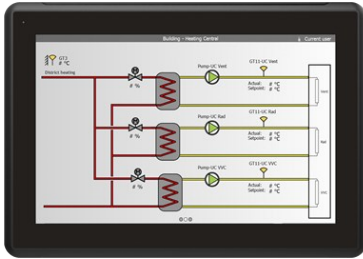


# PP875H

## ABB Ability™ System 800xA® hardware selector



Touchscreen panels with brilliant TFT/LED display colors and multi-protocol connectivity. The black 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.
- Digital output**  
 2 x DO Solid state relay, 0.5A@24VDC.

| General info              |   |
|---------------------------|---|
| Article number            | 3BSE092983R1  |
| Category                  | Black   |
| Display type              | Touch   |
| Display size              | 7"  |
| Brightness                | 1000 cd/m <sup>2</sup>                              |
| Display resolution, ratio | 800 x 480 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)      | 204 x 143 x 50 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/m <sup>2</sup>       |
| Interaction type          | Resistive touch  |
| Realtime clock            | Yes  |
| Ethernet (shielded RJ 45) | 2 x 1x10/100 Base-T  |
| USB                       | 1 x USB Host 2.0, 500mA                                      |
| Serial port               | 1 x RS232, 1 x RS422/485, 1 x RS485 (only if COM 2 is RS485) |

## Environment and certification

|                             |   |
|-----------------------------|---|
| Frame material, front foil  | Black powder-coated aluminum                        |
| Power consumption           | 21.6 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                           |
| Hazardous                   | No  |
| RoHS compliance             | DIRECTIVE/2011/65/EU                                |
| WEEE compliance             | DIRECTIVE/2012/19/EU                                |

## Dimensions

|  |                           |
|--|---------------------------|
| Weight                                   | 0.8 kg                    |
| Dimension W×H×D (mm)                     | 204 x 143 x 50 mm         |
| Cut-out dimension W×H (mm)               | 189 x 128 mm              |
| Mounting depth mm. (Including clearance) | 43 (143) mm               |
| Mounting                                 | Panel Mount, VESA 75 x 75 |

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**[solutions.abb/800xA](https://solutions.abb/800xA)**  
**[solutions.abb/controlsystems](https://solutions.abb/controlsystems)**

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