




**Product:** [RPS 80 EEC](#)   
24 V DC DIN rail power supply unit

### Product Description

24 V DC DIN rail power supply unit

### Technical Specifications

#### Product description

Type:	RPS 80 EEC
Description:	24 V DC DIN rail power supply unit
Part Number:	943 662-080

#### 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, 4-pin

#### Power requirements

Current consumption:	max. 1.8-1.0 A at 100-240 V AC; max. 0.85 - 0.3 A at 110 - 300 V DC
Input voltage:	100-240 V AC (+/-15%); 50-60Hz or; 110 to 300 V DC (-20/+25%)
Operating Voltage:	230 V
Output current:	3.4-3.0 A continuous; min 5.0-4.5 A for typ. 4 sec
Redundancy functions:	Power supply units can be connected in parallel
Activation Current:	13 A at 230 V AC

#### Power Output

Output voltage:	24 - 28 V DC (typ. 24.1 V) external adjustable
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#### Software

Diagnostics:	LED (DC OK, Overload)
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#### Ambient conditions

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

#### Mechanical construction

Dimensions (WxHxD):	32 mm x 124 mm x 102 mm
Weight:	440 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
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## 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
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## Variants

Item #	Type
943662080	RPS 80 EEC

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