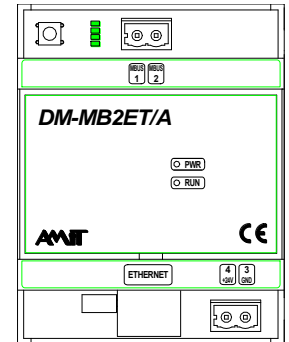


# DM-MB2ET/A

Converter M-Bus – Ethernet

- Communication interface Ethernet 10/100 Mbps
- Master M-Bus interface, up to 3 SLAVE units
- Mounting on DIN rail 35 mm
- Power supply through PoE or +24 V DC
- Communication MODBUS TCP / APE / Direct



## TECHNICAL DATA

<b>M-Bus</b>	1 ×
Interface type	Master
Communication speed	150 bps to 9600 bps
Overvoltage protection	Transil 600 W
Short-circuits protection	Resettable thermal fuse 100 mA
M-bus interface power supply	From internal power supply
Galvanic isolation	No
Number of connectable slave units	1 to 3
Connection point	WAGO 231-302/102-000
<b>ETHERNET</b>	1 ×
Communication speed	10/100 Mbps
Galvanic isolation	Yes <sup>1)</sup>
Connection point	Connector RJ45
<b>Power supply PoE</b>	43.2 V DC 52.8 V DC (PoE)
Maximum consumption from power supply	70 mA at 48 V DC
Galvanic isolation	Yes <sup>1)</sup>
Connection point	Connector RJ45
<b>Power supply +24 V</b>	19.2 V DC to 28.8 V DC
Maximum power consumption	140 mA at 24 V DC
Galvanic isolation	Yes <sup>1)</sup>
Connection point	WAGO 231-302/102-000
<b>Others</b>	
Ingress protection rate	IP20
Operating temperature range	-25 °C to 50 °C
Maximum ambient humidity	< 95 % non-condensing
Mounting	On DIN rail 35 mm
Weight	170 g
Dimensions (w × h × d)	(71 × 90 × 73) mm

<sup>1)</sup> Insulation strength 500 V AC / 1 min., galvanic isolation must not be used for safe and unsafe parts separation.

## ORDERING INFORMATION

<b>DM-MB2ET/A</b>	Communication converter
<b>F_FILTR/A07</b>	Ferrite filter on cable, cable diameter 6.0 mm to 7.5 mm

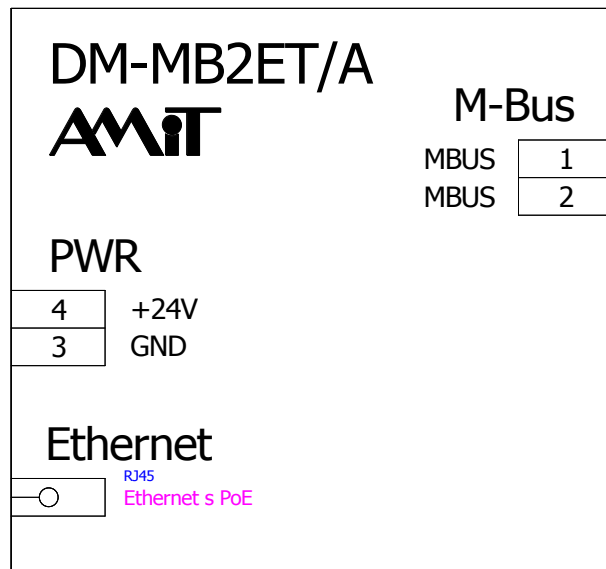
## TERMINALS IDENTIFICATION

Terminal	Signal	Description
1	MBUS	Terminal M-Bus
2	MBUS	Terminal M-Bus
3	GND	Power supply, ground
4	+24V	Power supply +24 V DC

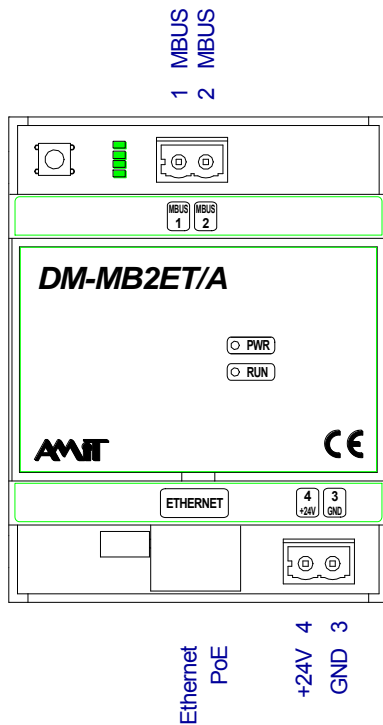
## CONNECTOR ETHERNET (POE)

Pin	Description
1	Tx+ / PoE
2	Tx- / PoE
3	Rx+ / PoE
4	+48 V / PoE
5	+48 V / PoE
6	Rx- / PoE
7	0 V / PoE
8	0 V / PoE

## RECOMMENDED DRAWING SYMBOL



## TERMINALS LOCATION



## MECHANICAL DIMENSIONS

