

# PP887S

## Freelance 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/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 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/m <sup>2</sup>  |
| Interaction type          | Resistive touch   |
| Realtime clock            | Yes   |
| Ethernet (shielded RJ 45) | 2 x 10/100 Base-T (4 pin M12)   |
| USB                       | 2 x USB 2.0, max 500 mA   |
| Serial port               | 2 Port 8-pin M12<br>Serial port 1: RS 232 (RTS/CTS)<br>Serial port 2: RS422 (RTS)/RS485<br>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  |
| Hazardous                     | UL/cULC1D2, ATEX (Zone2, Zone22), IECEx (Zone2, Zone22)                                |
| RoHS compliance               | DIRECTIVE/2011/65/EU   |
| WEEE compliance               | DIRECTIVE/2012/19/EU   |

| Dimensions                               |   |
|--|---|
| Weight                                   | 4.8 kg  |
| Dimension WxHxD (mm)                     | 410 x 286 x 65 mm   |
| Cut-out dimension WxH (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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