

AS-INTERFACE POWER SUPPLY IP20; OUT: AS-I DC30V, 8A IN: AC 120V/230V-500V W. INTEGR. GROUND FAULT DETECTION W. INTEGR. OVERLOAD DETECTION



General technical data:

Type of device		AS-Interface power supply unit IP20
version		single output
input voltage nominal value AC		
• range 1	V	120
• range 2	V	230
Additional function		integrated ground-fault detection, remote reset and remote indication

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 _a rated min		20 ms
• line frequency		50/60 Hz
• Mains frequency range	Hz	47 ... 63

<ul style="list-style-type: none"> • range changeover using • input voltage built-in 		Changeover switch on device T 6.3 (not accessible)
Connections input		spring-loaded terminal connection input (0.2 ... 2.5 mm ²)/ diagnosis (0.14 ... 1.5 mm ²)

Outputs:

output		
<ul style="list-style-type: none"> • DC-voltage controlled floating according to AS-Interface specification • voltage rated value U_a rated DC • tolerance total DC • rated current I_a rated • residual ripple peak-to-peak (0-10 kHz, AS-i+/AS-i-) max • spikes peak-to-peak (10-500 kHz, AS-i+/AS-i-) max 	V	yes 30 V 29.5 ... 31.6 8 A
	mV	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	%	87
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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		SELV according to EN 60 950 and EN 50 178
Protection class IP		IP20

Electromagnetic compatibility:

electromagnetic compatibility (EMC)		
<ul style="list-style-type: none"> • interference immunity • emitted interference 		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		
<ul style="list-style-type: none"> • during operation • during storage 	°C	-10 ... +70 -25 ... +80
humidity rating		climatic class DIN 50010, relative humidity max. 100% without condensation
Mounting type		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



Shipping Approval

other



[Environmental Confirmations](#)

[Declaration of Conformity](#)

[Confirmation](#)

other

[Miscellaneous](#)

Further information

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

<http://www.siemens.com/industrial-controls/catalogs>

Industry Mall (Online ordering system)

<http://www.siemens.com/industrymall>

Cax online generator

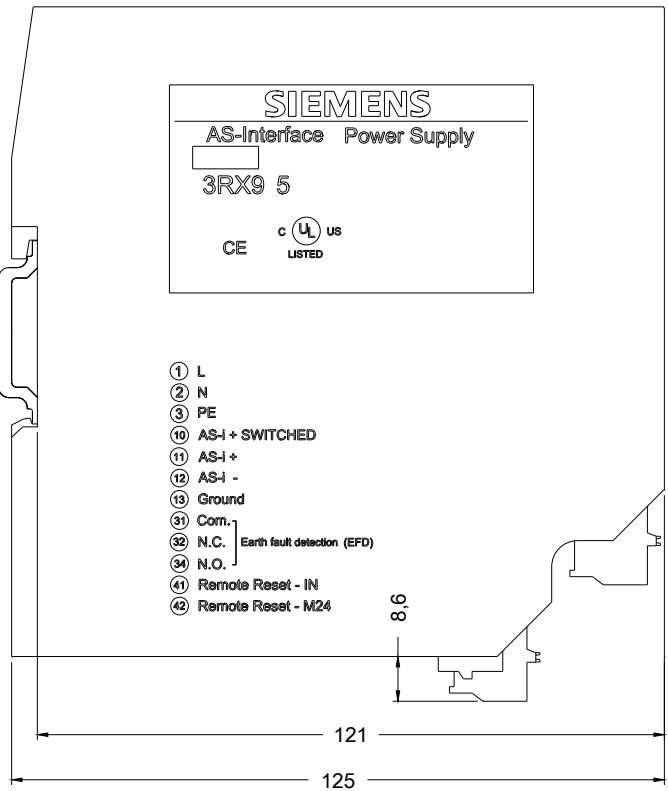
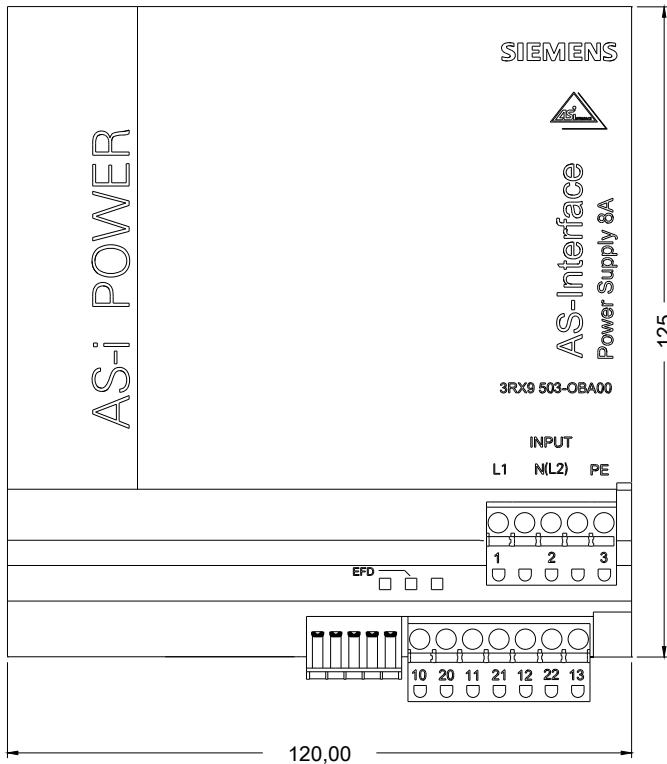
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RX9503-0BA00>

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



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08/05/2017