PRODUCT-DETAILS

A43 112-100

Active Energy Class ±1% (or B for MID meters).;



General Information

Extended Product Type	A43 112-100
Product ID	2CMA100244R1000
ABB Type Designation	A43 112-100
EAN	7392696002448
Catalog Description	Active Energy Class ±1% (or B for MID meters).;
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 direct connected for active energy. One output 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)	6625056
E-Number (Sweden)	0900065
EAN	7392696002448
Minimum Order Quantity	1 piece
Customs Tariff Number	90283019

Dimensions

Product Net Width	123 mm

Product Net Height	26.5 mm
Product Net Depth / Length	65 mm
Product Net Weight	0.448 kg

Container Information

Package Level 1 Units	box 1 piece
Package Level 1 Width	98 mm
Package Level 1 Height	68 mm
Package Level 1 Depth / Length	144 mm
Package Level 1 Gross Weight	0.538 kg
Package Level 1 EAN	7392696002448

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 ±1% (or B for MID meters).
Communication Interface	Modbus
Communication	MODBUS RTU
Connecting Capacity Main Circuit	1 ... 25 mm²
Current Rating	80 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
	0.807 W
Product Main Type	A43
Product Name	A43 112-100
Rated Current (I_n)	80 A
Rated Voltage (U_r)	(Un) L-L 100 ... 500 V (Un) N-L 57.7 ... 288 V
RoHS Date	2011-44
Standards	IEC 62052-11, IEC 62053-21, EN 50470-1, EN 50470-3
Sub-Function	Steel

Certificates and Declarations (Document Number)

Data Sheet, Technical Information	2CMC484001M0201
Declaration of Conformity - CE	2CMC484003D0001
Environmental Information	2CMC484004D0001
Instructions and Manuals	2CMC484003M0201

RoHS Information	2CMC484006

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

