



Power Quality Solutions

SVG PQVar series

Series/Type:	Display touch screen unit 7"
Ordering code:	B44066F9999V230
Date:	August 2018
Version:	1

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Characteristics

- The Static Var Generator SVG PQVar series include a TFT color control / display touch screen unit 7" to configure and parametrize the SVG Module in order to provide a Human Machine Interface to the user.

Features

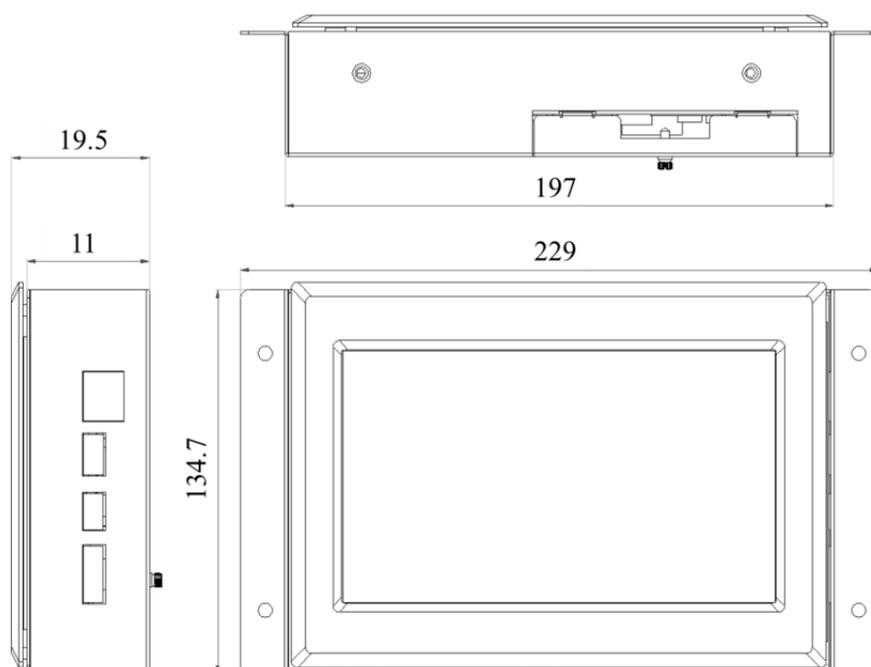
- For mounting in the panel front
- Protection class: IP20
- LED backlight
- 1080P high resolution
- USB2.0 High Speed interface with 60MB/s of transmission speed
- High Speed 1GHz CPU
- 512Mb memory
- 1GB capacity of storage
- For parameter setting, status indication, alarm setting, monitoring, event logging
- Communication: Ethernet TCP/IP
- Operating temperature: -20 ... + 70 °C
- Firmware update via USB port possible



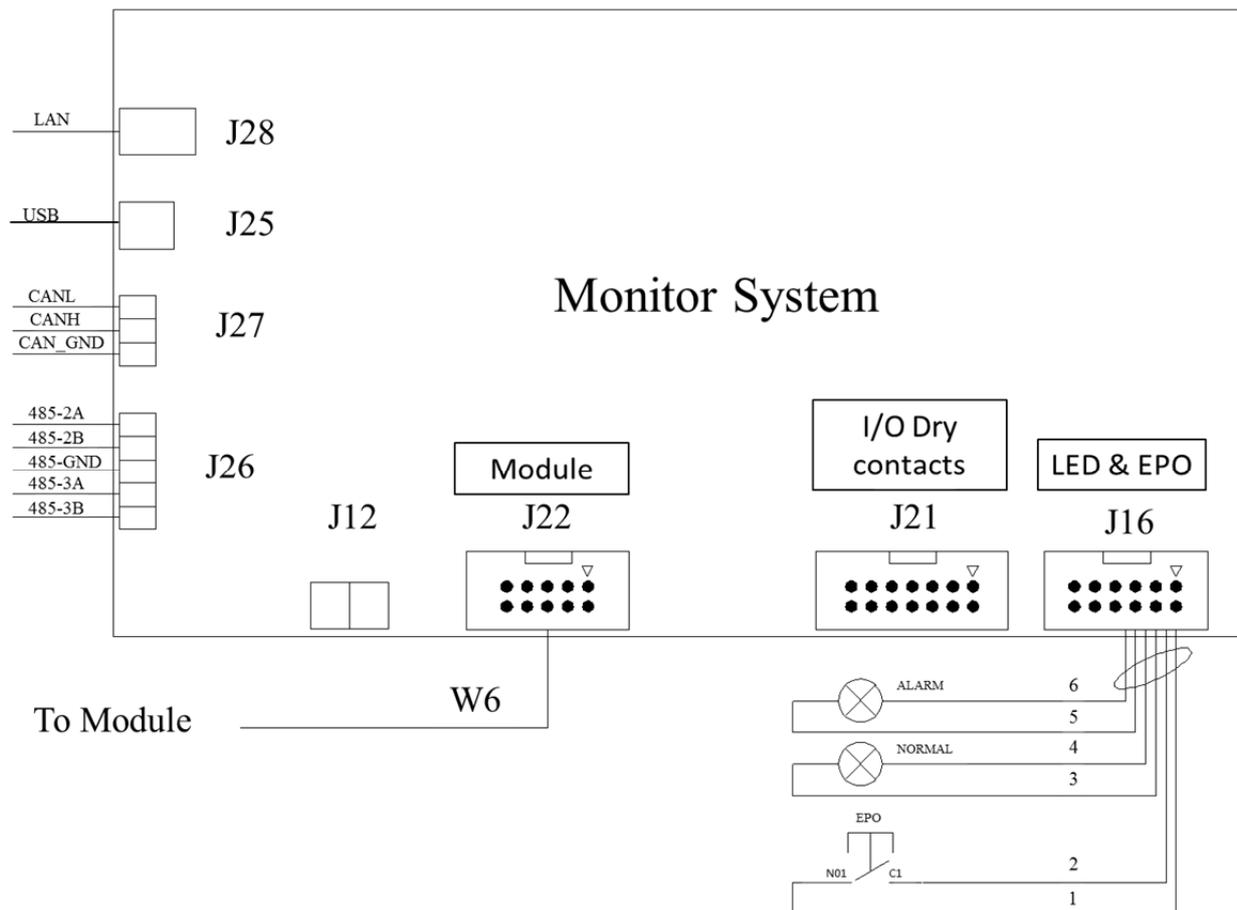
SVG PQVar TFT color control / display touch screen unit 7"

