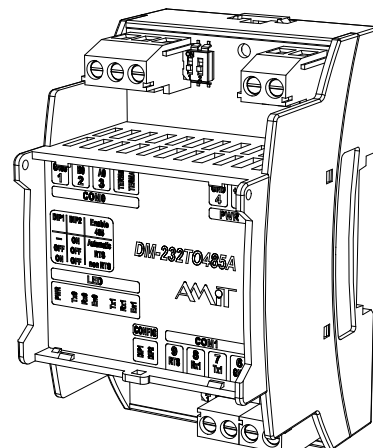


DM-232TO485A

Converter RS232/RS485

- Galvanic isolation with soft surge protectors
- Communication rate up to 115.2 kbps
- Automatic or controlled communication direction
- Indication of interface status by LED
- DIN rail mounting
- Power supply, 24 V DC



TECHNICAL DATA

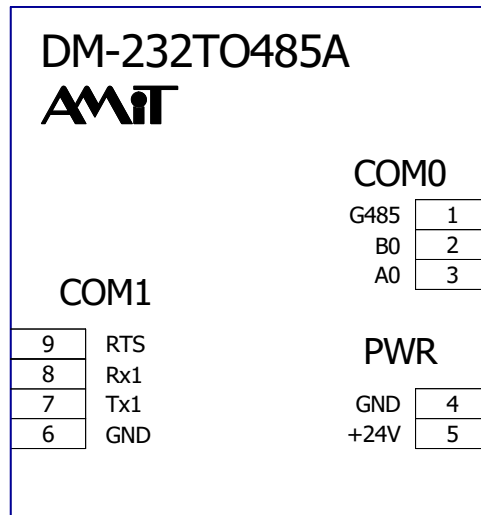
Communication	1× RS232, 1× RS485
Communication rate	up to 115.2 kbps
Galvanic isolation RS232	No
Galvanic isolation RS485 ¹⁾	Yes
RS232, RS485 overvoltage protection	Transil 600 W
No. of stations per RS485 segment	256
Power supply	10 V DC to 30 V DC
Maximum consumption	30 mA at 24 V DC
Overvoltage protection	Yes
Other	
Connection	Screw terminals
Ingress protection rate	IP20
Operating temperature range	-40 °C to 70 °C
Maximum ambient humidity	< 95 % non-condensing
Mounting	On a 35 mm DIN rail
Weight	0.08 kg
Dimensions (w × h × d)	(54 × 92 × 61) mm

¹⁾ Isolation strength 300 V AC / 1 min., galvanic isolation must not be used for separation of dangerous parts.

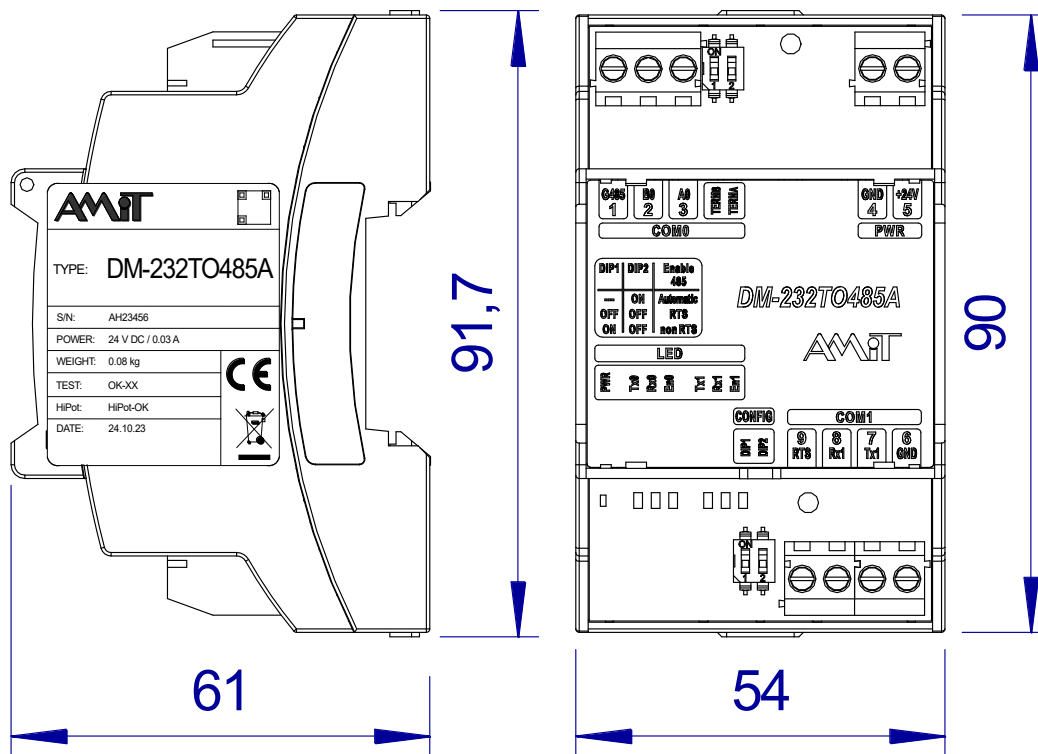
ORDERING INFORMATION

DM-232TO485A	Converter RS232/RS485
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RECOMMENDED DRAWING SYMBOL



MECHANICAL DIMENSIONS



DESCRIPTION OF TERMINALS

Terminal	Signal	Significance
1	G485	RS485, ground
2	B0	RS485, signal B
3	A0	RS485, signal A
4	GND	Power supply, ground
5	+24V	Power supply, +24 V DC
6	GND	RS232, ground
7	Tx1	RS232, signal Tx – input
8	Rx1	RS232, signal Rx – output
9	RTS	RS232, signal RTS – input

Data in this datasheet is tentative. Binding detailed information can be found in the operation manual (dm-232to485a_g_en_XXX.pdf). Documentation can be downloaded at amitautomation.com.