




**Product:** [RPS 120 EEC \(CC\)](#)   
24 V DC DIN rail power supply unit

**Product Description**

24 V DC DIN rail power supply unit

**Technical Specifications**

**Product description**

|              |                                    |
|--------------|------------------------------------|
| Type:        | RPS 120 EEC (CC)                   |
| Description: | 24 V DC DIN rail power supply unit |
| Part Number: | 943 662-121                        |

**More Interfaces**

|                 |  |
|-----------------|--|
| Voltage input:  | 1 x Bi-stable, quick-connect spring clamp terminals, 3-pin |
| Voltage output: | 1 x Bi-stable, quick-connect spring clamp terminals, 6-pin |

**Power requirements**

|                       |  |
|-----------------------|--|
| Current consumption:  | max. 1,4-0,65 A at 100-240 V AC max. 1,2 - 0,45 A bei 120 - 300 V DC |
| Input voltage:        | 100-240 V AC (-15/+10%); 50-60Hz or 110 to 300 V DC (+/-20%)         |
| Operating Voltage:    | 230 V  |
| Output current:       | 5-4.5 A continuous; min 7.5-6.7 A for typ. 4 sec                     |
| Redundancy functions: | Power supply units can be connected in parallel                      |
| Activation Current:   | 15 A at 100 and 230 V AC   |

**Power Output**

|                 |   |
|-----------------|---|
| Output voltage: | 24-28 V DC (typ. 24,1 V); externally adjustable |
|-----------------|---|

**Software**

|              |                       |
|--------------|-----------------------|
| Diagnostics: | LED (DC OK, Overload) |
|--------------|-----------------------|

**Ambient conditions**

|                                     |   |
|-------------------------------------|---|
| Operating temperature:              | -25-+70 °C  |
| Note:                               | inclusive Conformal Coating (from 60 °C Derating) |
| Storage/transport temperature:      | -40-+85 °C  |
| Relative humidity (non-condensing): | 5-95 %  |

**Mechanical construction**

|                     |                         |
|---------------------|-------------------------|
| Dimensions (WxHxD): | 40 mm x 124 mm x 117 mm |
| Weight:             | 620 g                   |
| Mounting:           | DIN Rail                |
| Protection class:   | IP20                    |

**Mechanical stability**

|                          |  |
|--------------------------|--|
| IEC 60068-2-6 vibration: | Operating: 2 ... 500Hz 0,5m <sup>2</sup> /s <sup>3</sup> |
| 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             |
|-----------|------------------|
| 943662121 | RPS 120 EEC (CC) |

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