Expert PDU Energy 8185

**Features**
- Metering of energy, current and voltage by MID-compliant energy meters, one meter per phase
- Energy meters update metered values every 30 seconds
- Firmware update via Ethernet during operation
- HTTP 1.1, e-mail, DHCP, SNMPv1 (Traps), SNMPv2c (Traps), Syslog
- Free Android and iOS app allows access from anywhere
- Low internal power consumption
- Developed and manufactured in Germany

**Technical Details**
- Case for vertical rack mounting, LxHxD: 35.5 x 8 x 7 cm (length including brackets)
- Weight: ca. 2.0 kg
- Operating temperature: 0-50 °C (non-condensing environment)

**Integrated 50+ Energy Meters**
- Accuracy class B according to EN50470-3
- Class 1 according to IEC62053-21
- Operating voltage 230 VAC, 50 Hz, tolerance -20% /+15%
- Ref./metering current \( I_{ref} = 5 \text{ A}, I_{max} = 32 \text{ A} \)
- Initial-/minimum current \( I_{st} = 20 \text{ mA}, I_{min} = 0.25 \text{ A} \)
- Power consumption Active 0.4 W per phase
- Counting range 00'000.00 ... 99'999.99, 100'000.00 ... 999'999.99
- Display LC backlighted, height of digits: 5 mm
- Impulse per kWh LC display 2000 lmp./kWh

**Electrical Connections**
- CEE plug 3 x 16 A for power supply
- CEE socket 3 x 16 A for load outlet
- Schuko plug for power supply of metering electronics
- Ethernet connector RJ45 (10/100 Mbit/s)
- Mini-DIN connector for optional sensor

**Ordering Information**

<table>
<thead>
<tr>
<th>Order code</th>
<th>Product</th>
<th>Feature</th>
<th>Operating Voltage</th>
<th>Maximum Current</th>
</tr>
</thead>
<tbody>
<tr>
<td>8185</td>
<td>Expert PDU Energy 8185</td>
<td>3 MID-compliant energy meters</td>
<td>230 V</td>
<td>3 x 16 A</td>
</tr>
<tr>
<td>7001</td>
<td>Temperature Sensor 7001</td>
<td>-20°C to +80°C</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7002</td>
<td>Hybrid Sensor 7002</td>
<td>-20°C to +80°C / 0-90% humidity</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Customized Modifications*
Alternative connectors for load outlet and load input available upon request.