Industrial^{IT}
Panel 800 - PP836
Version 5.1

Hardware and Installation



Industrial^{IT} enabled

ABB

Section 4 Technical Data

Parameter	PP836	PP836A
Front panel, W x H x D	285 x 177 x 6 mm	
Mounting depth	56 mm (156 mm including clearance)	
Front panel seal	IP 66	
Rear panel seal	IP 20	
Keyboard material	Membrane switch keyboard with metal domes. Overlay film of Autotex F157 * with print on reverse side. 1 million operations.	
Reverse side material	Powder-coated aluminum	
Weight	1.4 kg	
Serial port RS422/RS485	25-pin D-sub contact, chassis-mounted female with standard locking screws 4-40 UNC.	
Serial port RS232C	9-pin D-sub contact, male with standard locking screws 4-40 UNC.	
Ethernet	Shielded RJ 45	
USB	Host type A (USB 1.1), max output current 500mA Device type B (USB 1.1)	
CF-slot	Compact flash, type I and II	
Flash memory for application	12 MB (incl. fonts)	
Real time clock	±20 PPM + error because of ambient temperature and supply voltage. Total maximum error: 1 min/month at 25 °C Temperature coefficient: -0.034±0.006 ppm/°C^2	

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Real time clock battery	CR2450 (UL and cUL: Sanyo or Panasonic) Minimum lifetime: 3 years	Rechargeable battery.
Power consumption at rated voltage	Normal: 0.4 A Maximum: 0.9 A	
Display	TFT-LCD. 640 x 480 pixels, 64K color. CCFL backlight lifetime at the ambient temperature of +25 °C: >50,000 h.	TFT-LCD. 640 x 480 pixels, 64K colors. LED backlight lifetime at the ambient temperature of +25 °C: >25,000 h.
Active area of display, W x H	131.5 x 98.6 mm	
Fuse	Internal DC fuse, 3.15 AT, 5 x 20 mm	
Power supply	+24V DC (20 - 30V DC). 3-pin jack connection block. CE: The power supply must conform with the requirements according to IEC 60950 and IEC 61558-2-4. UL and cUL: The power supply must conform with the requirements for class II power supplies.	
Ambient temperature	Vertical installation: 0 ° to +50 °C Horizontal installation: 0 ° to +40 °C	
Storage temperature	-20 ° to +70 °C	
Relative humidity	5 - 85 % non-condensed	
CE approvals	Noise tested according to EN61000-6-4 emission and EN61000-6-2 immunity.	
UL, cUL approvals (when procuct or packing is marked)	UL 1604 Class I, Div 2 / UL 508 / UL 50 4x indoor use only	UL 508 / UL 50 4x indoor use only
DNV	Yes	

Parameter	PP836	PP836A
NEMA	4x indoor use only	

* See Section 5, Chemical Resistance for more information.