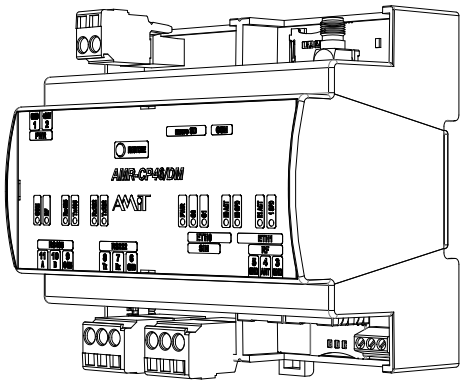
AMR-CP46/DM RevA

Communication unit, programmable controller

- **2× Ethernet 10/100 Mbps (switch)**
- **1× RS232 without GI**
- **1× RS485 with GI**
- **1× GSM modem**
- **1× Poseidon® wireless interface**
- **Web server**
- **Micro SD card slot**
- **Power supply 24 V DC**
- **Mounted on a 35 mm DIN rail**



TECHNICAL DATA

Processor	STM32F437
FLASH	2 MB + 4 MB
RAM, SDRAM	1 MB + 16 MB
RAM backed-up	1 MB
EEPROM	32 KB
RAM + RTC back-up	Battery type CR1632
Memory card slot	Micro SD, 128 MB to 16 GB
ETHERNET	2× [1])
Communication speed	10/100 Mbps
Galvanic isolation	Yes [2])
Connection point	Connector RJ45, in accordance with IEEE802.3
RS232	1×
Galvanic isolation	No
Connection point	WAGO231-303/102-000
RS485	1×
Galvanic isolation	Yes [2])
Connection point	WAGO231-303/102-000
GSM communication	1×
Type	GSM modem
Antenna connection point	SMA
Poseidon® communication	1×
Operation frequency	868 MHz
Range with the supplied antenna	150 m in free space [3])
Supplied antenna	Wire
Connection point	Screw terminal block
Power supply	19.2 V DC to 28.8 V DC
Maximum consumption	155 mA
Connection point	WAGO231-302/102-000
Other	
Ingress protection rate	IP30
Mounting	On a 35 mm DIN rail
Operating temperature	-20 °C to 70 °C
Maximum ambient humidity	< 95 % non-condensing
Weight	0.21 kg
Dimensions (w × h × d)	(106 × 99 × 62) mm
Programming	DetStudio + EsiDet

[1]) One IP address can be configured in the device. The interface works as a switch.

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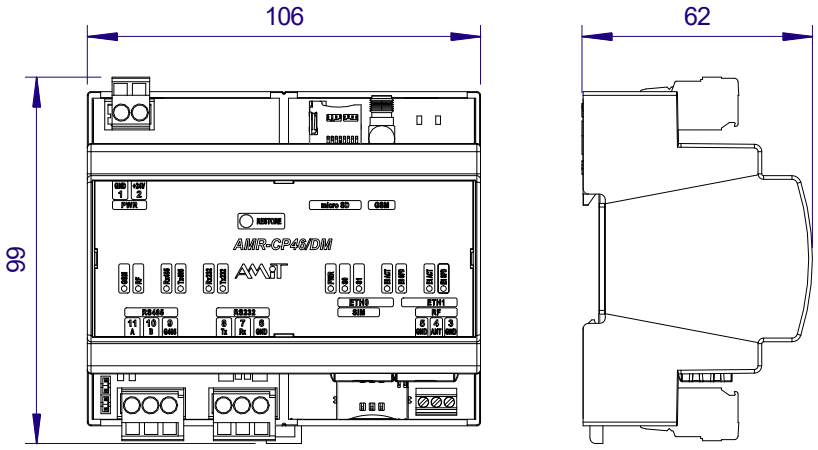
[2]) Isolation strength 500 V AC / 1 min., galvanic isolation must not be used for separation of dangerous voltages.

[3]) To extend the signal reach, use an external antenna.

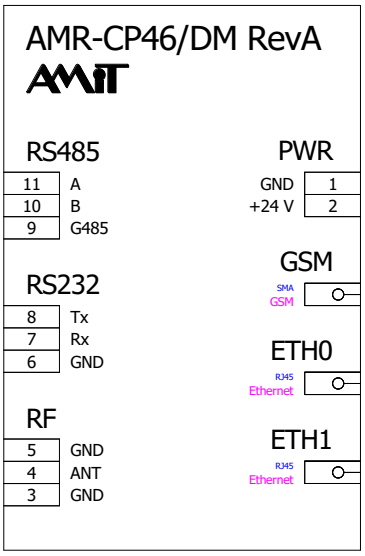
ORDERING INFORMATION

AMR-CP46/DM RevA	Communication unit, programmable controller
GSM-ANT-M5S	GSM – Magnetic antenna, 5 dB, 3 m cable, SMA

MECHANICAL DIMENSIONS



DRAWING SYMBOL



DESCRIPTION OF TERMINALS

Terminal	Signal	Significance
1	GND	Power supply, GND
2	+24V	Power supply, +24 V DC
3	GND	Antenna shielding
4	ANT	Antenna
5	GND	Antenna shielding
6	GND	RS232 interface, GND
7	Rx	RS232 interface, Rx
8	Tx	RS232 interface, Tx
9	G485	RS485 interface, GND
10	B	RS485 interface, signal B
11	A	RS485 interface, signal A

GND terminals (1, 3, 5 and 6) are internally connected. Use terminals 3 and 5 solely for connecting the antenna shielding.

Data in this datasheet is informative only. Binding detailed information can be found in the operation manual (**amr-cp4xdm_reva_g_en_xxx.pdf**). Documentation can be downloaded at **amitomation.com**.

The manner of usage of the system peripheries is determined by the current options of DetStudio / EsiDet.