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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EPCOS AG is a TDK Group Company.
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
Technical data and specifications - TFT touchscreen color display

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

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<tr>
<th>S/N</th>
<th>Specification</th>
<th>Qty.</th>
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<tbody>
<tr>
<td>1</td>
<td>Fastener</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>Simulative Door</td>
<td>1</td>
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</tbody>
</table>
### 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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