

# PP875M

## ABB Ability™ Symphony® Plus 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 <sup>2</sup>
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 <sup>2</sup>
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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