DATA SHEET

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/m²
Display resolution, ratio	1280 x 800 pixels widescreen (16:10)
Processor	ARM9 (1 GHz)
Main memory	2 GB
External storage media	1 × 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/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. 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 ℃ 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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