

Marin Modular Control Systems

D1000_1 Size 96

D-Series Displays and Control Devices

Part no. 340 111

- ⇒ 3,5" (8,9 cm) QVGA-TFT
- ⇒ visible face (70 mm x 52 mm)
- ⇒ 320 x 240 pixel / 65536 colors
- ⇒ 400 MHz ARM9 32 Bit processor
- ⇒ 64 MB RAM / 32 MB Flash / 8kB FRAM
- ⇒ up to 32 GB mass storage possible with 4 illuminated touch, haptic or no keys

U ready-to-operate within 5 sec

Each specific application can be **easily parameterized and programmed** using our intuitive free of charge GDS software package.

Name codes

Sizes: D1000: 96mm - D1300: 144mm - D1520: 192mm	
Keys: Dxx00: Touch keys - Dxx10: haptic keys - Dxx20: no keys	
Variants:	<u> 1 </u> <u> 2 </u> <u> 3 </u> <u> 4 </u> <u> 5 </u>
2 x ISO11898 CAN interface	x x x x x
4 digital inputs	x x x x
2 digital outputs max. 2,5 A / diagnosable	x x x
4 analog inputs (0-10V / 0-20 mA)	x x x
USB Host / USB Device	x x x x x
RS485 - MODBUS RTU	x x x
RS232	x x x
Ethernet 10/100 Mbit - MODBUS - TCP	x x
Touch screen	-LT CODESYS -C
	1GB Memory -1

Optimal Visualization

The high resolution, contrast and view angle capability of the display enable a **maximum of visual representation.**



Technical specifications D1000_1:

Display

Display type	TFT-color graphic display	320 x 240 pixel (QVGA) 8,9 cm	Backlighting	LED, 450 cd/m ² , dimmable
Visible face	70 mm x 52 mm (3,5")		Touch screen (capacitive) opt.	Contrast 350:1

Electrical Data

Supply voltage	10 - 32 VDC	Current consumption	<180 mA @ 24V (typ. 2W)
Fuse	Ext. Power supply of hte dig. outp. to be fused with 8A	Program and data storage	<ul style="list-style-type: none"> ▪ 32 MB Flash ▪ 64 MB RAM ▪ 8 kB FRAM

Environment

Operating temperature	-20°C to +70°C	RTC:	Year, Month, Week, Weekday, Day, H, M, S
Storage temperature	-40°C to +85°C	Mass storage	up to 32 GB optional
Interface	<ul style="list-style-type: none"> ▪ 2 x CAN ISO 11898 ▪ RS232 ▪ USB Host (to connect USB mass storage) ▪ USB Device (to connect to PC) ▪ J1939 	IO's	-

Programming

Logic & C programmable via comfortable GDS -Software	Parameterization	GDSDesigner
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Mechanical Data

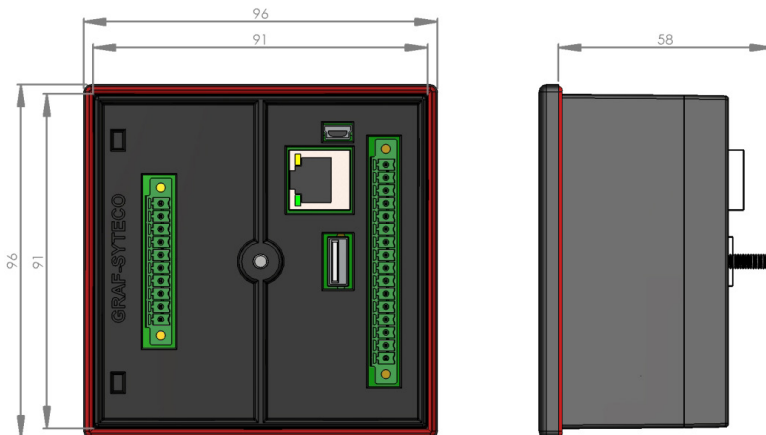
Dimensions (W x H x D)	96 x 96 x 58 mm	Mounting cutout (W x H)	91 x 91mm
Weight	325 g	Keys	4 illuminated touch keys with status LED and buzzer
Mounting	Frontpanel mounting via spring clips	Protection	Frontal IP65 / backside IP54

Test Standards

CE identification	Acc. to directive 2004/108/EG	Humidity	EN 60068-2-30
EMC	EN61000	Vibration	EN 60068-2-6
Vehicle test pulse	DIN 40839 part 1 (ISO7637)	Shock	EN 60068-2-27
Temperature	EN 60068-2-2	Salt spray	EN 60068-2-11 (optional)
		e1 lable	(optional)

We reserve the right to make technical changes without prior notice

Dimension drawings:



Contact Details:

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