

DATA SHEET

PP887H

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 familiar Microsoft® Windows® environment along with multiple language support results in quick, easy and efficient engineering.

• State-of-the-arts 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 ranging between -30° C to $+70^{\circ}$ C with 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.

• Try your application before you use it

Nice possibility to simulate and run the application directly from the Panel Builder 800 before you use it.

General info		
Article number	3BSE092986R1	
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 73 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	
USB	2 × USB 2.0, max 500mA	
Serial port	1 xRS232, 1 x RS422/RS485, 1 x RS485	

Environment and certification		
Frame material, front foil	Gray powder-coated aluminum	
Power consumption	23 W	
Protection (front/rear)	Front IP66, NEMA 4X/12 and UL Type 4X/12. Rear IP20	
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 T82 °C Dc	
Hazardous Area IECEx	Ex nA nC IIC T4 Gc Ex tc IIIC T82 °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 T82 °C Dc	

Dimensions		
Weight	4.1 kg	
Dimension W×H×D (mm)	410 x 286 x 73 mm	
Cut-out dimension W×H (mm)	394 x 270 mm	
Mounting depth mm. (Including clearance)	66 (166) mm	
Mounting	Panel Mount	



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