

# Power supply unit - TRIO-PS/3AC/24DC/ 5 - 2866462

## Technical data

### Output data

|                              |      |
|------------------------------|------|
| Power loss nominal load max. | 15 W |
|------------------------------|------|

### General

|                                 |   |
|---------------------------------|---|
| Net weight                      | 0.6 kg  |
| Operating voltage display       | Green LED   |
| Efficiency                      | 89 % (at 400 V AC and nominal values)               |
| Insulation voltage input/output | 4 kV AC (type test)<br>2 kV AC (routine test)       |
| Protection class                | I (with PE connection)                              |
| MTBF (IEC 61709, SN 29500)      | > 1474000 h   |
| Mounting position               | horizontal DIN rail NS 35, EN 60715                 |
| Assembly instructions           | Can be aligned: Horizontally 0 mm, vertically 50 mm |

### Connection data, input

|                                       |                     |
|---------------------------------------|---------------------|
| Connection method                     | Screw connection    |
| Conductor cross section solid min.    | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.    | 2.5 mm <sup>2</sup> |
| Conductor cross section flexible min. | 0.2 mm <sup>2</sup> |
| Conductor cross section flexible max. | 2.5 mm <sup>2</sup> |
| Conductor cross section AWG min.      | 24                  |
| Conductor cross section AWG max.      | 14                  |
| Stripping length                      | 9 mm                |
| Screw thread                          | M2,5                |

### Connection data, output

|                                       |                     |
|---------------------------------------|---------------------|
| Connection method                     | Screw connection    |
| Conductor cross section solid min.    | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.    | 2.5 mm <sup>2</sup> |
| Conductor cross section flexible min. | 0.2 mm <sup>2</sup> |
| Conductor cross section flexible max. | 2.5 mm <sup>2</sup> |
| Conductor cross section AWG min.      | 16                  |
| Conductor cross section AWG max.      | 12                  |
| Stripping length                      | 9 mm                |
| Screw thread                          | M2,5                |

### Signaling

|                        |  |
|------------------------|--|
| Status display         | "DC OK" LED green                        |
| Note on status display | U <sub>OUT</sub> > 21.5 V: LED lights up |

### Standards and Regulations

|                               |   |
|-------------------------------|---|
| Electromagnetic compatibility | Conformance with EMC Directive 2014/30/EU         |
| Shock                         | 15g in all directions in acc. with IEC 60068-2-27 |
| Noise immunity                | EN 61000-6-2:2005                                 |

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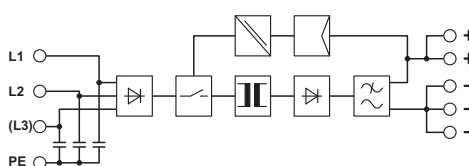
## Technical data

### Standards and Regulations

|  |   |
|--|---|
| Connection in acc. with standard   | CUL   |
| Standards/regulations  | EN 61000-4-2  |
|  | EN 61000-4-3  |
|  | EN 61000-4-4  |
|  | EN 61000-4-5  |
|  | EN 61000-4-6  |
|  | EN 61000-4-11   |
| Standard - Electrical safety   | EN 60950-1/VDE 0805 (SELV)                              |
| Standard – Electronic equipment for use in electrical power installations and their assembly into electrical power installations | EN 50178/VDE 0160 (PELV)                                |
| Standard – Safety extra-low voltage  | EN 60950-1 (SELV)                                       |
|  | EN 60204 (PELV)   |
| Standard - Safe isolation  | DIN VDE 0100-410  |
| Standard – Protection against shock currents, basic requirements for protective separation in electrical equipment               | EN 50178  |
| Standard – Limitation of mains harmonic currents   | EN 61000-3-2  |
| UL approvals   | UL/C-UL listed UL 508                                   |
|  | UL/C-UL Recognized UL 60950                             |
| Vibration (operation)  | < 15 Hz, amplitude ±2.5 mm (according to IEC 60068-2-6) |
|  | 15 Hz ... 150 Hz, 2.3g, 90 min.                         |
| Low Voltage Directive  | Conformance with LV directive 2006/95/EC                |

## Drawings

Block diagram



## Classifications

eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27040702 |
| eCl@ss 4.1 | 27040702 |
| eCl@ss 5.0 | 27049002 |
| eCl@ss 5.1 | 27049002 |
| eCl@ss 6.0 | 27049002 |
| eCl@ss 7.0 | 27049002 |
| eCl@ss 8.0 | 27049002 |