



 PRODUCT-DETAILS

M4M 20-M ETHERNET

M4M 20-M ETHERNET Network analyzer



General Information

Extended Product Type:	M4M 20-M ETHERNET
Product ID:	2CSG239065R4051
EAN:	8012542390657
Catalog Description:	M4M 20-M ETHERNET Network analyzer
Long Description:	M4M 20-M Ethernet is a network analyzer with MID approval, 2 digital outputs, aux supply 48-240 V AC/DC, Bluetooth and Modbus TCP/IP
Display Name:	M4M 20-M ETHERNET

ABB EcoSolutions

ABB EcoSolutions:	Yes
EcoSolutions Profile:	9AKK108470A1669
Recyclability Rate of the Product acc. to EN45555:	Design for Closing Resource Loops - Standard EN45555 - 54.85 %
Material Resource Reduction (wt. %):	Design for Reduced Resource Consumption - 22 %
ABB Site Meeting Group Waste To Landfill Target:	No non-hazardous waste is sent to a landfill UL 2799 Zero Waste To Landfill Validation available

Improved Energy Efficiency for Customers:	<p>Product Efficiency - Product considered more energy-efficient compared to similar product on market or older products from the same line</p> <p>Product Efficiency - Product requires less energy to operate compared to similar product on market or older products from the same line</p> <p>Process Efficiency - Product improves/optimizes process</p> <p>Process Efficiency - Product contribute to making customer's operations more resilient and reliable</p> <p>Process Efficiency - Product contribute to reducing customer operations environmental footprint</p> <p>Digital Efficiency - Product is digitally-supported to optimize usage and eventually optimize customer asset</p>
Extended Product Lifetime:	<p>Product Upgradability</p> <p>Lifetime extension of customer's assets is made possible thanks to offering and the supporting services</p>
End Of Life Disassembling Instructions:	9AKK108470A0840
Environmental Product Declaration - EPD:	9AKK108469A8099

Technical

Current Rating:	1 A
Communication Interface:	RS-485
Accuracy:	<p>Active energy:</p> <p>Class 0,5 acc. to IEC 61557-12</p> <p>Class 0,5S acc. to IEC 62053-22</p> <p>Reactive energy:</p> <p>Class 2 acc. to IEC 61557-12</p> <p>Class 2S acc. to IEC 62053-23</p> <p>Active power:</p> <p>Class 0,5 acc. to IEC 61557-12</p> <p>Reactive power:</p> <p>Class 2 acc. to IEC 61557-12</p> <p>Apparent power:</p> <p>Class 0,5 acc. to IEC 61557-12</p> <p>Voltage:</p> <p>Class 0,2 acc. to IEC 61557-12</p> <p>Current:</p> <p>Class 0,2 acc. to IEC 61557-12</p> <p>Neutral current:</p> <p>Calculated</p> <p>Frequency:</p> <p>Class 0,1 acc. to IEC 61557-12</p> <p>Unbalances (current, voltage):</p> <p>Class 0,2 acc. to IEC 61557-12</p> <p>Harmonics, THD (current, voltage):</p> <p>Class 1 acc. to IEC 61557-12</p>
Measuring Instrument Conformity:	Measurement Instrument Directive (MID)
Meter Tariff Control:	Internal External
Meter Tariff Rating:	Multi-Tariff
Pulse Output Rate:	1 ... 999999
Model Number:	Measurement transformer
Number of Poles:	3P or 4P
Number of Phases:	3-phase
Number of Counter Positions:	9
Number of Digital In/Outputs:	2 Digital Outputs
Energy Meter Type:	Effective Power Blind Power

Meter Type:	Transformer connected
Pulse Output Type:	Electrical
Type of Indicator:	Digital
Additional Information:	CT (1A, 5A)
Communication:	Modbus TCP/IP, Bluetooth

Electrical

Rated Voltage (U_r):	46 ... 400 (Un) N-L V 80 ... 690 (Un) L-L V
Secondary Voltage:	400 V
Voltage Range:	3x184...264 V
Auxiliary Voltage AC/DC:	48...240 V AC/DC
Rated Current (I_n):	Maximum 6 A
Secondary Current:	5 A 1 A
Frequency (f):	211 ... 60 Hz
Power Consumption (@P_{cons}):	10 W

Material Compliance

RoHS Declaration:	9AKK107680A0174
RoHS Information:	Following EU Directive 2011/65/EU and Amendment 2015/863 July 22, 2019
RoHS Date:	20250314
REACH Declaration:	9AKK108467A9482
REACH Information:	False - does not contain substances > 0.1 mass percentage
REACH Date:	20251223
Conflict Minerals Reporting Template (CMRT):	9AKK108468A3363
WEEE Category:	5. Small Equipment (No External Dimension More Than 50 cm)
WEEE B2C / B2B:	Business To Business

Environmental

Degree of Protection:	IP54
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Dimensions

