



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		10 ms
<ul style="list-style-type: none"> <li>Mains buffering time at I<sub>a</sub> rated min</li> <li>input voltage built-in</li> </ul>		T 8 (not accessible)
Connections input		spring-loaded terminal connection input (0.2 ... 2.5 mm <sup>2</sup> )/ diagnosis (0.14 ... 1.5 mm <sup>2</sup> )
Outputs		
output		yes
<ul style="list-style-type: none"> <li>DC-voltage controlled floating according to AS-Interface specification</li> <li>voltage rated value U<sub>a</sub> rated DC</li> <li>tolerance total DC</li> <li>rated current I<sub>a</sub> rated</li> <li>residual ripple peak-to-peak ( 0-10 kHz, AS-i+/AS-i- ) max</li> <li>spikes peak-to-peak ( 10-500 kHz, AS-i+/AS-i- ) max</li> </ul>	V	30 V 29.5 ... 31.6
	mV	3 A
	mV	300
	mV	50
Connections Output		spring-loaded terminal connection output (0.2 ... 2.5 mm <sup>2</sup> )/ diagnosis (0.14 ... 1.5 mm <sup>2</sup> )
Efficiency/ heat loss		
Efficiency at U <sub>a</sub> rated, I <sub>a</sub> 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)		EN 61 000-6-2, EN 61 000-4-2/-3/-4/-5/-11
<ul style="list-style-type: none"> <li>interference immunity</li> <li>emitted interference</li> </ul>		class B according to EN 55 022, IEC 61 000-6-3

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



### Further information

#### Information on the packaging

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

#### 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

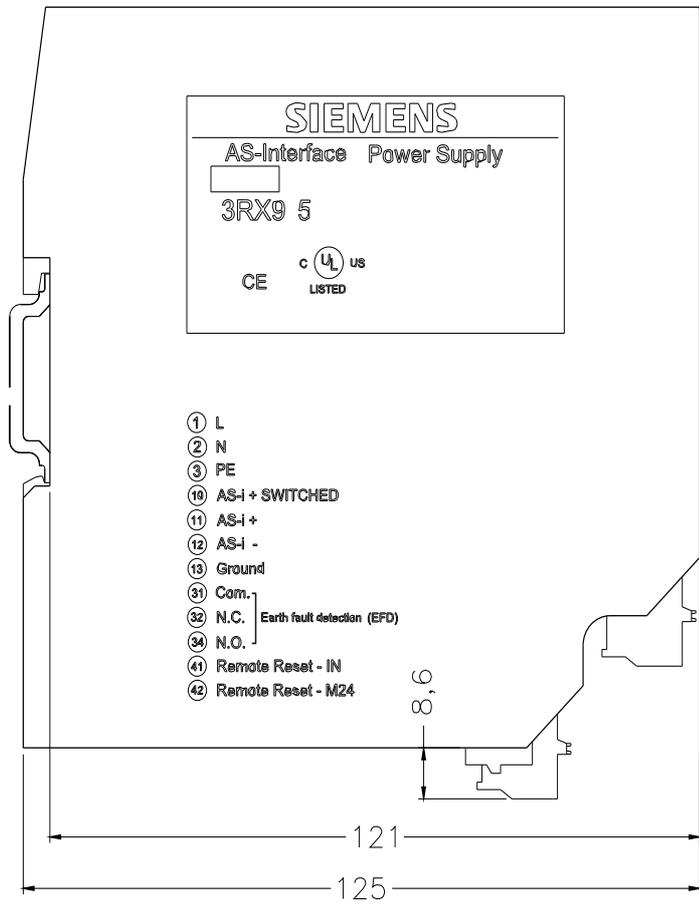
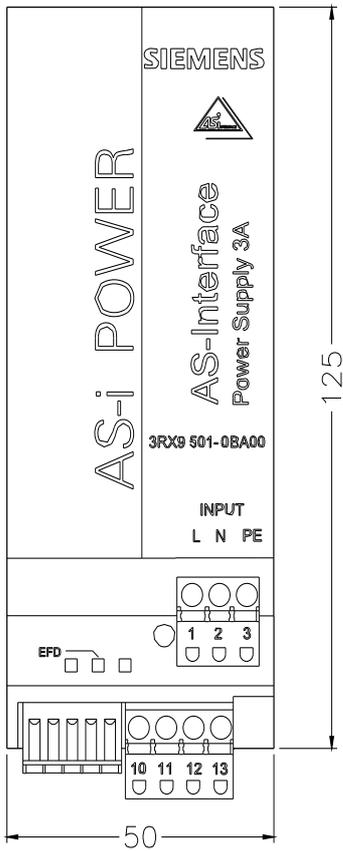
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RX9501-1BA00>

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



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