



Figure similar

AS-i Power 3 A 24 V DC AS-Interface power supply unit, IP20 IN: 24 V DC OUT: AS-i, 3 A (30 V DC), IP20 with integrated ground fault detection, with integrated overload detection with AS-i data decoupling

General technical data		
Type of device		AS-Interface power supply unit IP20
version		single output
Additional function		integrated ground-fault detection, remote reset and remote indication
input voltage at DC	V	24
Inputs		
input voltage at DC	V	20 ... 29
input		<div><div>• Mains buffering time at I_a rated min</div><div>• input voltage built-in</div></div>
Connections input		spring-loaded terminal connection input (0.2 ... 2.5 mm ²)/diagnosis (0.14 ... 1.5 mm ²)
Outputs		
output		<div><div>• DC-voltage controlled floating according to AS-Interface specification</div><div>• voltage rated value U_a rated DC</div><div>• tolerance total DC</div><div>• rated current I_a rated</div><div>• residual ripple peak-to-peak (0-10 kHz, AS-i+/AS-i-) max</div><div>• spikes peak-to-peak (10-500 kHz, AS-i+/AS-i-) max</div></div>
	V	yes 30 V 29.5 ... 31.6
	mV	3 A 300
	mV	50
Connections Output		spring-loaded terminal connection output (0.2 ... 2.5 mm ²)/diagnosis (0.14 ... 1.5 mm ²)
Efficiency/ heat loss		
Efficiency at U _a rated, I _a rated	%	84
power loss [W] maximum	W	17.8
Protective and monitoring functions		
Output overvoltage protection		yes (< 35V)
Current limitation from min.		3.5 A
Short-circuit protection		yes
Safety related data		
protection class (EN 60 950/IEC 950)		III
Electrical isolation primary/secondary		ES1 according EN 62368-1 (for products until end of 2020: SELV according to EN 60 950 and EN 50 178)
protection class IP		IP20
Electromagnetic compatibility		
electromagnetic compatibility (EMC)		<div><div>• interference immunity</div><div>• emitted interference</div></div>
		EN 61 000-6-2, EN 61 000-4-2/-3/-4/-5/-11 class B according to EN 55 022, IEC 61 000-6-3

Ambient conditions		
ambient temperature		
	• during operation	°C -10 ... +70
	• during storage	°C -25 ... +80
humidity rating		climatic class DIN 50010, relative humidity max. 100% without condensation
fastening method		fixing on standard mounting rail DIN EN 59 022-35 x 7.5 mm snap-on
width	mm	50
height	mm	125
depth	mm	125

Environmental footprint		
Environmental Product Declaration (EPD)		Yes
global warming potential [CO2 eq] total	kg	785
global warming potential [CO2 eq] during manufacturing	kg	20.7
global warming potential [CO2 eq] during sales	kg	0.127
global warming potential [CO2 eq] during operation	kg	763
global warming potential [CO2 eq] after end of life	kg	0.565

Certificates/ approvals		
General Product Approval		EMV



EMV	Maritime application	other	Environment
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[KC](#)



[Confirmation](#)

[Miscellaneous](#)



Environment	Industrial Communication
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[Environmental Confirmations](#)



Further information

Information on the packaging

<https://support.industry.siemens.com/cs/ww/en/view/109813875>

Information for data generation and storage

<https://support.industry.siemens.com/cs/ww/en/view/109995012>

Information- and Downloadcenter (Catalogs, Brochures,...)

<https://www.siemens.com/ic10>

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RX9501-1BA00>

Cax online generator

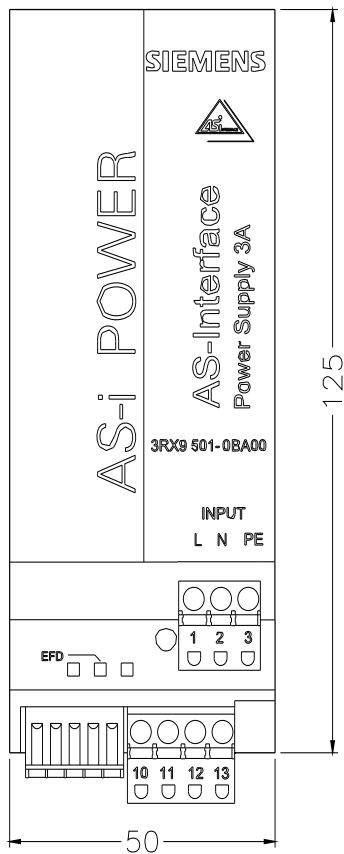
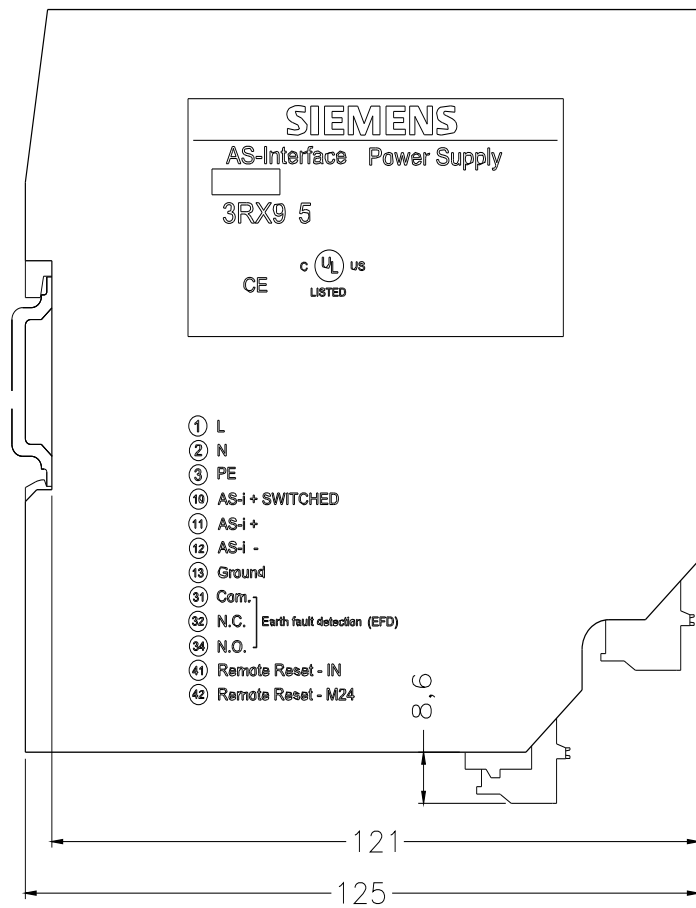
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RX9501-1BA00>

Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RX9501-1BA00>

Image database (product images, 2D dimension drawings, 3D models, device circuit diagrams, EPLAN macros, ...)

http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RX9501-1BA00&lang=en



last modified:

5/1/2025