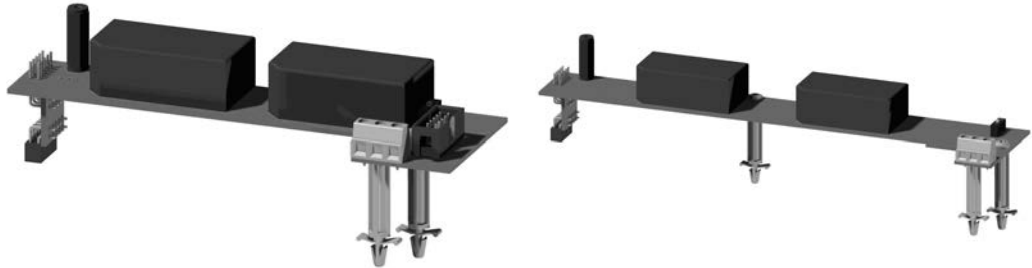


Data sheet GCM-GMM 08/16 MOD

Communications module Modbus for GMM EC



GCM-GMM/08 MOD BAAN no.: 5203905

GCM-GMM/16 MOD BAAN no.: 5203906

www.guentner.de

Contents

1	GCM-GMM 08/16 MOD.....	3
1.1	Functional description.....	3
1.2	Connections.....	3
1.3	Electrical properties.....	4
1.4	Installation / Operating conditions.....	4
1.5	Dimensions and weight.....	5
1.6	Grounding/Shielding of several GMM-GCM Modbus de- vices.....	7

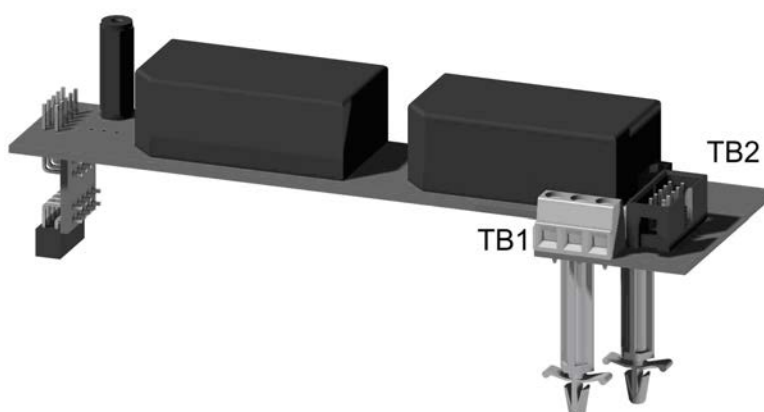
1 GCM-GMM 08/16 MOD

1.1 Functional description

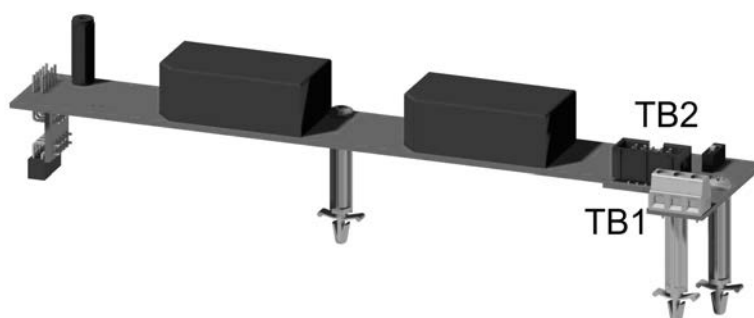
The GCM GMM/xx MOD module is used to connect the GMM controller to the bus communication. It facilitates reading out data as well as external control via an RS485 interface. Depending on the selected mode of operation you can read out individual parameters from the controller via the communication module, or modify parameters from outside.

You will find a precise description of the parameters and programming details in the interface specification "Modbus Parameter Specification for External Bus Communication of the sincon Güntner Motor Management (GMM sincon)". The RS485 interface is galvanically isolated.

