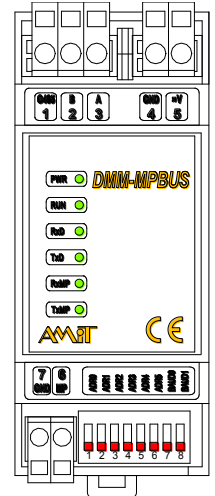


DMM-MPBUS

MP-Bus interface convertor with MODBUS RTU protocol

- RS485 line, MODBUS RTU protocol
- MP-Bus Master
- Power supply and status LED indication
- DIN 35 mm rail mounting
- Power supply 24 V AC



TECHNICAL DATA

Communication	1 × RS485
RS485 galvanic isolation	Yes ¹⁾
RS 485 overvoltage protections	Transil 600 W
RS485 communication protocol	MODBUS RTU
Number of modules on RS485 network	63
Max. number of modules on RS485 segment	32
MP-Bus galvanic isolation	No
Max. number of MP-Bus devices	8
Power supply	20 V DC to 28 V DC 18 V AC to 30 V AC
Maximum power consumption	100 mA / 24 V DC
Power supply overvoltage protection	Yes (supressor diodes 600 W)
Others	
Ingress protection rate	IP20
Operating temperature range	0 °C to 50 °C
Maximum ambient humidity	< 95 % non-condensing
Mounting	DIN 35 mm rail mounting
Weight	80 g
Dimensions	(36 × 99 × 75) mm ²⁾

¹⁾ Insulation strength 300 V AC / 1 minute, galvanic isolation must not be used for safe and unsafe parts separation.

²⁾ Dimensions including connectors and DIN rail lock.

ORDERING INFORMATION

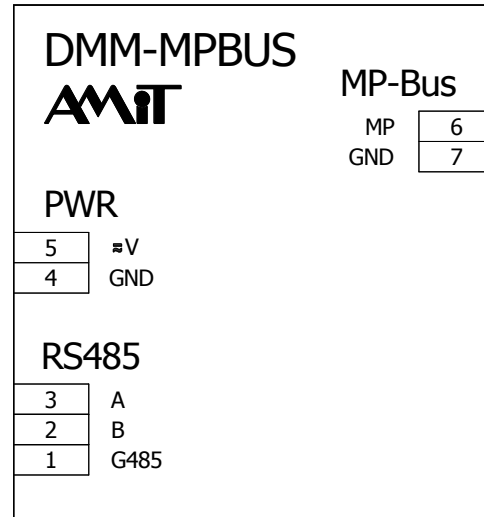
DMM-MPBUS	MP-Bus interface convertor with MODBUS RTU protocol
TRF03	Power supply transformer 18 V AC

TERMINALS IDENTIFICATION

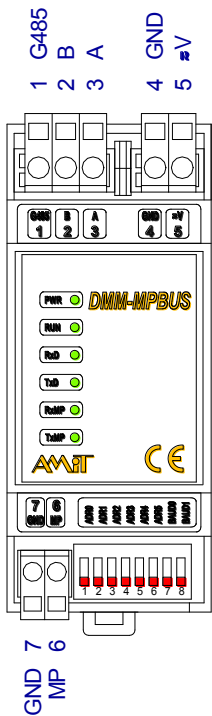
Terminal	Signal	Description
1	G485	RS485 line, shield
2	B	RS485 line, signal B
3	A	RS485 line, signal A
4	GND	Power supply, ground
5	≐V	Power supply 24 V DC / AC
6	MP	MP-Bus line, MP signal
7	GND	MP-Bus line, ground

Note: If the **DMM-MPBUS** is a terminating station on RS485 line, both J2 jumpers (located between terminals 3 and 4) must be fitted.

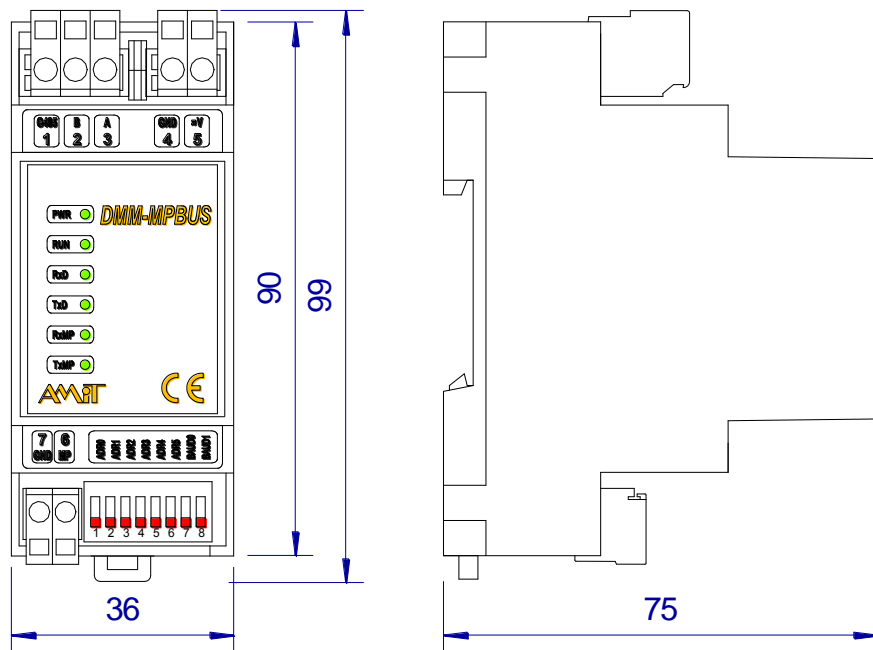
RECOMMENDED DRAWING SYMBOL



LOCATION OF TERMINALS



MECHANICAL DIMENSIONS



Data provided in this datasheet are only informative. Detailed information can be found in operational manual ([dmm-mpbus_g_en_xxx.pdf](#)).

Documentation and examples can be downloaded from www.amitation.com.