

# Power supply unit - STEP-PS/ 1AC/24DC/2.5 - 2868651

## Technical data

### General

|                       |  |
|-----------------------|--|
|                       | > 1061000 h (40°C)                             |
| Mounting position     | horizontal DIN rail NS 35, EN 60715            |
| Assembly instructions | Alignable: 0 mm horizontally, 30 mm vertically |

### 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.      | 12                  |
| Stripping length                      | 6.5 mm              |
| Screw thread                          | M3                  |

### 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.      | 24                  |
| Conductor cross section AWG max.      | 12                  |
| Stripping length                      | 6.5 mm              |
| Screw thread                          | M3                  |

### Standards and Regulations

|  |  |
|--|--|
| Electromagnetic compatibility  | Conformance with EMC Directive 2004/108/EC         |
| Shock  | 30g in each direction, according to IEC 60068-2-27 |
| Noise immunity   | EN 61000-6-2:2005                                  |
| Connection in acc. with standard   | CUL  |
| Standards/regulations  | EN 61000-4-3                                       |
|  | EN 61000-4-4                                       |
|  | EN 61000-4-6                                       |
| Standard – Electrical equipment of machines  | EN 60204-1   |
| Standard - Electrical safety   | IEC 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  | IEC 60950-1 (SELV) and EN 60204-1 (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                                       |

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### Standards and Regulations

|   |  |
|---|--|
| Shipbuilding approval                                 | Germanischer Lloyd (EMC 1), ABS, LR, RINA, NK, DNV, BV                           |
| UL approvals  | UL/C-UL listed UL 508  |
|   | UL/C-UL Recognized UL 60950  |
|   | NEC Class 2 as per UL 1310   |
|   | UL ANSI/ISA-12.12.01 Class I, Division 2, Groups A, B, C, D (Hazardous Location) |
| Vibration (operation)                                 | < 15 Hz, amplitude ±2.5 mm (according to IEC 60068-2-6)                          |
| Low Voltage Directive                                 | Conformance with LV directive 2006/95/EC   |
| Information technology equipment - safety (CB scheme) | CB Scheme  |
| Rail applications                                     | EN 50121-4   |

## Classifications

### eCl@ss

|            |          |
|------------|----------|
| eCl@ss 4.0 | 27040702 |
| eCl@ss 4.1 | 27040702 |
| eCl@ss 5.0 | 27242213 |
| eCl@ss 5.1 | 27242213 |
| eCl@ss 6.0 | 27049002 |
| eCl@ss 7.0 | 27049002 |
| eCl@ss 8.0 | 27049002 |
| eCl@ss 9.0 | 27040701 |

### ETIM

|          |          |
|----------|----------|
| ETIM 2.0 | EC001039 |
| ETIM 3.0 | EC001039 |
| ETIM 4.0 | EC002540 |
| ETIM 5.0 | EC002540 |

### UNSPSC

|               |          |
|---------------|----------|
| UNSPSC 6.01   | 30211502 |
| UNSPSC 7.0901 | 39121004 |
| UNSPSC 11     | 39121004 |
| UNSPSC 12.01  | 39121004 |
| UNSPSC 13.2   | 39121004 |

## Approvals

### Approvals

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