

## PP887H - CFC

# 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, high-resolution displays for increased efficiency, and excellent operator interaction.

**PP887H - CFC has a conformal coating on the printed circuit board for extra protection.**

## 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 and 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° 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.

- **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	7PAA002011R1
Category	Rugged
Display type	Touch
Display size	15.4"
Brightness	1000 cd/m <sup>2</sup>
Display resolution, ratio	1280 x 800 pixels widescreen (16:10)
Processor	ARM9 (1 GHz)
Main memory	2 GB
External storage media	1 x SD card slot (or SDHC with the 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 xRS232, 1 x RS422/RS485, 1 x RS485

## Environment and certification

Frame material, front foil	Gray powder-coated aluminum. Conformal coating on the printed circuit board.
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 WxHxD (mm)	410 x 286 x 73 mm
Cut-out dimension WxH (mm)	394 x 270 mm
Mounting depth mm. (Including clearance)	66 (166) mm
Mounting	Panel Mount

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