



 PRODUCT-DETAILS

A42 553-120

Energy meter 'Platinum', M-bus, Single-phase, 6 A



General Information

Extended Product Type	A42 553-120
Product ID	2CMA170519R1000
ABB Type Designation	A42 553-120
EAN	7392696705196
Catalog Description	Energy meter 'Platinum', M-bus, Single-phase, 6 A

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.

ABB EcoSolutions

Environmental Product Declaration - EPD	9AKK108467A4138
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Technical

Standards	EN 50470-3
Function	Electricity meter
Sub-Function	Platinum
Rated Voltage (U _r)	57.7-288 V
Rated Current (I _n)	1 A Maximum 6 A
Current Rating	6 A
Rated Frequency (f)	16.7 Hz 0.801 W
Communication Interface	M-bus
Accuracy	Active Energy Class B MID (±0.5%)
Measuring Instrument Conformity	Measurement Instrument Directive (MID)
Meter Tariff Control	Internal External
Meter Tariff Rating	Multi-Tariff
Pulse Output Rate	1-999999
Number of Poles	1
Number of Phases	Single-phase
Number of Counter Positions	7
Number of Digital In/Outputs	4 I/O Channels
Real-time Clock	Real time clock with 5 ppm accuracy at reference temperature 25°C
Meter Type	Transformer 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.
Connecting Capacity Main Circuit	0.5 ... 10 mm ²

Material Compliance

RoHS Information	2CMC484006
RoHS Status	Following EU Directive 2002/95/EC August 18, 2005 and amendment
RoHS Date	2011-44
REACH Declaration	9AKK108467A9482
REACH Information	True - contains substances > 0.1 mass percentage
REACH Date	20240429
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

Environmental

Ambient Air Temperature	Operation -40 ... 70 °C
Degree of Protection	IP20
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

Ordering

Package Level 1 Units	box 1 piece
Package Level 1 Gross Weight	0.279 kg
E-Number (Norway)	8204021
E-Number (Sweden)	0980700

Certificates and Declarations

Declaration of Conformity - CE	No declaration needed
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Installation

Instructions and Manuals	2CMC484004M0201
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Popular Downloads

Data Sheet, Technical Information	2CMC484002M0201
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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	90283011
UNSPSC	41113667
eClass	V11.0 : 27142316
IDEA Granular Category Code (IGCC)	3300 >> Kilowatt-hour meter
Object Classification Code	P

Categories

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

