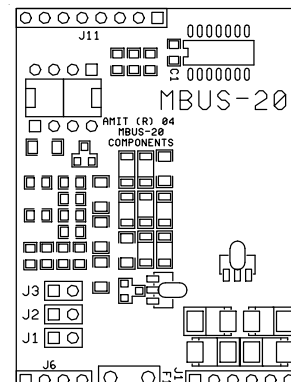


AM-MBUS/1-3

Communication Module

- **M-BUS interface communication module (master)**
- **TTL control**
- **Power supply +5 V DC / +50 V DC**
- **Soft overvoltage protection**
- **Galvanic separation**



TECHNICAL DATA

Module type	Master
Transmission rate	150 to 9600 Bd
Max. number of connected components	3 for AM-MBUS/1-3 version
Overvoltage protection	Transil 600 W
Line short circuit protection	Reversible thermal fuse 100 mA
Galvanic separation	Yes *)
Power supply	5 V DC $\pm 10\%$
M-BUS line power supply	Min. 40 V DC Max. 55 V DC
Control signals	TTL
Max. wire length	1000 m / 2400 Bd 350 m / 9600 Bd
Operating temperature	0 to 70 °C
Max. ambient humidity	< 95 % non-condensing
Cover protection rate	IP00
Dimensions (w x h x d)	38.5 x 51.5 x 20 mm
Weight	50 g
Connection terminals	PIN with 2.5 mm grid

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

ORDERING INFORMATION

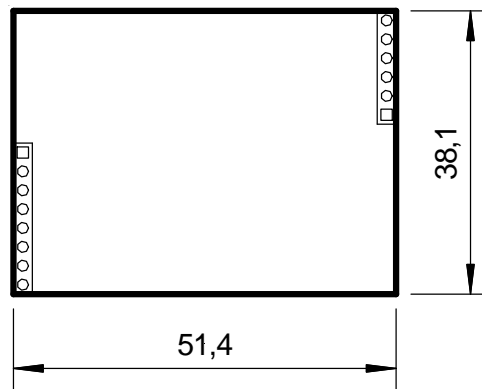
AM-MBUS/1-3	M-BUS interface communication module for 1 to 3 modules, warranty card, data sheet
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CONNECTORS WIRING

J1 connector		
PIN	Signal	Description
1	Vcc	Power supply +5V
2	TxD0	Output for LED indication
3	TxD	Input TTL
4	-	-
5	RxD	Output TTL
6	-	-
7	GND	Ground
8	GND	Ground

J2 connector		
PIN	Signal	Description
1	GND	Ground
2	A	M-BUS line
3	B	M-BUS line power supply
4	-	-
5	-	-
6	GND	Ground

PHYSICAL DIMENSIONS



WIRING EXAMPLE

