DATA SHEET

PP887S

Compact Product Suite 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 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° 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	EU RoHS, UAE RoHS, CN RoHS
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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