

PRODUCT-DETAILS

# A42 552-120

## A42 552-120, Energy meter'Platinum', Modbus RS485, Single-phase, 6 A



### Informations générales

Extension du type de produit	A42 552-120
Code de produit	2CMA170518R1000
ABB désignation de type	A42 552-120
EAN	7392696705189
Description courte	A42 552-120, Energy meter'Platinum', Modbus RS485, Single-phase, 6 A

Description longue	<p>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. RS-485 communication over Modbus RTU or EQ Bus. 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.</p>
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### Eco Transparence

Environmental Product Declaration - EPD	9AKK108467A4138
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### Technique

Normes et standards	IEC 62053-23
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Fonction	Electricity meter
Sub-Function	Platinum
Tension nominale (U <sub>r</sub> )	57.7-288 V
Courant nominal (I <sub>n</sub> )	1 A Maximum 6 A
Intensité de courant	6 A
Fréquence assignée (f)	16.7 Hz 0.801 W
Interface de communication	Modbus RS485
Précision	Active Energy Class C 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
Nombre de pôles	1
Nombre de phases	Single-phase
Number of Counter Positions	7
Nombre d'entrées/sorties numériques	4 I/O Channels
Horloge en temps réel	Real time clock with 5 ppm accuracy at reference temperature 25°C
Meter Type	Transformer connected
Type de montage	DIN-Rail
Pulse Output Type	Electrical
Type d'affichage	Digital
Matériau du boîtier	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 <sup>2</sup>

## Environnement

Température de l'air ambiant	Operation -40 ... 70 °C
Indice de protection	IP20
Statut RoHS	Following EU Directive 2002/95/EC August 18, 2005 and amendment
Informations RoHS	2CMC484006
Informations environnementales	2CMC484005D0001
Conflict Minerals Reporting Template (CMRT)	9AKK108468A3363

## Dimensions

Width in Number of Modular Spacings	4
Produit Largeur Net	70 mm
Produit Hauteur Net	26.5 mm
Produit Longueur Net	65 mm
Poids net	0.207 kg
Taille	97X70X65

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## Commande

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Poids	0.279 kg
E-Number (Sweden)	0980698

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## Certificats et Déclarations (Numéro de document)

Déclaration de Conformité - CE	No declaration needed
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## Installation

Instructions et manuels	2CMC484004M0201
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## Downloads Préférés

Fiche produit, informations techniques	2CMC484002M0201
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## Classifications

ETIM 8	EC001506 - Kilowatt-hour meter
ETIM 9	EC001506 - Kilowatt-hour meter
Catégorie DEEE	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B	Business To Consumer
CN8	90283011
eClass	V11.0 : 27142316
Code de classification d'objet	P

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## Catégories

Produits basse tension → Appareillage modulaire et parafoudres → Compteurs d'énergie → Compteurs d'énergie

