



Automatización Eléctrica
Especialistas en Automatización

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Monitoring

Energy and power measuring technology

Extension modules

Plug-in special function module for the EEM-MA600 energy meter

EEM-2DIO-MA600

- Two digital inputs and outputs
- Configurable threshold values

EEM-2AO-MA600

- Two 0 ... 20 mA/4 ... 20 mA analog outputs, configurable

Notes:

1) EMC: Class A product, see page 571



Two digital inputs and outputs



Two analog outputs

Digital input
Voltage input signal
Input pulse length
Output
Output description
Maximum switching voltage
General data
Supply voltage
Degree of protection
Ambient temperature range
Conformance / approvals
Conformance
UL, USA / Canada

Technical data	
10 V DC ... 30 V DC	
10 ms	
Relay output	
250 V AC/DC	
9 V (via EEM-MA600)	
IP20	
-10°C ... 55°C (14°F to 131°F)	
CE-compliant	
UL 61010-1	

Technical data	
-	
-	
Current output	
-	
9 V (via EEM-MA600)	
IP20	
-10°C ... 55°C (14°F to 131°F)	
CE-compliant	
UL 61010-1	

Ordering data			
Description			
Special function module (for EEM-MA600)			
With two digital I/Os			
With two analog outputs			

Type	Order No.	Pcs. / Pkt.
EEM-2DIO-MA600 ¹⁾	2901371	1

Type	Order No.	Pcs. / Pkt.
EEM-2AO-MA600 ¹⁾	2901475	1

Extension modules

Plug-in special function module for the EEM-MA600 energy meter

EEM-MEMO-MA600

- Stores the last ten alarms together with the time and date
- Stores the real and reactive power, e.g., for 45 days with a 15-minute synchronization pulse

Notes:

1) EMC: Class A product, see page 571



Memory module

Digital input
Voltage input signal
General data
Supply voltage
Memory size
Degree of protection
Ambient temperature range
Conformance / approvals
Conformance
UL, USA / Canada

Technical data	
10 V DC ... 30 V DC	
9 V (via EEM-MA600)	
512 kByte	
IP20	
-10°C ... 55°C (14°F to 131°F)	
CE-compliant	
UL 61010-1	

Technical data	
10 V DC ... 30 V DC	
9 V (via EEM-MA600)	
512 kByte	
IP20	
-10°C ... 55°C (14°F to 131°F)	
CE-compliant	
UL 61010-1	

Ordering data			
Description			
Memory module (for EEM-MA600)			

Type	Order No.	Pcs. / Pkt.
EEM-MEMO-MA600 ¹⁾	2901370	1

Type	Order No.	Pcs. / Pkt.
EEM-MEMO-MA600 ¹⁾	2901370	1

Monitoring

Energy and power measuring technology

Extension modules

Communication modules

EEM-RS485-MA...

- JBUS/Modbus RTU (RS-485)

EEM-PB...-MA600

- PROFIBUS DP, with transmission speeds of 1.5 or 12 Mbps

Notes:

1) EMC: Class A product, see page 571



RS-485



PROFIBUS

Serial port
Output description
Serial transmission speed
General data
Supply voltage
Degree of protection
Ambient temperature range
Conformance / approvals
Conformance
UL, USA / Canada

Technical data	
Modbus RTU/JBUS RS-485	
2.4 ... 38.4 kbps	
9 V (via EEM-MA400)	
IP20	
-10°C ... 55°C (14°F to 131°F)	
CE-compliant	
UL 61010-1	

Ordering data			
Description			
Communication module (for EEM-MA400)			
JBUS/Modbus RTU (RS-485)			
Communication module (for EEM-MA600)			
JBUS/Modbus RTU (RS-485)			
PROFIBUS DP (1.5 Mbps)			
PROFIBUS DP (12 Mbps)			

Type	Order No.	Pcs. / Pkt.
EEM-RS485-MA400 ¹⁾	2901365	1
EEM-RS485-MA600 ¹⁾	2901367	1

Technical data	
EEM-PB-MA600 ¹⁾	EEM-PB12-MA600 ¹⁾
PROFIBUS DP RS-485	PROFIBUS DP RS-485
9.6 kbps ... 1.5 Mbps	9.6 kbps ... 12 Mbps
9 V (via EEM-MA600)	9 V (via EEM-MA600)
IP20	IP20
-10°C ... 55°C (14°F to 131°F)	-10°C ... 55°C (14°F to 131°F)
CE-compliant	CE-compliant
UL 61010-1	UL 61010-1

Ordering data			
Type	Order No.	Pcs. / Pkt.	
EEM-PB-MA600 ¹⁾	2901368	1	
EEM-PB12-MA600 ¹⁾	2901418	1	

Communication modules

EEM-ETH-MA600

- Ethernet
- Integrated web server

EEM-ETH-RS485-MA600

- Ethernet/RS-485 gateway
- MODBUS RTU master for up to 246 slaves
- Integrated web server

Notes:

1) EMC: Class A product, see page 571



Ethernet (MODBUS TCP)



Ethernet/RS-485 gateway (MODBUS TCP/MODBUS RTU)

Serial port
Output description
Serial transmission speed
General data
Supply voltage
Degree of protection
Ambient temperature range
Conformance / approvals
Conformance
UL, USA / Canada

Technical data	
Modbus TCP Ethernet (RJ45)	
10/100 Mbps	
9 V (via EEM-MA600)	
IP20	
-10°C ... 55°C (14°F to 131°F)	
CE-compliant	
UL 61010-1	

Ordering data			
Description			
Communication module (for EEM-MA600)			
Ethernet			
RS-485/Ethernet gateway			

Type	Order No.	Pcs. / Pkt.
EEM-ETH-MA600 ¹⁾	2901373	1

Technical data	
Modbus TCP Ethernet (RJ45)	
10/100 Mbps	
9 V (via EEM-MA600)	
IP20	
-10°C ... 55°C (14°F to 131°F)	
CE-compliant	
UL 61010-1	

Ordering data			
Type	Order No.	Pcs. / Pkt.	
EEM-ETH-RS485-MA600 ¹⁾	2901374	1	



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Product	Code	Reference	Product link
PROFIBUS (1.5 Mbps) communication module for EEM-MA600	2901368	EEM-PB-MA600	Buy on EAN