

PRODUCT-DETAILS

# A41 312-100

## A41 312-100, Energy meter'Silver', Modbus RS485, Single-phase, 5 A



### Informations générales

Extension du type de produit	A41 312-100
Code de produit	2CMA170503R1000
ABB désignation de type	A41 312-100
EAN	7392696705035
Description courte	A41 312-100, Energy meter'Silver', Modbus RS485, Single-phase, 5 A

Description longue	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. Single phase direct connected for active energy. One output for pulses or alarm etc. Accuracy class 1.0 (or B for MID meters). The meters is IEC approved + MID approved and verified.
--------------------	---

### Eco Transparence

Environmental Product Declaration - EPD	9AKK108467A4138
---	-----------------

### Technique

Normes et standards	EN 50470-3
Fonction	Electricity meter
Sub-Function	Silver
	57.7-288 V

Tension nominale ( $U_r$ )	
Voltage Range	47...331 V
Courant nominal ( $I_n$ )	5 A Maximum 80 A
Intensité de courant	5 A
Fréquence assignée (f)	50 / 60 Hz
	0.807 W
Interface de communication	Modbus RS485
Précision	Active Energy Class B MID ( $\pm 1\%$ )
Measuring Instrument Conformity	Measurement Instrument Directive (MID)
Meter Tariff Control	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	2 DI 2 DO
Meter Type	Direct 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.
Option E/S	2 digital output, 2 digital input
Communication	Modbus RTU
Connecting Capacity Main Circuit	1 ... 25 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	2CMC484004D0001
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	0.246 kg
Taille	97X70X65

---

**Commande**


---

Emballage Niveau 1 Unités	box 1 pièce
Emballage Niveau 1 Poids	0.318 kg
E-Number (Finland)	6701004
E-Number (Sweden)	0980684

---



---

**Certificats et Déclarations (Numéro de document)**


---

Déclaration de Conformité - CE	No declaration needed
--------------------------------	-----------------------

---



---

**Installation**


---

Instructions et manuels	2CMC484004M0201
-------------------------	-----------------

---



---

**Downloads Préférés**


---

Fiche produit, informations techniques	2CMC484002M0201
--	-----------------

---



---

**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

---



---

**Accessories**


---

Identifiant	Description	Type	Quantity	Unit Of Measure
2CCG000242R0001	SCU100 Control unit	SCU100	1	piece
2CDG110226R0011	QA/S3.16.1 Energy Analyzer, M-Bus, 16 Devices, MDRC	QA/S3.16.1	1	piece
2CDG110227R0011	QA/S3.64.1 Energy Analyzer, M-Bus, 64 Devices, MDRC	QA/S3.64.1	1	piece
2CDG110228R0011	QA/S4.16.1 Energy Analyzer, Modbus RTU, 16 Devices, MDRC	QA/S4.16.1	1	piece
2CDG110229R0011	QA/S4.64.1 Energy Analyzer, Modbus RTU, 64 Devices, MDRC	QA/S4.64.1	1	piece
2CDG110224R0011	QA/S1.16.1 Energy Analyzer, KNX, 16 Devices, MDRC	QA/S1.16.1	1	piece

---

---

## Catégories

---

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

