**DIN Rail Mountable Switching Power Supply**

**Technical Data**
**Installation and Operation**

**Fig. 1**

**Fig. 2**

**Fig. 3 Screw Terminal Type**

**Fig. 4 Spring Terminal Type**

**Fig. 5**

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**Connector size range**
*AWG24 - 14
Use copper conductors only, 60/75 °C

**Connector size range**
*AWG26 - 12
- Connector can withstand torque at maximum 5 pound-inches
- Use copper conductors only, 60/75 °C
Safety notes

Read Instructions!

Before working with this unit, read these instructions carefully and completely. Make sure that you have understood all the information.

Connect system from supply network

Ensure that any installation, maintenance or modification work is performed by a qualified technician. Make sure that the system is connected to the supply network correctly.

Start operation

For proper installation and operation, please follow these guidelines:

1. Improper installation or operation may result in damage to the unit and may not meet safety standards.
2. The unit must be installed and put into service properly by qualified personnel.
3. Comply with local regulations and standards.
4. Ensure that all stranding is undertaken appropriately.

When starting the unit, make sure that the unit is connected to the power supply in compliance with VDE0110 and EN50178.

Risk of short circuit: all safety requirements must be met.

Risk of electric shock: all safety requirements must be met.

Risk of mechanical damage: all safety requirements must be met.

Risk of fire: all safety requirements must be met.

Risk of explosion: all safety requirements must be met.

Risk of damage to property: all safety requirements must be met.

Risk of damage to the environment: all safety requirements must be met.

Operation indicator

The green LED lights up while the PSU is working properly.

DC output low indicator

The red LED lights up while the output voltage is too low.

Potentiometer

Setting the output voltage.

Technical Data

All specifications are typical at nominal line, full load, 25°C. Unless otherwise stated.

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Po [W]</th>
<th>VO [V]</th>
<th>Io [mA]</th>
<th>Eff. [%]</th>
<th>Inrush Current</th>
<th>115Vac</th>
<th>230Vac</th>
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<td>DRA05-05A</td>
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<td>80%</td>
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<td>&lt; 60A</td>
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</table>

DRA05 - 05 A

General Specification

- Isolation: 3000 Vac / 4242 Vac
- Operation Amb. Temperature: -20°C to +71°C
- Storage Temperature: -25°C to +70°C
- Relative Humidity: 20% to 90% RH
- Cooling: Free air convection
- Temperature Coefficient: 0.03%/°C
- Dimension: 190x112x50.114 [mm]
- Weight: 120 to 150 g

Connection

- Data for permitted loads, cable cross-sections and stranding: see supplementary sheet "Technical Data".
- Use only commercial cables designed for the indicated voltage and current values.
- With flexible cables: make sure that all stranding is connected to the non-earthed terminal.
- Ensure proper polarity at output terminals.

Grounding

- Do not operate without PE connection! To comply with EMC and safety standards (CE mark, approvals), the unit must be operated if the PE terminal is connected to the non-earthed conductor.
- Secondary side is not earthed; if necessary, the PE or terminal can be earthed optionally.

Internal fuse

The internal input fuse serves to protect the unit and must not be replaced by the user. In case of an internal defect, the unit must be returned to the manufacturer for safety reasons.

Removal

Before removal: Switch mains power off and disconnect your system from the supply network. See Fig. 4 and push the slider downwards (unlock). Gently lift lower front edge of the unit (tipping) and remove.