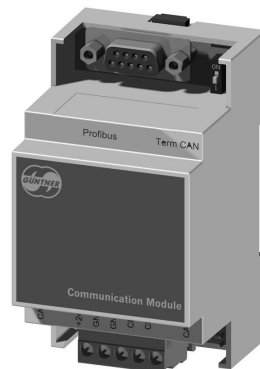


Datasheet GCMP.1

Communication Module Profibus



BAAN Nr.: 5204543

www.guentner.de

Contents

1	GCMP.1.....	3
1.1	Functional Description.....	3
1.2	Connections.....	4
1.3	Electrical Characteristics.....	5
1.4	Mounting / Operating conditions.....	5
1.5	Dimensions / Weight.....	6

1 GCMP.1

1.1 Functional Description

The GCMP.1 connects a Güntner controller to a Profibus network. Depending on the chosen operating mode of the controller the Güntner Communication Module (Profibus) can read out various parameters of the controller and in some cases change these parameters externally. A description of each parameter as well as details about programming the controller via Profibus is provided in the interface specification. Please refer to this document for further instructions.

The bus connection is realized with the standardized SUB-D connector (TB1). It is important to check the correct termination setting of the connector. Only connectors at the beginning and at the end of the bus may be terminated. All other terminations (of devices in the middle of the bus) must be switched off since this will lead to transmission errors. Also refer to the manual of the connector vendor.

The shield of the bus cable must be grounded in the switch cabinet. The shield of the bus may not be used for potential equalization between the devices on the bus. A separate cable must be used for this purpose.

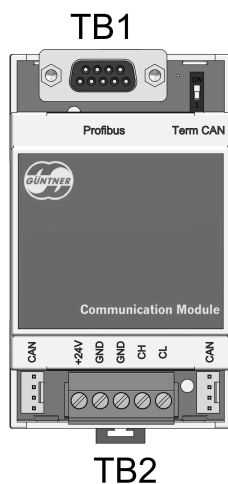
If the GCMP.1 is located next to a Güntner controller the included ribbon cable can be used to connect the GCMP.1 to the controller. In this case no additional connection to an external power supply is needed.

A service connector is mounted inside the housing of the communication module. This connector enables Güntner field service personnel to update the firmware of the module.

The module has automatic data rate detection and works up to a maximum speed of 12Mbps on the Profibus side.

1.2 Connections

Apart from the Profibus connector (TB1) the proprietary CAN bus (TB2) is available. This interface is for Güntner devices only.



Upper row		
	Name	Description
TB1	Profibus	Profibus connector
	Term CAN	Dip switch CAN Bus terminatio (1200hm)
Lower row		
	Name	Description
TB2	CAN	CAN connector including Voltage supply
	+24V	External Voltage supply
	GND	Ground
	GND	Ground
	CH	CAN High Signal
	CL	Can Low Signal
	CAN	CAN connector including Voltage supply

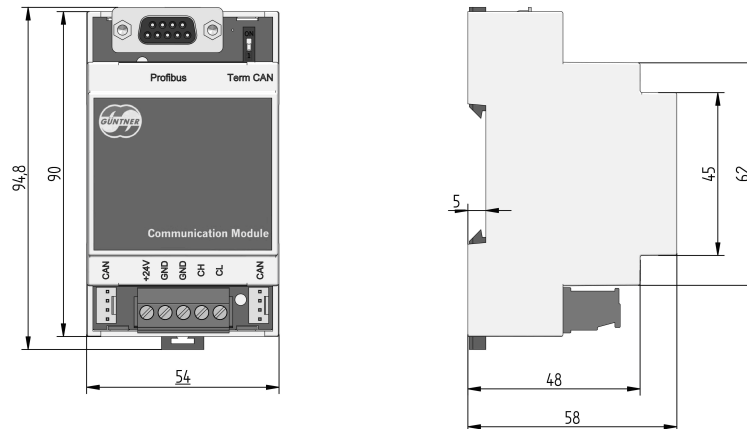
1.3 Electrical Characteristics

	Min	Type	Max	Unit
Voltage Supply DC	20	24	30	V
Current consumption		90	135	mA
Profibus Interface				
Data rate		1,5	12	Mbit/s
Galvanic isolation			1000	V(rms)
CAN Interface				
Termination		120		Ω
Galvanic isolation	-	-	-	
Data rate		125		Kbit/s
Withstand Voltage CH/CL	-24		+24	V

1.4 Mounting / Operating conditions

- All bus connections must be shielded.
- The shield of the bus connections must be grounded.
- Operating Temperature: -20°C ~ +70°C
- Storage Temperature: 0°C ~ +50°C, dry
- Degree of Protection: IP 20
- The device fulfills the EMV Norms EN61000-6-2 and EN61000-6-4.
It is not suitable for use in residential areas.

1.5 Dimensions / Weight



All values in mm

Weight:

approx. 115g