

# NC631001

## Power supplies • Switching power supply units 400V AC

DC power supply, 3-phase, 125x114x63mm, 24-28V, 10A, 340-550V AC, -30-70°C, Screw connection, IP20, Aluminum, Stabilized, Output voltage, pulsed



Pulsed power supplies are used to supply electrical systems or system parts with a stabilized DC voltage. Due to the lower copper losses, pulsed power supplies in the lower power range are considerably more efficient than power transformers. Furthermore, they are more compact and are lighter weight than conventional, linear regulated power supplies, which contain a heavy transformer with iron core and cause additional losses in the linear regulator.

### Electrical features

|                               |                                       |
|-------------------------------|---------------------------------------|
| Display                       | LED display                           |
| Type of electrical connection | Clamped terminal connection           |
| Output voltage                | 24 - 28 V                             |
| Operating frequency           | 47 - 63 Hz                            |
| Setting procedure             | Potentiometer                         |
| Power                         | 240 W                                 |
| Max. input current            | 0.69 A                                |
| Residual ripple               | 1 %                                   |
| Ampacity                      | 10 A                                  |
| Overload protection           | 100 ... 130% of the power consumption |
| Operating voltage (AC 50Hz)   | 340 - 550 V                           |
| Operating voltage (AC 60Hz)   | 340 - 550 V                           |
| Output functions              | Switching point                       |
| Type of voltage stabilization | Clocked                               |

### Mechanical features

|                           |              |
|---------------------------|--------------|
| Width                     | 63 mm        |
| Weight                    | 1300 g       |
| Height                    | 125.2 mm     |
| Storage temperature       | -40 - 85 °C  |
| Length                    | 113.5 mm     |
| Mounting method           | Top hat rail |
| Degree of protection (IP) | IP20         |
| Housing material          | Aluminum     |
| Ambient temperature       | -30 - 70 °C  |

**Other features**

|  |           |
|--|-----------|
| Relative air humidity (non-condensing) | 20 - 95 % |
| Stabilized                             | Yes       |

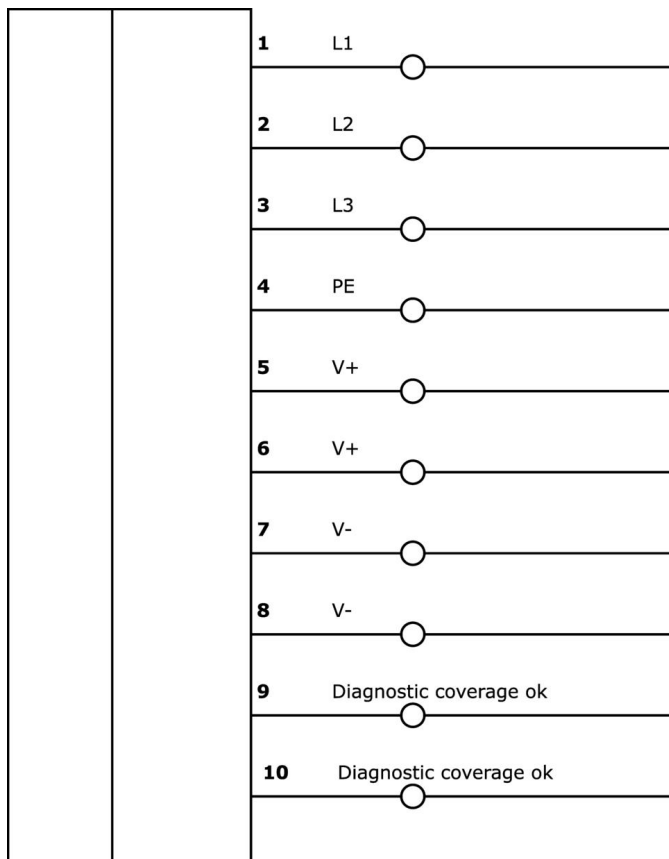
**Classification**

|        |                          |
|--------|--------------------------|
| ETIM 8 | EC002540 DC power supply |
|--------|--------------------------|

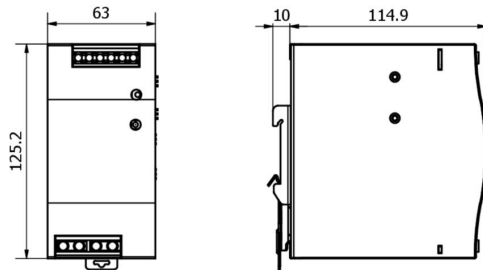
**More**

|                       |                        |
|-----------------------|------------------------|
| IPF Product Group     | 400 power supply units |
| packaging dimensions  | 153 x 157 x 92 mm      |
| gross weight          | 1010 g                 |
| Customs tariff number | 85044083               |
| WEEE number           | 40951076               |
| POP-compliant         | Yes                    |
| Reach-compliant       | Yes                    |
| RoHS-compliant        | Yes                    |

**Connection**



---

**Dimensional drawing****Installation**

Mounting / installation may only be carried out by a qualified electrician!

**Disposal**

WEEE number according to § 6 para. 3  
ElektroG: 40951076

---

**Safety warnings**

- / Before initial operation, please make sure to follow all safety instructions that may be provided in the product information.
- / Never use these devices in applications where the safety of a person depends on their functionality.