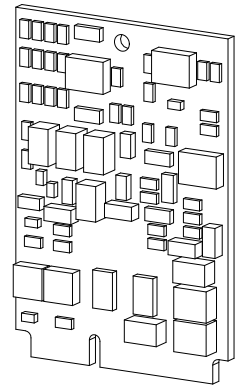


EM-MBUS5

Communication module

- **Communication module for M-Bus interface**
- **Support for up to 5 units per bus**
- **Bus external power supply**
- **LVC MOS control**
- **High inner-impedance protection circuits**



TECHNICAL DATA

Communication	M-Bus
Interface type	Master
Communication speed	(2,400, 4,800, 9,600) bps ¹⁾
M-Bus interface power supply	External
Power supply voltage for M-Bus interface	24 V DC ±10 %
Maximum module consumption from M-Bus interface	130 mA
Maximum line capacity	10 nF
Surge protector	Transil 600 W
Short-circuit protection	Electronic
Galvanic isolation	Yes ²⁾
Number of connectable slave devices	1 to 5
Power supply	3.3 V DC ±5 %
Maximum consumption	5 mA
Other	
Control signals	LVC MOS
Connection points	miniPCle
Ingress protection rate	IP00
Operating temperature range	-20 °C to 70 °C
Maximum ambient humidity	< 95 % non-condensing
Weight	8 g ±5 %
Module dimensions (w × h × d)	(30 × 44 × 7) mm

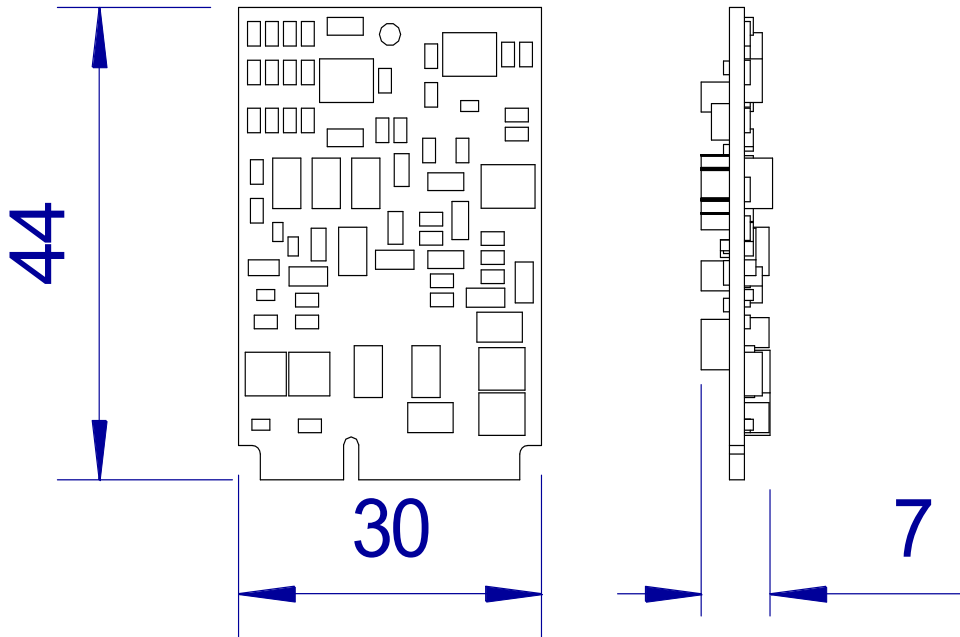
¹⁾ Determined by the programming capabilities of the DetStudio environment.

²⁾ Isolation strength 500 V AC / 1 min., galvanic isolation must not be used for separation of dangerous voltages.

ORDERING INFORMATION

EM-MBUS5	Communication module for the M-Bus Master interface for up to 5 slave devices, standoff spacer
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MECHANICAL DIMENSIONS



The **EM-MBUS5** communication module is exclusively connected to the products of the company AMiT that support it. Connecting it to a different device utilising the miniPCle slot may result in damage both to the device and to the connected **EM-MBUS5** module. The manufacturer does not bear any responsibility for damage caused this way. Failure to observe this also voids the warranty. The installation procedure of the **EM-MBUS5** communication module is always specified in the instructions of the respective device that supports it.

The **EM-MBUS5** communication module does not support short-circuiting of one unit on the M-Bus line. In this case, the communication will break down.

WIRING DIAGRAM

