

PRODUCT-DETAILS

B23 312-100

Active Energy Class $\pm 1\%$ (or B for MID meters).
Reactive Energy Class $\pm 2\%$;



General Information

Extended Product Type	B23 312-100
Product ID	2CMA100169R1000
ABB Type Designation	B23 312-100
EAN	7392696001694
Catalog Description	Active Energy Class $\pm 1\%$ (or B for MID meters). Reactive Energy Class $\pm 2\%$;
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. RS-485 communication over Modbus RTU or EQ Bus. Accuracy class 1.0 (or B for MID meters). The meters is IEC approved + MID approved and verified.

Ordering

E-Number (Finland)	6625038
E-Number (Sweden)	0900041
EAN	7392696001694
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	0.34 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	7392696001694

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). Reactive Energy Class $\pm 2\%$.	
Communication Interface	Modbus	
Communication	MODBUS RTU	
Connecting Capacity Main Circuit	1 ... 25 mm ²	
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 312-100	
Rated Current (I_n)	65 A	
Rated Voltage (U_r)	(Un) N-L 220 ... 240 V (Un) L-L 380 ... 415 V	
RoHS Date	2012-36	
Standards	IEC 62052-11	
Sub-Function	Silver	

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

