EMC Professional 3001 / 3011
DCF77 time server with integrated radio time receiver for industrial environments

Features
- Reception of time and date based on DCF77 signal within a 2000 km radius around Frankfurt/Main
- Stand-alone NTP time server
- Battery buffered and temperature compensated real time clock
- Signal monitor
- LC display for time, date and error value
- Ideal reception through active ferrite rod DCF77 Antenna 0220 (included in delivery)
- Switchable potential-free relay output (24 V, 0.5 A)
- Interface for optional temperature sensor (3011)
- Independent of OS (Ethernet, RS232)
- Firmware update via Ethernet during operation
- HTTP 1.1, DHCP, SNMPv1 (Traps), SNMPv2c (Traps), Syslog
- Access control via IP Access Control List
- Access control via optional HTTP password
- Low power consumption, typ. 3 W / 5 W (3001 / 3011)
- Developed and manufactured in Germany

EMC Professional 3001
Time server in solid body for table installation

EMC Professional 3011
Time server for 19 inch racks

Electrical Connections
- DC socket for external Power Supply Unit 7905, included in delivery (3001)
- Power supply IEC C14 (max. 10 A) (3011)
- Ethernet connector RJ45 (10/100 Mbit/s)
- Switchable output (PTR multiconnector, 2-fold)
- RJ11 interface for optional temperature sensor (3011)
- Serial interface RS232 (Sub-D, 9-pin)
- BNC connector for active DCF77 Antenna 0220

Technical Details
- LxHxD: 17 x 6.5 x 10.5 cm (3001)
- Weight: ca. 0.7 kg (3001)
- Dimensions: 19 inch, 1 rack unit (3011)
- LxHxD: 43.9 x 4.4 x 15.0 cm (without brackets) (3011)
- Weight: ca. 2.2 kg (3011)
- Operating temperature: 0-50 °C
- Storage temperature: -20 - 70 °C
- Relative humidity: 0 - 95 % (non-condensing environment)

<table>
<thead>
<tr>
<th>Order code</th>
<th>Product</th>
<th>Feature</th>
<th>Operating voltage</th>
</tr>
</thead>
<tbody>
<tr>
<td>3001</td>
<td>EMC Professional 3001</td>
<td>DCF77 time server in desktop body</td>
<td>External power supply unit (12 V)</td>
</tr>
<tr>
<td>3011</td>
<td>EMC Professional 3011</td>
<td>DCF77 time server in 19 inch body, switchable output, sensor interface</td>
<td>230 V</td>
</tr>
<tr>
<td>0220</td>
<td>DCF77 Antenna 0220</td>
<td>Active ferrite rod antenna with BNC connector, cable length 5 m (extendable up to 100 m), included in delivery</td>
<td></td>
</tr>
<tr>
<td>0134</td>
<td>BNC Extension Cable for active antenna</td>
<td>Cable length 10, 20, 30, 50, 100 m</td>
<td></td>
</tr>
<tr>
<td>7000</td>
<td>Temperature Sensor 7000</td>
<td>Cable sensor, RJ11 plug, -20°C to +80°C</td>
<td></td>
</tr>
<tr>
<td>7905</td>
<td>Power Supply Unit 7905</td>
<td>Power supply with plug for 2.1 mm pin, 100-240 V AC, 12 V DC, 2.5 A, cable length: 1.8 + 2.4 m, included in delivery for 3001</td>
<td></td>
</tr>
</tbody>
</table>