



**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: | 943662121                          |

### 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 0,5m²/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 |
|--------------------|-----------------------------------------------------|

Further Instructions

|                        |                                                                                                                 |
|------------------------|-----------------------------------------------------------------------------------------------------------------|
| Product Documentation: | <a href="https://www.doc.hirschmann.com">https://www.doc.hirschmann.com</a>                                     |
| Certificates:          | <a href="https://www.doc.hirschmann.com/certificates.html">https://www.doc.hirschmann.com/certificates.html</a> |

Variants

| Item #               | Type                                            |
|----------------------|-------------------------------------------------|
| 943662121            | RPS 120 EEC (CC)                                |
| Update and Revision: | Revision Number: 0.66 Revision Date: 05-18-2021 |

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