The fuse card MC83-4Si is used to protect modules in 19" racks and to identify possible fuse failure conditions. The fuse card has four channels. It can be used for one single 19" rack holding 21 plug-in terminals divided into four groups of five cards each.

The fuse holders are built into the front panel to allow for fuse replacement without removing the card from the rack.

An alarm message will be given when a fuse blows. This is achieved by using a relay and a npn transistor output.

A front-cover LED is assigned to each channel. An illuminated LED indicates power "ON". If a fuse is blown, the LED turns off.

- Protection of four circuits with common or separate inputs
- Relay and transistor output for fuse failure indication
- Front panel LED indications
- Current rating 4 x 5 A
- Relay with hard gold-plated contact
## Power Supplies and Monitors

### Type

**Ident-No.**
MC83-4Si/24VDC 90 894

### Fuse Circuits

<table>
<thead>
<tr>
<th>Voltage</th>
<th>19.2...28.8 VDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maximum load current</td>
<td>≤ 5 A per channel</td>
</tr>
<tr>
<td>Fuse</td>
<td>glass fuse 5 x 20</td>
</tr>
</tbody>
</table>

### Output Circuits

- **Transistor output**
  - Switching voltage: voltage in fuse circuit
  - Switching current: ≤ 30 mA
- **Relay output**
  - Number of contacts: one SPDT contact, silver-alloy + 3 µm Au
  - Switching voltage: ≤ 250 V
  - Switching current: ≤ 2 A
  - Switching capacity: ≤ 500 VA/60 W

### LED Indications

- Power "ON" green (4 x)

### Eurocard

- **Material**
  - glass-fiber reinforced epoxy resin, quality class FR4
- **Front panel**
  - plastic, 4TE = 20.32 mm individually interlocking
- **Connection**
  - connector per DIN 41612, type F, 32-pole (series z+d)
- **Operating temperature**
  - -25... +60 °C

---

<table>
<thead>
<tr>
<th>Width</th>
<th>175.5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Height</td>
<td>128.5</td>
</tr>
<tr>
<td>Depth</td>
<td>4 TE</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Width</th>
<th>20.32 mm</th>
</tr>
</thead>
</table>