Technical data and specifications - TFT touchscreen color display

Ordering code	B44066F9999V230
Display type	7" TFT LCD
Resolution	800x400 colorful graphic display
Dimension	197x134.7x19.5 mm (w x d x h)
Weight	1 kg
Protection class	IP20
Backlight	LED
Interface	Ethernet 3xRelais output RS485 CAN USB 2.0
Communication	Modbus TCP/IP; TCP/IP
Operating temperature range class 3K3	-20° C ... +55° C full performance
Relative Humidity	up to 95% non-condensing, PCB are coated
Altitude	2000 m without derating, 4000 m max with derating
Firmware update	USB port

Dimensional drawing – Display 7" HMI LCD
Outside dimensional drawings


Connection wiring diagram



J28 Port: Ethernet communication interface: For the RJ45 interface, you can through the background software, SVG monitoring

J27 Port: CAN Protocol interface

J26 Port: RS485 communication interface: The interface is a 2-pin connector, RS485 communication is used as shown. In the picture the left is A, the right is B (Through background software, SVG monitoring)

J25 Port: USB Interface to monitor the use of the software upgrade.

J22 Port: Connecting to the module monitoring interface (including 485, EPO output, 24V power supply) by W6.

J21 Port: I/O dry contact interface port expansion board (dry contact plate is optional), 14-pin connector, Interface pins are defined as follows:

IN1	IN2	IN3	IN4	IN5	DGND	DGND
OUT1	OUT2	OUT3	OUT4	OUT5	VCC24V	VCC24V

J16 Port: Connecting to the EPO button and indicator lights. The cable named NORMAL is connected to the normal indicator light; the cable named ALARM is connected to the normal indicator light; the rest cable is connected to the EPO button.

