

PRODUCT-DETAILS

A42 553-120

A42 553-120 Electricity Meter ; A42 553-120



General Information

Extended Product Type	A42 553-120
Product ID	2CMA170519R1000
ABB Type Designation	A42 553-120
EAN	7392696705196
Catalog Description	A42 553-120 Electricity Meter ; A42 553-120

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 transformer connected for active and reactive energy. Import and export of energy in different registers and one total. Resettable register for intermediate values. Internal clock for tariff shift, Min and maximum demand, previous values and event log with timestamps. 8 channel load profile Four programmable inputs or outputs. Up to the 16th harmonics for pulses or alarm etc. M-Bus communication. Accuracy class 0,5 (or C for MID meters). The meters is IEC approved + MID approved and verified. Version for use in 690 V application.

Technical

Standards	EN 50470-3
Product Name	Electricity Meter ; A42 553-120
Function	Electricity meter
Sub-Function	Platinum
Rated Voltage (U_r)	(U_n) N-L 57.7 ... 288 V
Rated Current (I_n)	6 A
Current Rating	6 A

Frequency (f)	50 ... 60 Hz
	0.801 W
Communication Interface	M-bus
Accuracy	Active Energy Class $\pm 0,5\%$ (or C for MID meters). Reactive Energy Class $\pm 2\%$.
Pulse Output Rate	5000...5000
Number of Phases	1
Number of Counter Positions	7
ABB Type Designation	A42 553-120
Energy Meter Type	Effective Power Blind Power
Meter Type	Transformer connected
Mounting Type	DIN rail
Pulse Output Type	Electrical
Type of Indicator	Digital
Enclosure Material	Plastic
Communication	M-Bus TP
Model Number	Measurement transformer
Connecting Capacity Main Circuit	0.5 ... 10 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	2CMC484005D0001

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	0.207 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	0.279 kg
Package Level 1 EAN	7392696705196

Ordering

Minimum Order Quantity	1 piece
Customs Tariff Number	90283011

E-Number (Sweden)	0980700
Country of Origin	Italy (IT)
Selling Unit of Measure	piece

Certificates and Declarations (Document Number)

Declaration of Conformity - CE	No declaration needed
Environmental Information	2CMC484005D0001
Instructions and Manuals	2CMC484010M4901
RoHS Information	2CMC484006

Popular Downloads

Data Sheet, Technical Information	2CMC484002M0201
Instructions and Manuals	2CMC484010M4901

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	90283011
Object Classification Code	P

Categories

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