Width in Number of Modular Spacings:	5.5
Product Net Width:	96 mm
Product Net Height:	96 mm
Product Net Depth / Length:	78 mm
Product Net Weight:	325 g

Ordering

Package Level 1 Units:	box 1 piece
Package Level 1 Gross Weight:	0.50 kg
E-Number (Finland):	6719019

Certificates and Declarations

Declaration of Conformity - CE:	9AKK107680A0174
EU Data Act Compliance Declaration:	9AKK108471A5057

Installation

Instructions and Manuals:	2CSG445030D0201
Mounting Type:	Front Panel

Popular Downloads

Data Sheet, Technical Information:	2CSG445032D0201
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External Classifications and Standards

ETIM 9:	EC001506 - Kilowatt-hour meter
ETIM 10:	EC001506 - Electricity meter
eClass:	V11.0 : 27142316

Accessories

Identifier	Description	Qty	Type	Unit Of Measure
2CSG225995R1101	CT MAX 1000 Current transformer	1	CT MAX 1000	piece
2CSG226055R1101	CT MAX 1000 SELV Current transformer	1	CT MAX 1000 SELV	piece
2CSG225945R1101	CT MAX 300 Current transformer	1	CT MAX 300	piece
2CSG226005R1101	CT MAX 300 SELV Current 1 transformer	1	CT MAX 300 SELV	piece
2CSG225955R1101	CT MAX 400 Current transformer	1	CT MAX 400	piece
2CSG226015R1101	CT MAX 400 SELV Current 1 transformer	1	CT MAX 400 SELV	piece
2CSG225965R1101	CT MAX 500 Current transformer	1	CT MAX 500	piece

2CSG226025R1101	CT MAX 500 SELV Current transformer	1	CT MAX 500 SELV	piece
2CSG225975R1101	CT MAX 600 Current transformer	1	CT MAX 600	piece
2CSG226035R1101	CT MAX 600 SELV Current transformer	1	CT MAX 600 SELV	piece
2CSG225985R1101	CT MAX 800 Current transformer	1	CT MAX 800	piece
2CSG226045R1101	CT MAX 800 SELV Current transformer	1	CT MAX 800 SELV	piece
2CSG225785R1101	CT PRO XT 100 Current transformer	1	CT PRO XT 100	piece
2CSG225885R1101	CT PRO XT 100 SELV Current transformer	1	CT PRO XT 100 SELV	piece
2CSG225795R1101	CT PRO XT 150 Current transformer	1	CT PRO XT 150	piece
2CSG225895R1101	CT PRO XT 150 SELV Current transformer	1	CT PRO XT 150 SELV	piece
2CSG225805R1101	CT PRO XT 200 Current transformer	1	CT PRO XT 200	piece
2CSG225905R1101	CT PRO XT 200 SELV Current transformer	1	CT PRO XT 200 SELV	piece
2CSG225815R1101	CT PRO XT 250 Current transformer	1	CT PRO XT 250	piece
2CSG225915R1101	CT PRO XT 250 SELV Current transformer	1	CT PRO XT 250 SELV	piece
2CSG225825R1101	CT PRO XT 300 Current transformer	1	CT PRO XT 300	piece
2CSG225925R1101	CT PRO XT 300 SELV Current transformer	1	CT PRO XT 300 SELV	piece
2CSG225745R1101	CT PRO XT 40 Current transformer	1	CT PRO XT 40	piece
2CSG225845R1101	CT PRO XT 40 SELV Current transformer	1	CT PRO XT 40 SELV	piece
2CSG225835R1101	CT PRO XT 400 Current transformer	1	CT PRO XT 400	piece
2CSG225935R1101	CT PRO XT 400 SELV Current transformer	1	CT PRO XT 400 SELV	piece
2CSG225755R1101	CT PRO XT 50 Current transformer	1	CT PRO XT 50	piece
2CSG225855R1101	CT PRO XT 50 SELV Current transformer	1	CT PRO XT 50 SELV	piece
2CSG225765R1101	CT PRO XT 60 Current transformer	1	CT PRO XT 60	piece
2CSG225865R1101	CT PRO XT 60 SELV Current transformer	1	CT PRO XT 60 SELV	piece
2CSG225775R1101	CT PRO XT 80 Current transformer	1	CT PRO XT 80	piece
2CSG225875R1101	CT PRO XT 80 SELV Current transformer	1	CT PRO XT 80 SELV	piece
2CCG000242R0001	SCU100 InSite pro M compact	1	SCU100	piece

2CDG110228R0011	QA/S4.16.1 Energy Analyzer, Modbus RTU, 16 Devices, MDRC	1	QA/S4.16.1	piece
2CDG110229R0011	QA/S4.64.1 Energy Analyzer, Modbus RTU, 64 Devices, MDRC	1	QA/S4.64.1	piece

Categories

Products > Low Voltage Products and Systems > Modular DIN Rail Products > Energy Efficiency Devices > Network Analyzers and Multimeters

