Class B MID ($\pm 1\%$) |
| Measuring Instrument Conformity | Measurement Instrument Directive (MID) |
| Meter Tariff Control | Internal External |
| Meter Tariff Rating | Two-Tariff |
| Pulse Output Rate | 1-999999 |
| Model Number | Direct measurement |
| Number of Poles | 1P |
| Number of Phases | Single-phase |
| Number of Counter Positions | 6 |
| Number of Digital In/Outputs | 1 DI + 1 DO |
| Meter Type | Direct connected |
| Pulse Output Type | Electrical |
| Type of Indicator | Digital |
| I/O Option | 1 digital output + 1 digital input |
| Communication | Modbus RTU |
| Number of Batteries | 0 |
| Connecting Capacity Main Circuit | 1 ... 10 mm ² |

Electrical

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|-------------------------|---------------------|
| Rated Voltage (U_r) | 220 ... 240 V |
| Voltage Range | 176...288 V |
| Rated Current (I_n) | 5 A Maximum 40 A |
| Frequency (f) | 50 / 60 Hz |
| Rated Frequency (f) | 50 ... 60 Hz |
| | 0.69 W |

Design

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|--------------------|---|
| Enclosure Material | Housing and terminal covers: made with at least 70% of recycle plastic Frontal Panel: UV resistant Polyester |
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Material Compliance

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| RoHS Information | 9AKK108469A1600 |
| RoHS Status | Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019 |
| RoHS Date | 20240730 |
| REACH Declaration | 9AKK108467A9482 |
| REACH Information | False - does not contain substances > 0.1 mass percentage |
| REACH Date | 20240521 |
| Conflict Minerals Reporting Template (CMRT) | 9AKK108468A3363 |
| WEEE Category | 5. Small Equipment (No External Dimension More Than 50 cm) |
| WEEE B2C / B2B | Business To Consumer |

Environmental

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|-------------------------|--|
| Ambient Air Temperature | Operation -40 ... +70 °C Storage -40 ... +85 °C |
| Degree of Protection | IP20 |

Dimensions

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|-------------------------------------|---------|
| Width in Number of Modular Spacings | 1 |
| Product Net Width | 17.5 mm |
| Product Net Height | 92 mm |
| Product Net Depth / Length | 65 mm |
| Product Net Weight | 70 g |
| Screen Size | 1 in |

Ordering

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|------------------------------|-----------|
| Package Level 1 Units | 1 piece |
| Package Level 1 Gross Weight | 0.0777 kg |
| E-Number (Finland) | 6719073 |
| E-Number (Norway) | 8002567 |

Installation

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|--------------------------|-----------------|
| Instructions and Manuals | 9AKK108469A1075 |
| Mounting Type | DIN-Rail |

Popular Downloads

| | |
|-----------------------|-----------------|
| Data Sheet, Technical | 9AKK108468A8828 |
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Information

External Classifications and Standards

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|-----------|--|
| ETIM 9 | EC001506 - Kilowatt-hour meter |
| eClass | V11.0 : 27142316 |
| Standards | EN 50470-3 IEC 62052-11 IEC 62052-31 IEC 62053-21 IEC 62052-23 |

Accessories

| Identifier | Description | Type | Quantity | Unit Of Measure |
|-----------------|---|----------|----------|-----------------|
| 2CCG001157R0001 | MAIN CONTROL UNIT INSITE2.0 SCU 200- W(WI -FI) | SCU200-W | 1 | piece |
| 2CCG001158R0001 | MAIN CONTROL UNIT INSITE2.0 SCU 200 | SCU200 | 1 | piece |
| 2CDG120089R0011 | MG/S11.100.1.1 Modbus RTU-KNX TP Gateway, MG/S11.100.1.100 Points, MDRC | | 1 | piece |

Categories

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