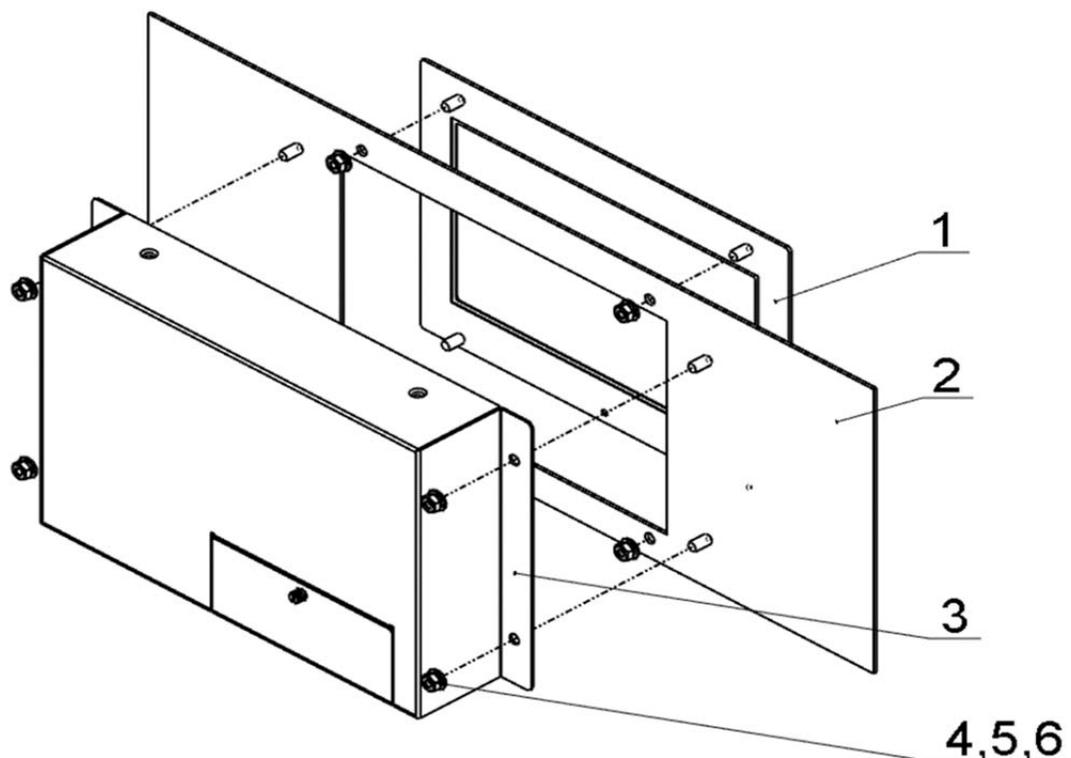
Monitor System Installation

Step 1: Taking out the monitor of the box, and separating the cover (including the monitor boards and LCD panel) from the simulative door (by removing 4 bolts).

Step 2: Separating the fastener from the simulative door (by removing 4 bolts).

Step 3: The fastener is built in the front of the door through the 4 holes and is fixed on the back of the door by nuts.

Step 4: Locking the nuts on the rivets to fix the cover (including the monitor board and LCD panel).

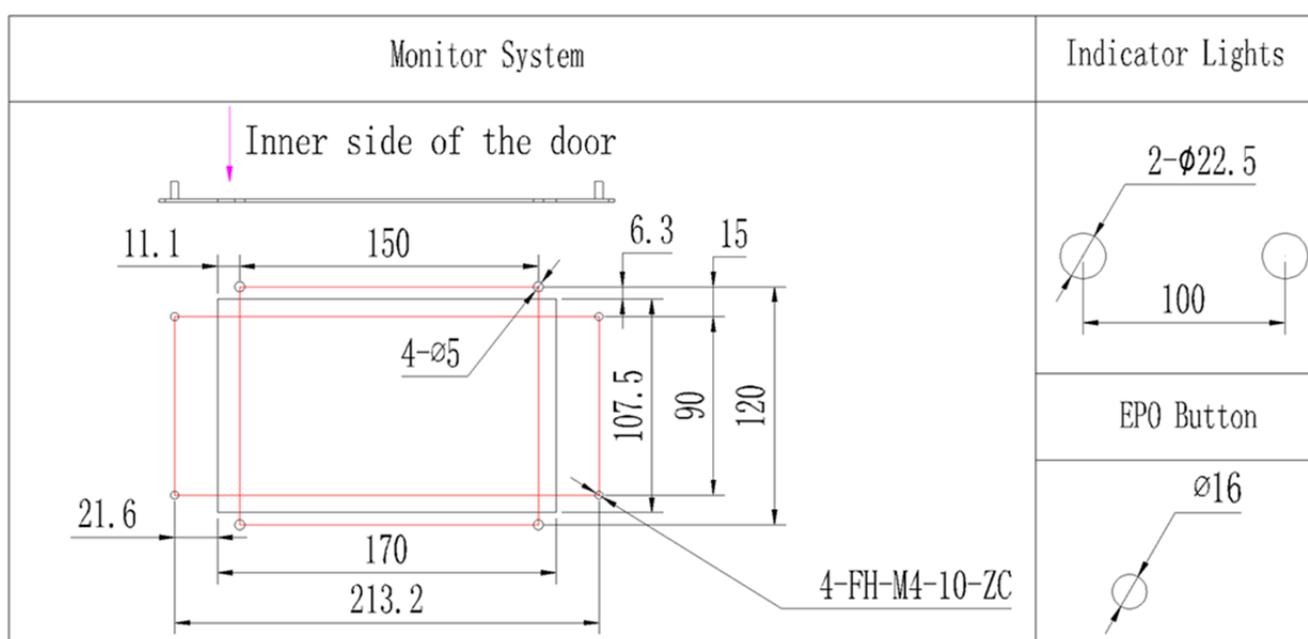


S/N	Specification	Qty.
1	Fastener	1
2	Simulative Door	1

3	Cover (including the monitor boards and LCD panel)	1
4	M4 Flat Washer	8
5	M4 Spring Washer	8
6	M4 Outer Hexagon Nut	8

Hole Dimensions

It is necessary to make some holes on the front door of the cabinet front door in order to install the monitor system. The hole dimensions are shown in the figure below.



The indicator lights and EPO button are used in the monitor system. Recommend selection is as follows.

- **Indicator lights:** Diameter=22.5
- **EPO button:** Diameter=16

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Please also carefully read the cautions, notes and warnings in the SVG PQVar operating and installation instructions manual!

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