



DP600 Series Graphical Terminals

INTRODUCTION

The Sauer-Danfoss DP600 Series of PLUS+1™ compliant Graphical Terminals provides the best performance to fit the needs of today's mobile machines.

DP600 design allows both in-cab and open usage.

Up to two external video inputs provide a good overview and ensure safe operation of your mobile equipment.

High resolution, transflexive TFT color and monochrome LCD display options fit to your budget without losing performance.



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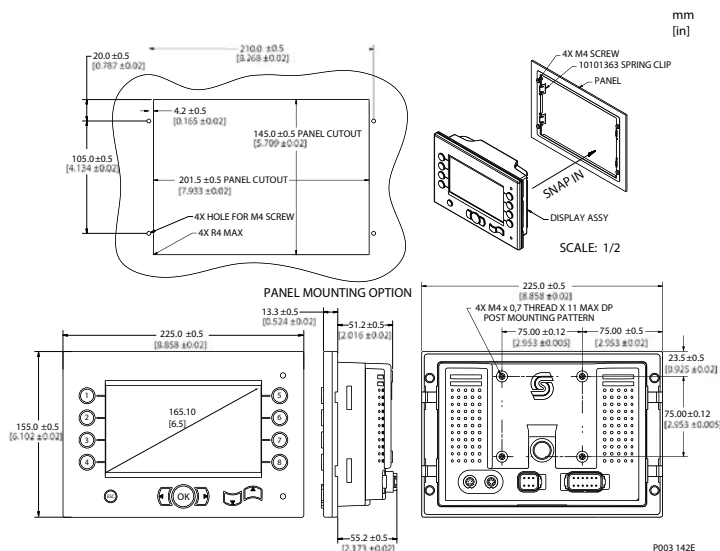
Features

- Same outside dimensions for both screen variants:
 - 256 Color advanced TFT 400 x 240 pixels, transflexive
 - Monochrome LCD 320 x 240 pixels, transflexive
- Two mounting options:
 - Flush mount in dashboard
 - Stand alone post mount according to VESA standard 75mm x 75mm [2.953 in x 2.953 in]
- Fully integrated connectors and silicone keypad provide water and dust protection from all sides
- Wide storage and operating temperature range
- GORE-TEX® membrane prevents moisture ingress and screen fogging
- Keypad with 14 buttons (8 soft-keys + 6 buttons for navigation)
- All buttons have green backlight design for low light and night use
- Ultra-bright red alarm LED
- ISOBUS virtual terminal functionality
- Protective glass integrated into keypad provides superior antiglare and contrast control under all light conditions
- Integrated light sensor for automatic backlight adjustment
- Inputs for external menu navigation button give the driver full control while driving
- Up to two external video inputs
- Digital output for external ALARM buzzer

Technical data

	Graphical Terminal	DP600	DP601	DP610	DP620
Hardware	Processor	ARM 7			
	ROM	8 MB			
	RAM	8 MB			
	FRAM	8 MB (256k available for application data storage)			
	Real Time Clock	Date and Time accuracy: 1 second/24 hours Minimum back-up time: 30 days			
	Power Supply/ Consumption	9–36 VDC/ 15W maximum			
Connector	Deutsch DTM 12-pin	•	•	•	•
	Deutsch DTW 6-pin	•	•	•	•
	Binder 7-pin (USB/RS232) Binder 5-pin (video)	• •	• •	- -	• -
Display	Resolution (dpi)	400 x 240	400 x 240	400 x 240	320 x 240
	Size/Type	6.5 inch/ TFT color	6.5 inch/ TFT color	6.5 inch/ TFT color	6 inch/ LCD monochrome
	Transflexive	•	•	•	•
Environmental	IP rating	IP67 Note: Unused connections must have sealing plugs for IP rating to be valid.			
	Operating temperature -30° to +70° C (-22° to +158° F) -20° to +70° C (-4° to +158° F)	• -	• -	• -	- •
	Storage temperature	-30° to +80° C (-22° to +176° F)			
	Weight	.95 kg (1.14 kg in packaging)			
	Vibration	5g			
	Shock	30g			
	EMC immunity	100 V/m			
	Electrostatic discharge	15 kV			
Communication	CAN 2.0B	2 Baud rates: 111 kbit, 250 kbit, 500 kbit, 1Mbit 2 pins for CAN shield (acc. to J1939) (2nd CAN port internally terminated at 120Ω)			
	ISOBUS ISO11783	-	•	-	-
	USB 2.0	•	•	•	•
	RS232	Baud rates: 1200, 2400, 9600, 19,200, 28,800, 38,400, 115,200 baud. No handshake available.			
Inputs/Outputs	Digital Inputs	3 (2 inputs designed for 90° A/B encoder signals)			
	Integrated ambient light sensor	•	•	•	•
	Integrated high brightness LED	•	•	•	•
	Video input (composite PAL)	2 Note: only one video input at a time possible	2 Note: only one video input at a time possible	-	-
	Digital output (0.5A)	1			

Installation drawing



Note: For pin configuration details, see the document *DP600 Technical Information (520L0699)*.

Ordering Information

DP600	Part Number 10100890
DP601	Part Number 10101912
DP610	Part Number 10100889
DP620	Part Number 10100888