



AS-i Power 8 A 120 V / 230-500 V AC AS-Interface power supply unit, IP20 IN: 120 V / 230-500 V AC OUT: AS-i, 8 A (30 V DC) 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 nominal value AC		
• range 1	V	120
• range 2	V	230
Inputs		
input recommended circuit breaker (IEC 898) in the main supply line		10 A, characteristic C
input voltage range		
• voltage range 1 AC	V	85 ... 132
• voltage range 2 AC	V	176 ... 550
input		
• Mains buffering time at I <sub>a</sub> rated min		20 ms
• line frequency		50/60 Hz
• Mains frequency range	Hz	47 ... 63
• range changeover using		Changeover switch on device
• input voltage built-in		T 6.3 (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		
• DC-voltage controlled floating according to AS-Interface specification		yes
• voltage rated value U <sub>a</sub> rated DC		30 V
• tolerance total DC	V	29.5 ... 31.6
• rated current I <sub>a</sub> rated		8 A
• residual ripple peak-to-peak ( 0-10 kHz, AS-i+/AS-i- ) max	mV	300
• spikes peak-to-peak ( 10-500 kHz, AS-i+/AS-i- ) max	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	%	87
power loss [W] maximum	W	32
Protective and monitoring functions		
Output overvoltage protection		yes (< 35V)
Current limitation from min.		8.5 A
Short-circuit protection		yes
Safety related data		

protection class ( EN 60 950/IEC 950 )		I
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
<b>Electromagnetic compatibility</b>		
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
<b>Ambient conditions</b>		
ambient temperature		
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>	°C	-10 ... +70
	°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	120
height	mm	125
depth	mm	125

**Certificates/ approvals**

General Product Approval	EMV
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[Confirmation](#)



EMV	Marine / Shipping	other
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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- 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=3RX9503-0BA00>

Cax online generator

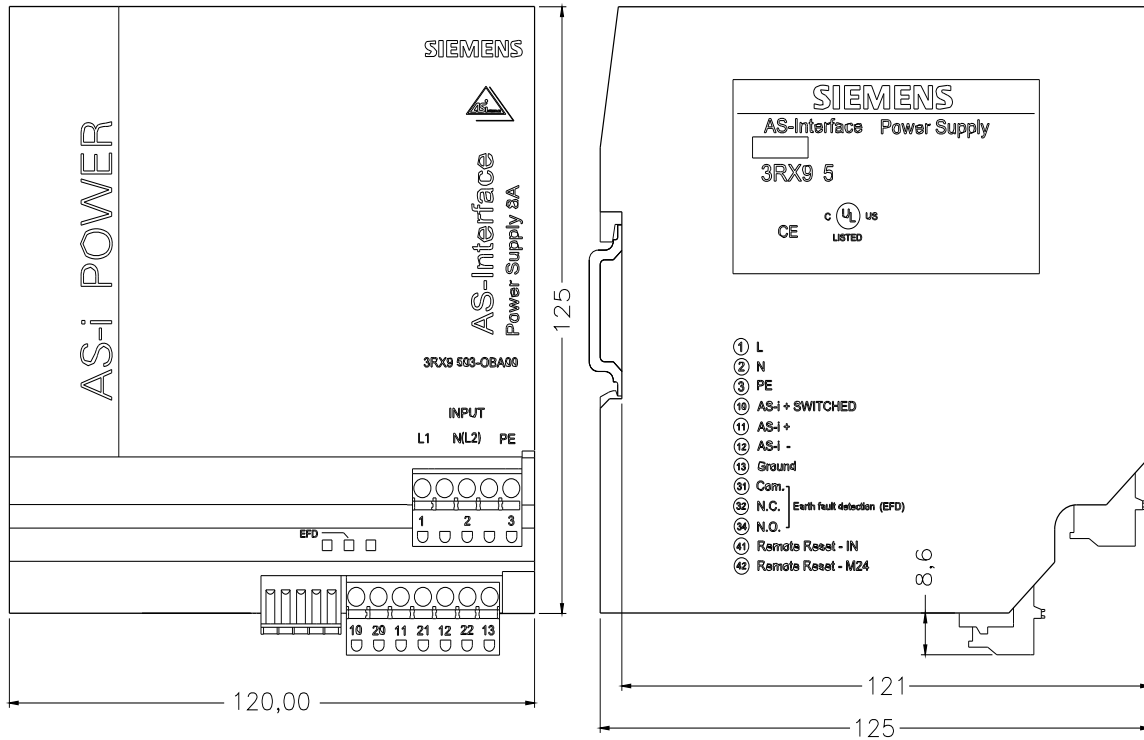
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RX9503-0BA00>

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

<https://support.industry.siemens.com/cs/ww/en/ps/3RX9503-0BA00>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RX9503-0BA00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RX9503-0BA00&lang=en)



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