

Data Sheet

Quarter VGA Color Display DP500



With the DP500 Danfoss offers a quarter VGA color display especially designed for mobile applications.

Application design is possible in ANSI C or Danfoss graphical programming language μ Graph.

μ Graph allows easy and efficient development of application programs including the design of screens. An application program can be downloaded via CAN into the internal flash memory of the DP500.

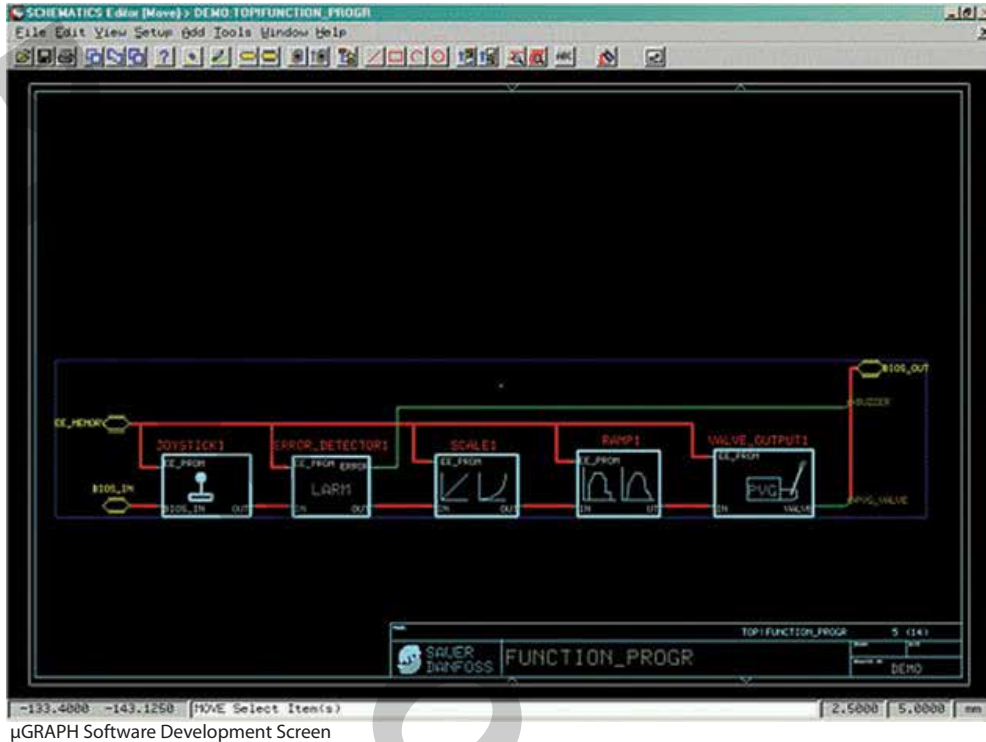
The CAN interface includes software controlled terminating resistors. The DP500 can be used in Danfoss RED-CAN (Redundant CAN) networks.

Customized design can be delivered, even in small quantities.

Features

- Full color QVGA display
- 9-input keypad
- High intensity alarm LED
- Output for external buzzer*
- 2 CAN 2.0B ports
- 1 or 2* RS-232C ports
- Programmable in C or μ Graph
- Environmentally hardened for mobile applications

*Optional



µGRAPH Software Development Screen

Inputs

- 1 Analog input for intensity control of backlight*
- 1 Integrated light sensor for intensity control of backlight
- 9-input keypad

Outputs

- 1 QVGA color display:
 - 115 × 86 mm
 - 320 × 240 pixel
- 1 High intensity alarm LED
- 2 Digital outputs for external buzzer*

Bidirectional

- 2 CAN Bus:
 - ISO 11898 physical layer
 - CAN 2.0 specification controller

System

- Power Supply: 24 V DC or 12 V DC*
- CPU: 32 bit, 486 processor, 66 MHz
- Memory: 16 MB RAM, 2 to 200* MB ROM

Mechanical

- Enclosure size: 145 × 190 × 90 mm (5.7 × 7.5 × 3.5 in)
- Connector: Binder 5*5 pin
- Ingress protection rating: IP 65
- Temperature Range:
 - Operation: -20°C to +50°C (-4 to + 122°F)
 - Storage: -30°C to +85°C (-22 to +185°F)

* Optional

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