



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		single / two phase AC
• voltage range		
• voltage range 1 / AC	V	85 ... 132
• voltage range 2 / AC	V	176 ... 550
• Mains buffering time / at I _a rated / min		20
• 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)
• recommended circuit breaker / (IEC 898) / in the main supply line		10 A, characteristic C

Connections / input		spring-loaded terminal connection input (0.2 ... 2.5 mm ²)/ diagnosis (0.14 ... 1.5 mm ²)
Outputs:		
output		
• DC-voltage / controlled floating / according to AS-Interface specification		yes
• voltage rated value / U _a rated / DC		30 V
• tolerance / total		
• DC	V	29.5 ... 31.6
• rated current / I _a 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 ²)/ diagnosis (0.14 ... 1.5 mm ²)
Efficiency / heat loss:		
Efficiency / at U_a rated, I_a rated	%	87
Protective and monitoring functions		
Output overvoltage protection		yes (< 35V)
Current limitation / from min.		8.5 A
Short-circuit protection		yes
Safety:		
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
EMC:		
electromagnetic compatibility (EMC)		
• interference immunity		EN 61 000-6-2, EN 61 000-4-2/-3/-4/-5/-11
• emitted interference		class B according to EN 55 022, IEC 61 000-6-3
Ambient conditions:		
Ambient temperature		
• during operating	°C	-10 ... +70
• during storage	°C	-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

EMC



Shipping Approval



other



ASi

[Declaration of
Conformity](#)

[other](#)

[Environmental
Confirmations](#)

Further information:

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

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

Industry Mall (Online ordering system)

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

Cax online generator:

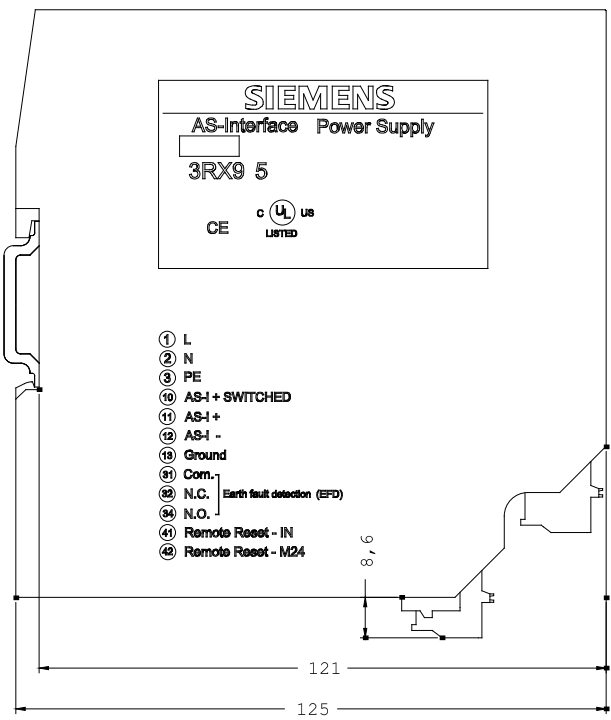
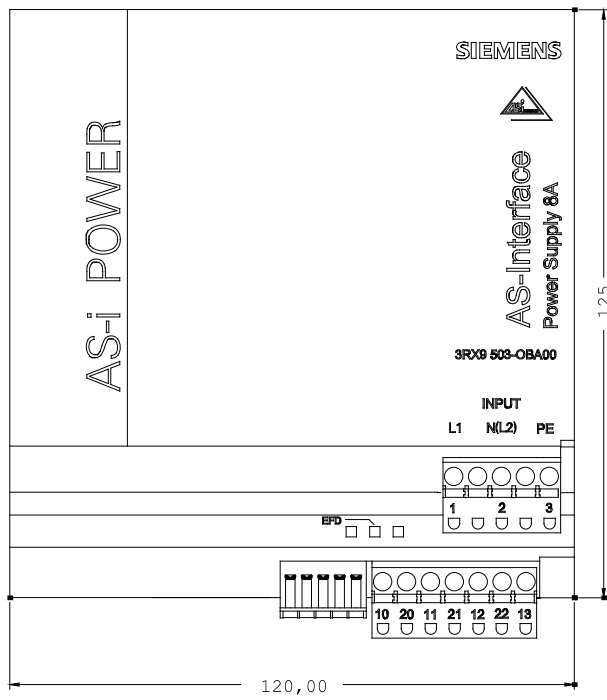
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RX9503-0BA00/all>

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

http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RX9503-0BA00



last change:

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