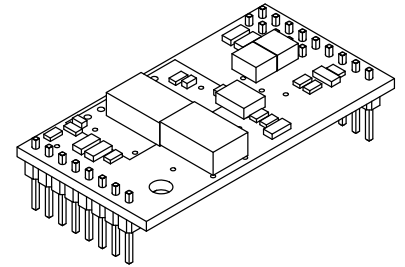


# CM-RS485

Communication Module

- RS485 interface communication module
- TTL control
- Power supply +5 V
- Soft overvoltage protection



## TECHNICAL DATA

<b>Communication</b>	RS485
Overvoltage protection	Transil 600 W
Galvanic insulation	Yes *)
Terminating resistor + idle state	On the module **)
Max. number of stations	32
Max. wire length	1200 m / 19200 Bd
<b>Power supply</b>	5 V DC $\pm 5$ %
Power consumption	120 mA
<b>Others</b>	
Control signals	TTL
Cover protection rate	IP00
Operating temperature	-40 to 85 °C
Max. ambient humidity	< 95 % non-condensing
Connection terminals	PIN with 2.5 mm grid
Weight	10 g
Dimensions (w x h x d)	24.6 x 47.2 x 20 mm

\*) Insulation strength 500 V AC / 1 minute, galvanic insulation may not be used for safe and unsafe parts separation.

\*\*\*) Termination and idle state definition is activated by jumpers/switches outside the modules.

## ORDERING INFORMATION

<b>CM-RS485 *)</b>	RS485 interface communication module, data sheet, warranty card
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\*) Only for use with AMiT devices

## CONNECTORS WIRING

Connector J4		
PIN	Signal	Description
1	Vcc	Power supply +5 V DC
2	GND	Ground
3	TxD	Input TTL
4	RxD	Output TTL
5	DIR	Input TTL
6	NC	Not used
7	NC	Not used
8	NC	Not used

Module transmits when signal DIR is in H state.

Connector J8		
PIN	Signal	Description
1	GND	Shield
2	A	RS485-A
3	NC	Not used
4	NC	Not used
5	GND	Shield

Connector J6		
PIN	Signal	Description
1	GND	Shield
2	B	RS485-B
3	NC	Not used
4	NC	Not used
5	GND	Shield
6	TERM-A	Termination + idle
7	TERM-A	Termination + idle
8	TERM-B	Termination + idle
9	TERM-B	Termination + idle

## DIMENSIONS AND CONNECTORS LOCATION

