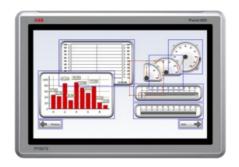


DATA SHEET

PP887S

ABB Ability™ Symphony® Plus Hardware Selector



Touchscreen panels with brilliant TFT/LED display colors and multiprotocol connectivity. The rugged range of Panel 800 comprises PP886R, PP887H, PP887H-CFC, and PP887S, easy-to-use HMI with comprehensive and integrated templates and libraries for every conceivable process you need. All rugged panels are equipped with high-resolution graphics in TFT/LED display. Most models offer wide screens, and high-resolution displays for increased efficiency and excellent operator interaction.

Features and benefits

• Easy to use

A fully deployable HMI with comprehensive and integrated templates and libraries for every conceivable process. The Panel Builder tool, with a familiar Microsoft® Windows® environment along with multiple language support results in quick, easy, and efficient engineering.

• State-of-the-art graphics

Vector-based, high-resolution graphics in TFL/LED display, with icon-based interface, navigation and control.

Robust and reliable

Panel 800 is constructed in a strong yet lightweight diecast, powder-coated aluminum housing. Front casing withstands wet, dusty, and demanding environments. Operating temperatures range between -30° C to $+70^{\circ}$ C with a maximum 95% humidity.

• Truly open platform

Built on open architecture and technologies that accompany the .NET framework, these panels are capable of multi-brand controller connectivity. A multitude of connection options are available for local communication, expansion, remote access, and more.

IP66 Sealed panel

PP887S is a fully sealed version with M12 connectors with IP66 ingress protection rating and ATEX/IECEx Zone 2 and Zone 22 (IP65) certification. The sealed touch panel has the same tolerance for harsh environments but can be mounted outdoors on a pole, outside of a cabinet.

General info		
Article number	3BSE092987R1	
Category	Rugged	
Display type	Touch	
Display size	15.4"	
Brightness	1000 cd/m²	
Display resolution, ratio	1280 x 800 pixels	
Processor	ARM9 (1 GHz)	
Main memory	2 GB	
External storage media	1 × SD card slot (or SDHC with latest image loaded)	
Dimension WxHxD (mm)	410 x 286 x 65 mm	
Power supply	24 V DC (18 to 32 VDC)	
Operating temperature	-30 °C to +70 °C	

Detailed data		
Dimming	Marine optimized dimming down to 0.5 cd/m²	
Interaction type	Resistive touch	
Realtime clock	Yes	
Ethernet (shielded RJ 45)	2 x 10/100 Base-T (4 pin M12)	
USB	2 × USB 2.0, max 500 mA	
Serial port	2 Port 8-pin M12 Serial port 1: RS 232 (RTS/CTS) Serial port 2: RS422 (RTS)/RS485 Serial port 3: RS485	

Environment and certification		
Frame material, front foil	Gray powder-coated aluminum	
Power consumption	32 W	
Protection (front/rear)	Front IP66, NEMA 4X/ 12 and UL Type 4X/ 12. Rear IP66, NEMA 4X/ 12 and UL Type 4X/ 12.	
Relative operating humidity	5 % – 95 % non-condensed	
Storage temperature	-40 °C to +80 °C	
Vibration and shock	4 G / 40 G	
CE-marking	CE, FCC, KCC	
UL	UL 61010-2-201, UL50E Type 4X, Type 12	
Marine	DNV, KR, GL, LR, ABS, CCS	
RoHS compliance	DIRECTIVE/2011/65/EU	
WEEE compliance	DIRECTIVE/2012/19/EU	
Hazardous Area ATEX	II 3 G Ex ec nC IIC T4 Gc II 3 D Ex tc IIIC T85 °C Dc	
Hazardous Area IECEx	Ex nA nC IIC T4 Gc Ex tc IIIC T85 °C Dc	
Hazardous Location US/CAN	CL I, DIV 2, Groups A-D T4	
Hazardous Area CCC	Ex ec nC IIC T4 Gc Ex tc IIIC T85 °C Dc	

Dimensions		
Weight	4.8 kg	
Dimension W×H×D (mm)	410 x 286 x 65 mm	
Cut-out dimension W×H (mm)	N/A	
Mounting depth mm. (Including clearance)	The sealed model is mounted on VESA bracket or similar and therefore the mounting depth is the same as dimension.	
Mounting	Panel Mount, VESA 100 x 100	



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