

PP875M

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.
- 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 | 3BSE092982R1 |
| Category | Black |
| Display type | Touch |
| Display size | 7" |
| Brightness | 500 cd/m ² |
| Display resolution, ratio | 800 x 480 (16:9) |
| Processor | ARM9 (1 GHz) |
| Main memory | 512 MB |
| External storage media | 1 × SD card slot (or SDHC with latest image loaded) |
| Dimension WxHxD (mm) | 204 × 143 × 50 mm |
| Power supply | 24 VDC (18-32 VDC) |
| Operating temperature | -10 °C to +60 °C |

Detailed data

| | |
|---------------------------|--|
| Dimming | Marine optimized dimming down to 0.5 cd/m ² |
| Interaction type | Resistive touch |
| Realtime clock | Yes |
| Ethernet (shielded RJ 45) | 1 x 10/100 Base-T |
| USB | 1 x USB 2.0, max 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 | 14.4 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 | 0.8 kg |
| Dimension W×H×D (mm) | 204 × 143 × 50 mm |
| Cut-out dimension W×H (mm) | 189 × 128 mm |
| Mounting depth mm. (Including clearance) | 43 (143) mm |
| Mounting | Panel Mount, VESA 75 × 75 |

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