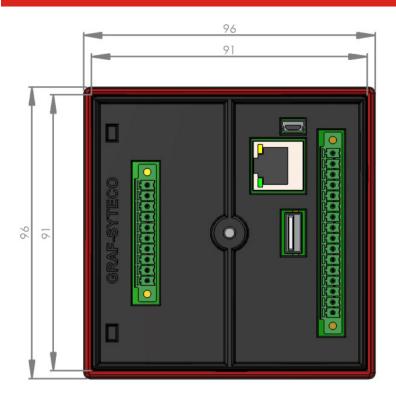
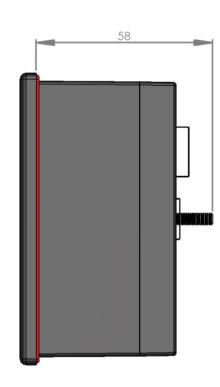


### **DIMENSIONAL DRAWING**







### **PERFORMANCE CHARACTERISTICS**

- ⇒ 8,9 cm (3,5") QVGA-TFT
- ⇒ visible face (70 mm x 52 mm)
- ⇒ 320 x 240 pixel / 25536 colors
- ⇒ 400 MHz ARM processor
- ⇒ 64 MB RAM / 32 MB Flash / 8kB FRAM

TECHNICAL DATA D1000\_1

Frontpanel mounting via spring clip

Acc. to directive 2004/108/EG

DIN 40839 part 1 (ISO7637)

EN61000

EN 60068-2-2

- ⇒ 4 illuminated touch keys with status LED
- ⇒ 2 x ISO11898 CAN interface
- ⇒ USB Host / USB Device
- ⇒ RS232 interface

Weight

**EMC** 

Mounting
Test Standard
CE identification

Vehicle test pulse

**Temperature** 

⇒ load-dump resistant

#### BENEFIT

The D1000 is a flexible operating terminal with 4 illuminated touch keyspads.

The active illumination of the buttons allows identification of machine conditions and availability. The operating device is programmed via the GDS software with the basic settings and the presentation of the visualization can be changed as needed.

The device is available in five different interface versions.

#### **Display** Display type TFT-color grafic display 320 x 240 pixel (QVGA) 8,9 cm **Backlighting** LED, white, 400 cd/m<sup>2</sup> Visible face 70 mm x 52 mm (3,5") **Contrast** 450:1 **Electrical Data Supply voltage** 10 - 32 VDC **Current consumption** <100 mA @ 24V (typ. 2W) The power supply of the digital outputs must be fused exter- 32 MB Flash Program and data storage Fuse nally with a 8A fuse. 64 MB RAM 8 kB FRAM RTC **Operating temperature** -25°C to +70°C Year, Month, Week, Weekday, Day, Hour, Minute, Second -40°C to +85°C **Storage temperature** Mass storage Interface 2 x CAN ISO 11898 IO's USB Host (to connect USB mass storage) USB Device (to connect to PC) Logic & C programmable via comfortable GDS -Software **Programming Parameterization GDSDesigner Mechanical Data** Dimensions (W x H x D) 96 x 96 x 60 mm Mounting hole (W x H) 91 x 91 mm

Technical changes reserved at any time without notification

**Humidity** 

**Vibration** 

Salt spray

e1 lable

**Shock** 

**International Protection** 

4 illuminated touch keypads with status LED and buzzer

Frontal IP65 / backside IP54

EN 60068-2-11 (optional)

EN 60068-2-30

EN 60068-2-6

EN 60068-2-27

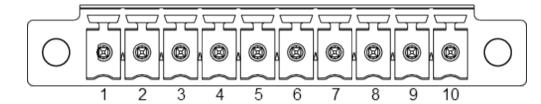
(optional)

### **PIN ASSIGNMENT**

#### 10 pin connector

Mating connector: Phoenix 1,5/10-STF-3,5 oder DFMC 1,5/10-STF-3,5 (to link the CAN interface)

Pin	Signal	Descripion
1	CAN0H	CANO High
2	CAN0GND	CANO Ground
3	CAN0L	CAN0 Low
4	CAN1H	CAN1 High
5	CAN1GND	CAN1 Ground
6	CAN1L	CAN1High
7	RS232_RX	RS232 Receive
8	RS232_TX	RS232 Transmit
9	GND	Ground
10	+24V	Supply



VERSIONS								
Performance	Version	D1000_1	D1000_2	D1000_3	D1000_4	D1000_5		
In-/Outputs		-	-	4 digital inpts 2 digital outputs 4 analog inputs	4 digital inpts 2 digital outputs 4 analog inputs	4 digital inpts 2 digital outputs 4 analog inputs		
Interfaces		2 x CAN RS 232	2 x CAN RS 485	2 x CAN RS 232	2 x CAN RS 232 Ethernet	2 x CAN RS 485		
additional		-	Modbus RTU	-	up to 32 GB mass storage possible	Modbus RTU up to 32 GB mass storage possible		

### **SUPPORT & CONTACT**

### **RECEIVING INSPECTION**

This product has been produced, tested and packaged with extensive care.

Nevertheless we request a check of the device and accessories for any transportation damage or defects immediately upon receipt. Please see the delivery note for a complete list of the items supplied. A damaged device should be returned in its original packaging, if possible.

The following information should accompany the device:

- a detailed description of the defect,
- your name and address.

### **Additional product information**

- manual ,Communication' (H127)
- manual ,GDSDesigner' (H301)
- manual ,GDSLogic' (H300)
- as well as on the internet: www.graf-syteco.de

# 

# Danger to life due to electric shock!

- control and automation technology
- control engineering
- automatic control engineering

Obserce the applicable EN, DIN and VDE (German Electiiical Engineering Association) standards when installing and connecting the device.

# **⚠** Danger!

# Danger to life due to incorrect input or incorrect operation!

Control sets are exclusivey suitable for operating, monitoring, controlling and regulating of processes.

To prevent dangerous situations with machines od systems due to incorrect input via the control set or malfunction or failure of the control set:

# **⚠** Caution!

# Malfunction due to perturbations!

Make sure that supply and data cables are protected against EMC effects.

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