1.2 Connections



Connections GCM GMM/08 MOD



Connections GCM GMM/16 MOD

Terminal TB1 is used to connect to the Modbus. Contacts A,B and GND are provided. The contact assignments can be seen on the PCB.

The DIP switch is used to terminate the bus connections. Only the first and last unit on the bus may have termination activated. All other units must have it switched off.

A service connector (TB2) is provided for firmware updates. It is intended only for use by personnel with appropriate Güntner training.

1.3 Electrical properties

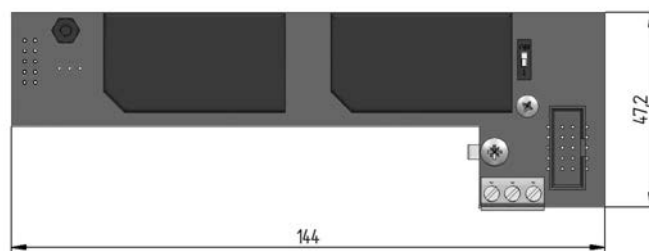
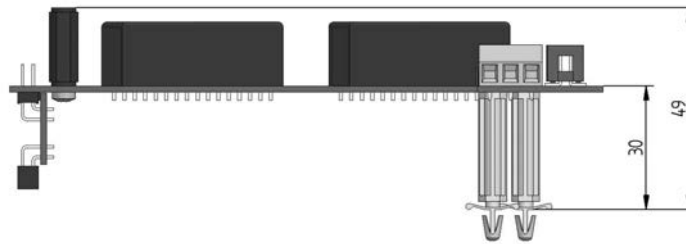
	Min	Type	Max	Unit
Modbus				
Transmission rate	-	9600	-	bit/s
Galvanic separation			1000	V(rms)

1.4 Installation / Operating conditions

- Bus lines must be shielded.
- The shielding of bus lines must be earthed at one end only.
- Signalling and control cables must be laid separately from mains and motor cables, e.g. in separate cable ducts.
- Ambient temperature: #20°C ~ +70°C
- Storage temperature: 0°C ~ +50°C, dry
- Recommended cables: Belden 9841, Lapp 2170203, Lapp 2170803, Helukabel 81910

1.5 Dimensions and weight

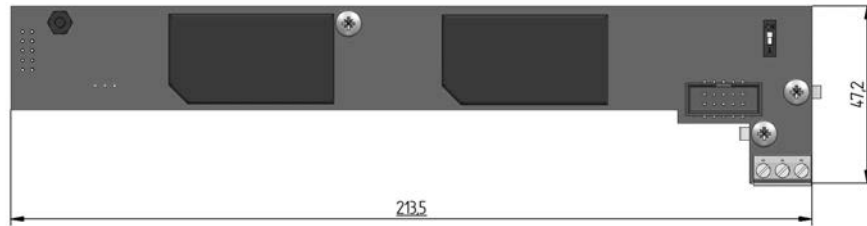
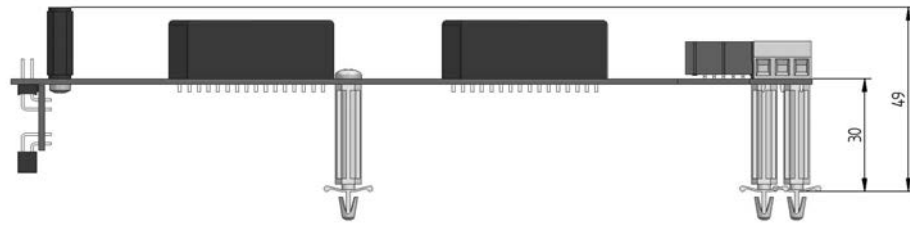
GCM GMM/08 MOD



All values in mm

Weight:
ca. 65g

GCM GMM/16 MOD



All values in mm

Weight:
ca. 75g

1.6 Grounding/Shielding of several GMM-GCM Modbus devices

