30W Single Output Industrial DIN Rail Power Supply

**Mechanical Specification**

- Terminal Pin No. Assignment
  - Pin No. : Assignment
  - 1 : ACO : +V
  - 2 : AGN : -V
  - 3.3 : +V
  - 8 : +VADJ

**Block Diagram**

- DIN FILTER
- RECTIFIERS & FILTER
- POWER SWITCHING
- DETECTION CIRCUIT
- O.L.P.
- CONTROL
- O.V.P.

**Output Derating V/S Input Voltage**

**SPECIFICATION**

<table>
<thead>
<tr>
<th>MODEL</th>
<th>DC VOLTAGE</th>
<th>RATED CURRENT</th>
<th>CURRENT RANGE</th>
<th>RATED POWER</th>
<th>Voltage Adj. Range</th>
<th>Voltage Tolerance</th>
<th>Line Regulation</th>
<th>Load Regulation</th>
</tr>
</thead>
<tbody>
<tr>
<td>DR-30-5</td>
<td>30V</td>
<td>3A</td>
<td>0~3A</td>
<td>15W</td>
<td>4.75~5.55V</td>
<td>±10%</td>
<td>±1.0%</td>
<td>±1.0%</td>
</tr>
<tr>
<td>DR-30-12</td>
<td>120V</td>
<td>12A</td>
<td>0~12A</td>
<td>240W</td>
<td>120~130V</td>
<td>±10%</td>
<td>±1.0%</td>
<td>±1.0%</td>
</tr>
<tr>
<td>DR-30-15</td>
<td>150V</td>
<td>15A</td>
<td>0~15A</td>
<td>360W</td>
<td>150~165V</td>
<td>±10%</td>
<td>±1.0%</td>
<td>±1.0%</td>
</tr>
<tr>
<td>DR-30-24</td>
<td>240V</td>
<td>24A</td>
<td>0~24A</td>
<td>720W</td>
<td>240~255V</td>
<td>±10%</td>
<td>±1.0%</td>
<td>±1.0%</td>
</tr>
</tbody>
</table>

**Features**
- Universal AC input Full range
- Protection: Short-circuit / Overload / Over voltage
- Cooling by free air convection
- Can be installed on DIN rail TS-35/7.5 or 15
- Isolation class II
- LED indicator for power on
- 100% full load burn-in test

**Notes**
1. All parameters NOT specially mentioned are measured at 220VAC input, rated load and 25°C of ambient temperature.
2. Ripple & noise are measured at 30MHz of bandwidth by using a 0.1µH inductance parallel terminated with a 0.1µF & 47µF of parallel capacitor.
3. Temperature - includes set up tolerance, line regulation and load regulation.
4. The power supply is considered a component which will be included into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives.