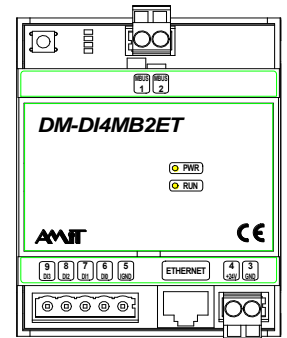


DM-DI4MB2ET

Converter M-Bus – Ethernet, with digital inputs

- Master M-Bus interface, up to 3 SLAVE units
- 4 × DI pulse, passive contact
- Stand-alone CPU for counting, power supplied from battery
- Pulse counting during power-off
- Power supply through PoE or +24 V DC
- Communication MODBUS TCP / APE / Direct



TECHNICAL DATA

Digital inputs	4 ×
Digital inputs type	Pulse / Passive contact
Galvanic isolation	No
Number of bits per counter	48
Pulse width – closed state	Min. 3 ms
Pulse width – opened state	Min. 7 ms
Battery lifetime	Max. 10 years ²⁾
M-Bus	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
ETHERNET	1 ×
Communication speed	10/100 Mbps
Galvanic isolation	Yes ¹⁾
Power supply PoE	43.2 V DC to 52.8 V DC (PoE)
Maximum power consumption from power supply	70 mA at 48 V DC
Galvanic isolation	Yes ¹⁾
Power supply +24 V	19.2 V DC to 28.8 V DC
Maximum power consumption	140 mA at 24 V DC
Galvanic isolation	Yes ¹⁾
Others	
Ingress protection rate	IP20
Operating temperature range	-40 °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

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

²⁾ A battery lifetime depends on operation; see Operation manual dm-di4mb2et_g_en_xxx.pdf.

ORDERING INFORMATION

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

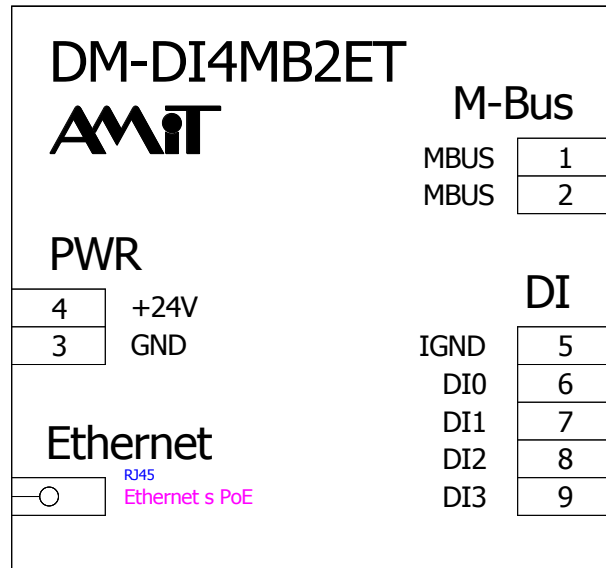
TERMINALS IDENTIFICATION

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
5	IGND	Common ground for DI0 to DI3
6	DI0	Digital input DI0
7	DI1	Digital input DI1
8	DI2	Digital input DI2
9	DI3	Digital input DI3

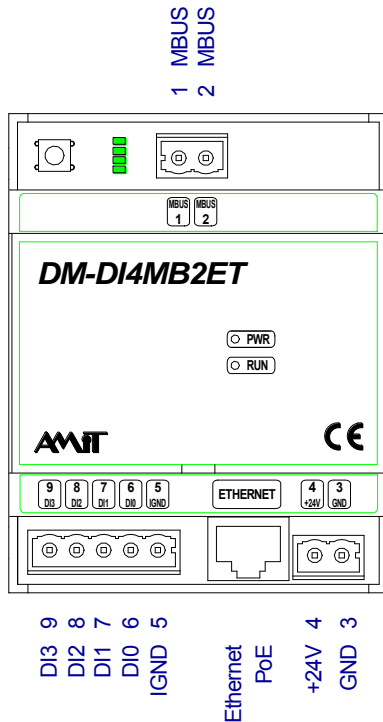
CONNECTOR ETHERNET (POE)

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

