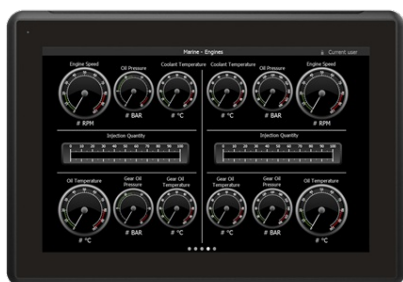


# PP886M

## ABB Ability™ System 800xA® hardware selector



Touchscreen panels with brilliant TFT/LED display colors and multi-protocol connectivity. The standard range of Panel 800 comprises of PP875M, PP875H and PP886M that are easy-to use HMI with comprehensive and integrated templates and libraries for every conceivable process you need. All black panels are equipped with high-resolution graphics in TFT/LED display. Most models offer wide screen, high resolution display 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 -10° C to + 60° C with maximum 85% 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            | 3BSE092984R1  |
| Category                  | Black   |
| Display type              | Touch   |
| Display size              | 15.4"   |
| Brightness                | 450 cd/m²   |
| Display resolution, ratio | 1280 x 800 pixels                                   |
| Processor                 | ARM9 (1 GHz)  |
| Main memory               | 1 GB  |
| External storage media    | 1 × SD card slot (or SDHC with latest image loaded) |
| Dimension WxHxD (mm)      | 410 x 286 x 61 mm                                   |
| Power supply              | 24 V DC (18 to 32 VDC)                              |
| Operating temperature     | -10 °C to +60 °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 Host 2.0, 500mA                                      |
| Serial port               | 1 × RS232, 1 × RS422/485, 1 x RS485 (only if COM 2 is RS485) |

| Environment and certification |   |
|-------------------------------|---|
| Frame material, front foil    | Black powder-coated aluminum                        |
| Power consumption             | 31.2 W  |
| Protection (front/rear)       | Front IP65, NEMA 4X/12 and UL Type 4X/12. Rear IP20 |
| Relative operating humidity   | 5 % – 85 % non-condensed                            |
| Storage temperature           | -20 °C to +70 °C                                    |
| Vibration and shock           | 1 G / 15 G  |
| CE-marking                    | CE, FCC, KCC  |
| UL                            | UL 61010-2-201                                      |
| Marine                        | DNV, KR, GL, LR, ABS, CCS                           |
| RoHS compliance               | DIRECTIVE/2011/65/EU                                |
| WEEE compliance               | DIRECTIVE/2012/19/EU                                |

| Dimensions                               |                           |
|--|---------------------------|
| Weight                                   | 3.85 kg                   |
| Dimension W×H×D (mm)                     | 410 x 286 x 61 mm         |
| Cut-out dimension W×H (mm)               | 394 x 270 mm              |
| Mounting depth mm. (Including clearance) | 53 (153) mm               |
| Mounting                                 | Panel Mount, VESA 75 x 75 |

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