

Data Sheet

PLUS+1[®] Mobile Machine Displays DP570 Series



PLUS+1

Introduction

The Danfoss DP570 Series is an element of the PLUS+1[®] family of mobile machine management products.

The DP570 is designed to perform in the most extreme mobile machine environments.

The DP570 offers a variety of different options to meet your application needs.

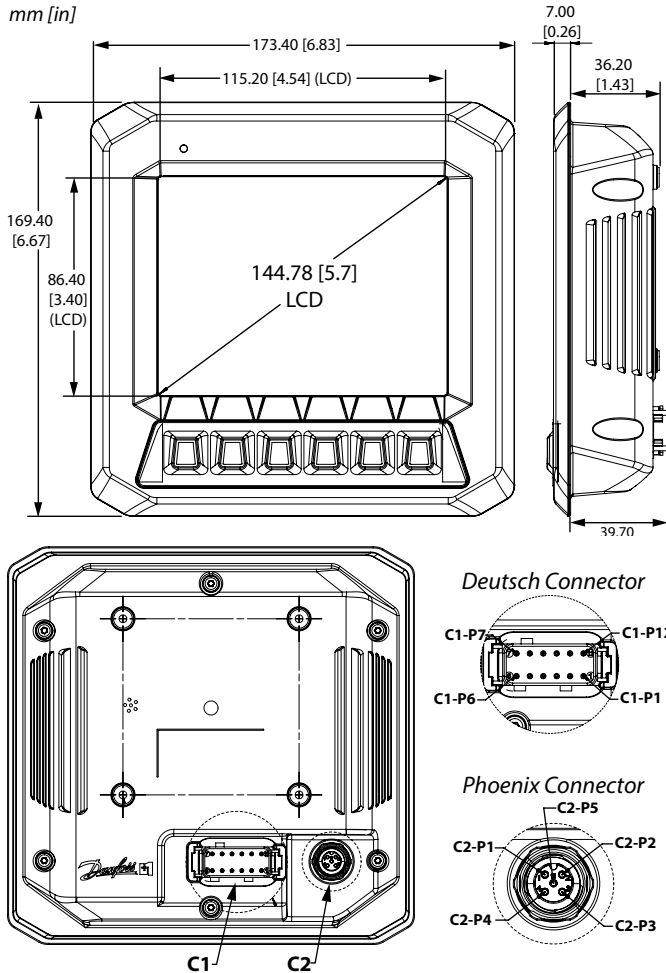
The latest technology with backlight provides outstanding brightness and contrast performance resulting in an easy-to-read screen.

Develop your own software and layout with PLUS+1 GUIDE. A graphic library is available for fast time-to-market.

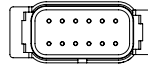
Features

- 5.7" high resolution Thin-Film-Transistor display, 640 x 480 pixels, 18-bit color
- Ideal for gauges, diagnostic menus, and other ancillary functions
- User-programmable with PLUS+1 GUIDE (Graphical User Integrated Development Environment)
- One optional video input with both PAL and NTSC support
- Two multifunction inputs that include DIN/AIN/FreqIN/Rheo/4-20 mA
- Fully integrated connectors and silicone keypad provide water and dust protection from all sides
- Keypad with 6 buttons
- All buttons have white backlight design for low light and night use, all are individually software controlled
- Protective glass provides superior antiglare and contrast control under all light conditions
- Two mounting options:
 - Flush mount in dashboard
 - Stand-alone post mount according to VESA standard 75 mm x 75 mm (2.953 in x 2.953 in)
- Integrated light sensor for automatic backlight adjustment
- Brightness 370 cd/m²
- Digital output for external alarm buzzer
- On board real-time clock
- CE compliant

Dimensions and Pin Assignments



Deutsch® DTMO6 12 Pin



C1 pin	Function
C1-P1	Power Ground -
C1-P2	Power Input +
C1-P3	CAN0 High +
C1-P4	CAN0 Low -
C1-P5	CAN Shield
C1-P6	CAN1 High + or DIN/AIN
C1-P7	CAN1 Low - or DIN/AIN
C1-P8	DIN/AIN/4-20 mA
C1-P9	DIN/AIN/4-20 mA
C1-P10	Multi-function Input
C1-P11	Multi-function Input
C1-P12	DOUT

M12 5 Pin



C2 pin	Function
C2-P1	Video Power Ground
C2-P2	Video Power Supply
C2-P3	Video Signal Input 1
C2-P4	Video Signal Ground
C2-P5	NC

Model Features

A	B	C	D	E	F	G	Part number
DP570	01	00	00	00	00	01	11134525
DP570	01	00	00	00	01	01	11130432
DP570	01	00	00	00	00	00	11140997
DP570	01	00	00	00	01	00	11140996

- A Model Name**

DP570	PLUS+1 Mobile Machine Displays
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- B Input/ Output Options**

01	User configurable: 1 CAN, 2 DIN/AIN, 2 DIN/AIN/4-20 mA, 2 Multi-function, 1 DOUT or 2 CAN, 2 DIN/AIN/4-20 mA, 2 Multi-function, 1 DOUT
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- C Real Time Clock**

00	RTC
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- D Flash Memory/Application key**

00	512 MB/without application key
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- E Application log (Vault Memory)**

00	16 MB
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- F Video Input options**

00	None
01	One Video Input
- G Mounting options**

00	Post mount cover
01	Panel mounting

Specifications

Processor	ARM-11, 532 MHz
RAM	128 MB
FRAM	8 kB
Supply voltage/ Current consumption	9 to 36 Vdc/ 0.5A at 12V and 0.25A at 24V
LCD glass	TFT with 18 bit resolution
LCD viewable area	86.40 mm (3.40 in) x 115.20 mm (4.54 in)
Ingress Protection (IP) rating (with sealing plugs in unused connections)	IP 67
Operating temperature	-20° C to +60° C (-4° F to +140° F)
Storage temperature	-30° C to +80° C (-22° F to +176° F)
Weight	0.6 kg (1.3 lb)
Vibration	3.17 g
Shock	50 g
Electromagnetic Compatibility (EMC)	100 V/m
Electrostatic Discharge (ESD)	15 kV

Related Products

Panel mounting kit	11140430
Deutsch 12 pin mating connector kit 20 AWG	10100944
Deutsch 12 pin mating connector kit 16 to 22 AWG	10102025
Mating connector kit	11145163
Post mount cover kit	11144122

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