

# PP887H

## ABB Ability™ System 800xA® hardware selector



Touchscreen panels with brilliant TFT/LED display colors and multi-protocol 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° 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/m <sup>2</sup>
Display resolution, ratio	1280 x 800 pixels
Processor	ARM9 (1 GHz)
Main memory	2 GB
External storage media	1 x 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/m <sup>2</sup>
Interaction type	Resistive touch
Realtime clock	Yes
Ethernet (shielded RJ 45)	2 x 10/100 Base-T
USB	2 x USB 2.0, max 500mA
Serial port	1 x RS232, 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
Hazardous	UL/cULC1D2, ATEX (Zone2, Zone22), IECEx (Zone2, Zone22)
RoHS compliance	DIRECTIVE/2011/65/EU
WEEE compliance	DIRECTIVE/2012/19/EU

## 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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