



PRODUCT-DETAILS

B23 311-100

B23 311-100, Energy meter'Silver', IR port,
Three-phase, 5 A



General Information

Extended Product Type	B23 311-100
Product ID	2CMA100168R1000
ABB Type Designation	B23 311-100
EAN	7392696001687
Catalog Description	B23 311-100, Energy meter'Silver', IR port, Three-phase, 5 A

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 and reactive energy. Import and export of energy in different registers and one total. Resettable register for intermediate values. Up to four tariffs. Two outputs and inputs 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
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Technical

Standards	IEC 62052-11
Function	Electricity meter
Sub-Function	Silver
Rated Voltage (U _r)	3x220-240 V
Voltage Range	3x176...276 V
Rated Current (I _n)	5 A Maximum 65 A
Current Rating	5 A
Rated Frequency (f)	50 / 60 Hz 0.721 W
Communication Interface	IR port
Accuracy	Active Energy Class B MID (±1%)
Measuring Instrument Conformity	Measurement Instrument Directive (MID)
Meter Tariff Control	External
Meter Tariff Rating	Multi-Tariff
Pulse Output Rate	1-999999
Number of Poles	4
Number of Phases	Three-phase
Number of Counter Positions	7
Number of Digital In/Outputs	2 DI 2 DO
Meter Type	Direct 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	2 digital output, 2 digital input
Connecting Capacity Main Circuit	1 ... 25 mm²

Material Compliance

RoHS Information	2CMC485006
RoHS Status	Following EU Directive 2002/95/EC August 18, 2005 and amendment
RoHS Date	2012-36
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Air Temperature	Operation -40 ... 70 °C
Degree of Protection	IP20
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	0.33 kg
Size	96X70X65

Ordering	
Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.41 kg
E-Number (Finland)	6625037
E-Number (Sweden)	0900040

Certificates and Declarations	
Declaration of Conformity - CE	2CMC485001D0001

Installation	
Instructions and Manuals	2CMC485019M0201

Popular Downloads	
Data Sheet, Technical Information	2CMC485003M0201

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	
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

