SAUER DANFOSS

Data Sheet

DP200 Series Graphical Terminals

Introduction

The Sauer-Danfoss DP200 series of PLUS+1 compliant graphical terminals provide high quality, cost effective performance solutions to fit the needs of today's mobile machines.

The DP200 series of graphical displays feature robust mechanical, electrical and ingress protection specifications that meet the demands of mobile machine operation.

Large function-programmable buttons provide tactile feedback. The high resolution display is viewable in a wide range of lighting conditions. Backlight and contrast settings are adjustable.

Modern industrial design makes the DP200 series graphical terminal suitable for installation in open and enclosed cabs.
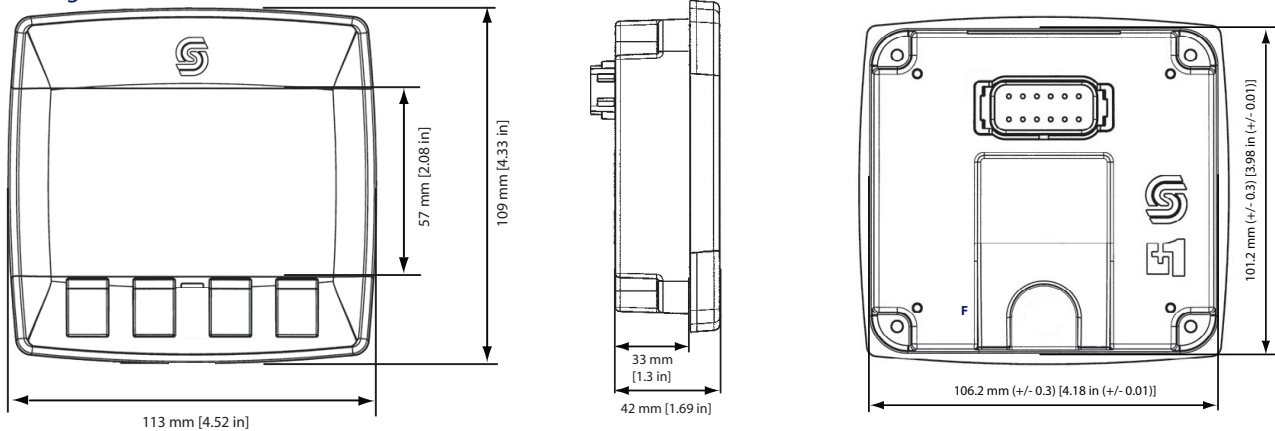
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+1™ COMPLIANT

DP200 Series Graphical Terminal

Features (Model Dependent):

* High resolution grayscale LCD display

* 4 programmable soft keys

* 2 red, 2 green software controlled LEDs

* 2 CAN 2.0B ports

* 1 fixed-range analog input

* 4 digital/analog inputs

* 2 digital/analog/frequency/current/ rheostat inputs

* 1 (0.5A) digital output

* Real time clock

* PLUS+1™ GUIDE programmable

* J1939 engine monitor software package (requires application key)

* Rugged IP 67 rating class housing

* Integrated Deutsch™ connector

* Extended temperature performance range

* CE and E marked

* Mounting hardware and panel seal gasket included

DP200 Series
Graphical Terminals

Housing Dimensions

57 mm [2.08 in]

109 mm [4.33 in]

113 mm [4.52 in]

33 mm [1.3 in]

42 mm [1.69 in]

101.2 mm (+/- 0.3) [3.98 in (+/- 0.01)]

106.2 mm (+/- 0.3) [4.18 in (+/- 0.01)]

F

DP200 Series Model Code

A Model Name

DP200	Graphical Display, IP 67 above panel

B Inputs/Outputs

00	1 CAN port, 2 DIN/AIN
01	1 CAN port, 6 DIN/AIN
04	2 CAN ports, 2 DIN/AIN

Real Time Clock/ Low Temperature Functionality

C		
00	No RTC, No LTF	
01	RTC and LTF	

D Flash Memory/Application Key

02	2MB without Application Key
03	2MB with Application Key

E Application Log

00	None
04	4 MB

F USB Port Type

00	None
01	USB Device

DP200 Series Available Models

DP200-00-00-02-00-00	10107021
DP200-00-01-03-00-00	10107380
DP200-01-01-02-00-00	10106883
DP200-01-01-03-00-00	10107381
DP200-04-01-02-00-00	10107022
DP200-04-01-03-00-00	10107382

DP200 Series Related Products Part Numbers

Deutsch Mating Connector Bag Assembly (16–20 AWG)	10102025
Deutsch Mating Connector Bag Assembly (20–24 AWG)	10100944
DP200 Mounting Hardware Replacement Kit	10107354
PLUS+1 GUIDE Single User License	10101000
DP200 Panel Seal Replacement Gasket- Black	10107631
DP200 Panel Seal Replacement Gasket- Red	10107630

DP200 Series Product Parameters

DP200 Series	
Processor	ARM 7 core, 32 bit/ 60 MHz
RAM	64KB on-chip, 512KB on board
FRAM	16 KB
Power Supply	9–63 Vdc/6.5 Watts
Connector	Deutsch DTM-12
Type	LCD with 32 grayscale levels
Resolution	160 x 240 pixels
Viewable Area	80 mm x 55 mm [3.15 x 2.16]
IP Rating	IP67
Operation Temperature	Code C00: −20 °C — +70°C [−4°F — +158°F] Code C01: −40 °C — +70°C [−40°F — +158°F]
Storage Temperature	−40 °C — +85°C [−40°F — +176°F]
Weight	250 g [0.5 lb]
Vibration/Shock	3g/ 50g
EMC/ESD	100V/m / 15kV
Digital Output (0.5A)	1

7   12

6   1
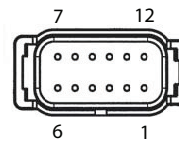
Use care when wiring mating connector. Diagram shows device pins.

DP200 Series pin assignments

		Code B 00	Code B 01	Code B 04
1	Power ground-			
2	Power supply+			
3	CAN 0+			
4	CAN 0−			
5	AIN/ CAN Shield			
6	See Code B option	NC	DIN/AIN	NC
7	See Code B option	NC	DIN/AIN	NC
8	See Code B option	NC	DIN/AIN	CAN 1+
9	See Code B option	NC	DIN/AIN	CAN1-
10	DIN/AIN/FREQ IN/ CURRENT IN			
11	DIN/AIN/FREQ IN/ CURRENT IN			
12	DOUT (0.5A)			

Comprehensive technical information: DP2XX Series Graphical Terminals Technical Information, 11023625
Sauer-Danfoss product literature is online at www.sauer-danfoss.com

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