The module is an extension for the External Power Supply Unit Kit. It is the communication interface between the kit and the panel.

### System overview

<table>
<thead>
<tr>
<th>Labeling</th>
<th>Connection</th>
</tr>
</thead>
<tbody>
<tr>
<td>+U/0V</td>
<td>1x auxiliary power supply incoming (connection terminals for looping through)&lt;br&gt;1x auxiliary power supply outgoing (connection terminals for looping through)</td>
</tr>
<tr>
<td>a1-/b1+</td>
<td>LSN incoming</td>
</tr>
<tr>
<td>SHIELD</td>
<td>Shield wire</td>
</tr>
<tr>
<td>a2-/b2+</td>
<td>LSN outgoing</td>
</tr>
</tbody>
</table>

### Functions

The FPP-5000-TI13 LSN Communication Interface is an extension for the FPP-5000 External Power Supply Unit Kit only. It is the communication interface between the FPP-5000 and the panel, and transmits the following faults to the panel:
- Mains fault
- Battery fault
- Battery internal resistance fault
- BCM-0000-B Battery Controller Module fault
- Short 24 V outputs
- Ground fault

Additionally, with the FSP-5000-RPS programming software, the switching outputs can be programmed and the settings for the line monitoring according to EN 54-13 can be done.

The module is plugged next to the BCM-0000-B on the PRS-0002-C Panel Rail Short and is power-supplied by the panel rail via the module bus (MOB). The module's front side shows 4 LEDs, which indicate the operation and fault status.

- Extends FPP-5000 functionality
- Line monitoring of all voltage outputs according to EN 54-13
- Distinct fault detection, diagnosis and transmission to the panel
- Programmable voltage outputs
Certifications and approvals

<table>
<thead>
<tr>
<th>Region</th>
<th>Certification</th>
<th>Certification Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany</td>
<td>VdS</td>
<td>G 205050 FPP-5000</td>
</tr>
<tr>
<td>Europe</td>
<td>CE</td>
<td>FPP-5000</td>
</tr>
<tr>
<td></td>
<td>CPD</td>
<td>0786-CPR-20357 FPP-5000</td>
</tr>
</tbody>
</table>

Installation/configuration notes

- Note that for compliance with EN 54-2, the maximum of FPP-5000-TI13 per LSN loop is 10.

Parts included

<table>
<thead>
<tr>
<th>Quant.</th>
<th>Component</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Module</td>
</tr>
<tr>
<td>2</td>
<td>EOL</td>
</tr>
</tbody>
</table>

Technical specifications

- **Input voltage LSN**: 15 V DC to 33 V DC
- **Current consumption** :
  - From rail at 24 V DC: 13.2 mA
  - From LSN: 3.25 mA
- **Maximum wire gauge**: 0.2 mm² bis 1.5 mm²
- **Permissible operating temperature**: -5 °C to +50 °C
- **Permissible storage temperature**: -20 °C to +85 °C
- **Protection category (IEC 60529)**: IP 20
- **Maximum relative humidity**: 95 % (non-condensing)
- **Housing material**: ABS plastic, (UL94 V-0)
- **Housing color**: semi-gloss anthracite, RAL 7016
- **Weight**: approx. 154 g
- **Dimensions**: approx. 127 x 96 x 60 mm
- **Address setting**: 8 DIP switches

Ordering information

**FPP-5000-TI13 LSN Communication Interface for FPP-5000**

Use with External Power Supply Unit Kit as communication interface between kit and panel (FPA-5000/FPA-1200 EN54-13).

Order number **FPP-5000-TI13**