

PRODUCT-DETAILS

B23 312-300

B23 312-300 Electricity Meter ; B23 312-300



General Information

Extended Product Type	B23 312-300
Product ID	2CMA100162R1000
ABB Type Designation	B23 312-300
EAN	7392696001625
Catalog Description	B23 312-300 Electricity Meter ; B23 312-300
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.

Technical

Standards	IEC 62053-21
Product Name	Electricity Meter ; B23 312-300
Function	Electricity meter
Sub-Function	Silver
Rated Voltage (U _r)	(Un) N-L 220 ... 240 V (Un) L-L 380 ... 415 V
Rated Current (I _n)	65 A
Current Rating	65 A
Frequency (f)	50/60 Hz
	0.721 W

Communication Interface	Modbus
Accuracy	Active Energy Class $\pm 1\%$ (or B for MID meters). Reactive Energy Class $\pm 2\%$.
Pulse Output Rate	1...999999
Number of Phases	3
Number of Counter Positions	7
ABB Type Designation	B23 312-300
Energy Meter Type	Effective Power Blind Power
Meter Type	Direct connected
Mounting Type	DIN rail
Pulse Output Type	Electrical
Type of Indicator	Digital
Enclosure Material	Plastic
Communication	MODBUS RTU
Model Number	Direct measurement
Connecting Capacity Main Circuit	1 ... 25 mm ²

Environmental

Ambient Air Temperature	Operation -40 ... 70 °C
Degree of Protection	IP20
RoHS Status	Following EU Directive 2002/95/EC August 18, 2005 and amendment
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	0.34 kg
Size	97X70X65

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	7392696001625

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	90283019
Country of Origin	Italy (IT)
Selling Unit of Measure	piece

Certificates and Declarations (Document Number)	
Declaration of Conformity - CE	No declaration needed
Environmental Information	2CMC485003D0001
Instructions and Manuals	2CMC485019M0201
RoHS Information	2CMC485006

Popular Downloads	
Data Sheet, Technical Information	2CMC485003M0201
Instructions and Manuals	2CMC485019M0201

Classifications	
ETIM 6	EC001506 - Kilowatt-hour meter
ETIM 7	EC001506 - Kilowatt-hour meter
ETIM 8	EC001506 - Kilowatt-hour meter
WEEE Category	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	90283019
Object Classification Code	P

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

