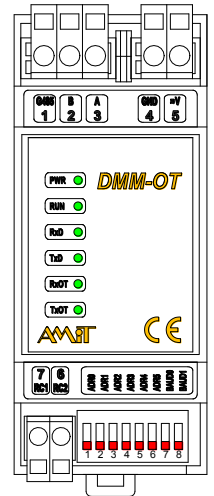


DMM-OT

OpenTherm/+ interface convertor with MODBUS RTU protocol

- RS485 interface, MODBUS RTU protocol
- OpenTherm/+ (OT/+) master
- Power supply and state LED indicators
- DIN 35 mm rail mounting
- Power supply 24 V AC/DC



TECHNICAL DATA

Communication	1 × RS485
RS485 galvanic isolation	No
RS485 interface overvoltage protection	Yes
RS485 communication protocol	MODBUS RTU
Number of modules on RS485 network	63
Max. number of modules on RS485 segment	32
OT/+ interface galvanic isolation	Yes
OT/+ interface overvoltage protection	Yes
Isolation strength	300 V AC / 1 minute ¹⁾
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
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⁾ Galvanic isolation must not be used for safe and unsafe parts separation.

²⁾ Dimensions including connectors and DIN rail lock.

ORDERING INFORMATION

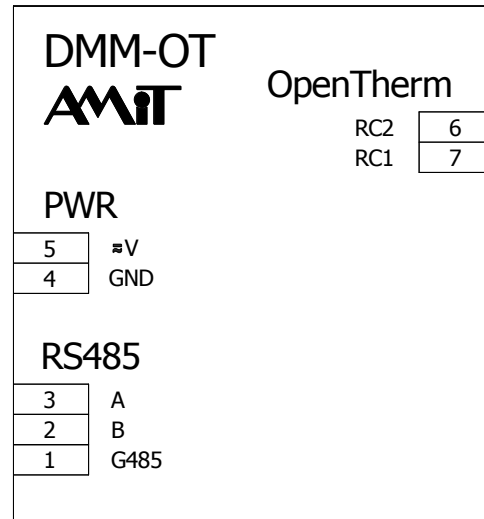
DMM-OT	OpenTherm/+ interface convertor with MODBUS RTU protocol
TRF03	Power supply transformer 18 V AC

TERMINALS IDENTIFICATION

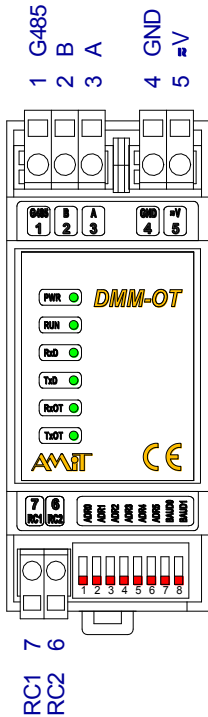
Terminal	Signal	Description
1	G485	RS485 interface, shield
2	B	RS485 interface, signal B
3	A	RS485 interface, signal A
4	GND	Power supply, ground
5	≈V	Power supply 24 V DC/AC.
6	RC2	OT/+ interface
7	RC1	OT/+ interface

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

RECOMMENDED DRAWING SYMBOL



LOCATION OF TERMINALS



MECHANICAL DIMENSIONS

