




Product: [RPS 30](#) 

24 V DC DIN rail power supply unit

Product Description

24 V DC DIN rail power supply unit

Technical Specifications

Product description

| | |
|--------------|------------------------------------|
| Type: | RPS 30 |
| Description: | 24 V DC DIN rail power supply unit |
| Part Number: | 943 662-003 |

More Interfaces

| | |
|-----------------|---------------------------|
| Voltage input: | 1 x terminal block, 3-pin |
| Voltage output: | 1 x terminal block, 5-pin |

Power requirements

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|-----------------------|---|
| Current consumption: | max. 0,35 A at 296 V AC |
| Input voltage: | 100 to 240 V AC; 47 to 63 Hz or 85 to 375 V DC |
| Operating Voltage: | 230 V |
| Output current: | 1.3 A at 100 - 240 V AC |
| Redundancy functions: | Power supply units can be connected in parallel |
| Activation Current: | 36 A at 240 V AC and cold start |

Power Output

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|-----------------|------------------------|
| Output voltage: | 24 V DC (-0,5%, +0,5%) |
|-----------------|------------------------|

Software

| | |
|--------------|--------------------|
| Diagnostics: | LED (power, DC ON) |
|--------------|--------------------|

Ambient conditions

| | |
|-------------------------------------|---------------------|
| Operating temperature: | -10+70 °C |
| Note: | from 60 °C derating |
| Storage/transport temperature: | -40+85 °C |
| Relative humidity (non-condensing): | 5-95 % |

Mechanical construction

| | |
|---------------------|-----------------------|
| Dimensions (WxHxD): | 45 mm x 75 mm x 91 mm |
| Weight: | 230 g |
| Mounting: | DIN Rail |
| Protection class: | IP20 |

Mechanical stability

| | |
|--------------------------|---------------------------------|
| IEC 60068-2-6 vibration: | Operating: 2 ... 500Hz 0,5m²/s³ |
| IEC 60068-2-27 shock: | 10 g, 11 ms duration |

EMC interference immunity

| | |
|---|--|
| EN 61000-4-2 electrostatic discharge (ESD): | ± 4 kV contact discharge; ± 8 kV air discharge |
| EN 61000-4-3 electromagnetic field: | 10 V/m (80 MHz ... 2700 MHz) |
| EN 61000-4-4 fast transients (burst): | 2 kV power line |
| EN 61000-4-5 surge voltage: | power lines: 2 kV (line/earth), 1 kV (line/line) |
| EN 61000-4-6 Conducted Immunity: | 10 V (150 kHz .. 80 MHz) |

EMC emitted immunity

| | |
|-----------|------------------|
| EN 55032: | EN 55032 Class A |
|-----------|------------------|

Approvals

| | |
|---|---------------------------------------|
| Basis Standard: | CE |
| Safety of industrial control equipment: | cUL 60950-1, cUL 508 |
| Safety of information technology equipment: | cUL 60950-1 |
| Hazardous locations: | ISA 12.12.01 Class 1 Div. 2 (pending) |
| Shipbuilding: | Germanischer Lloyd |

Scope of delivery and accessories

| | |
|--------------------|---|
| Scope of delivery: | Rail power supply, Description and operating manual |
|--------------------|---|

Variants

| Item # | Type |
|-----------|--------|
| 943662003 | RPS 30 |

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|----------------------|---|
| Update and Revision: | Revision Number: 0.54 Revision Date: 08-07-2020 |
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