



AS-INTERFACE POWER SUPPLY IP20;  
 OUT: AS-I DC30V,  
 3A IN: AC 120V/230V W. INTEGR. GROUND FAULT  
 DETECTION W. INTEGR. OVERLOAD DETECTION

**General technical data:**

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

**Inputs:**

<b>input</b>		single phase AC
• voltage range		
• voltage range 1 / AC	V	85 ... 132
• voltage range 2 / AC	V	176 ... 253
• Mains buffering time / at I <sub>a</sub> 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 3.15 (not accessible)
• recommended circuit breaker / (IEC 898) / in the main supply line		6 A, characteristic C

<b>Connections / input</b>		spring-loaded terminal connection input (0.2 ... 2.5 mm <sup>2</sup> )/ diagnosis (0.14 ... 1.5 mm <sup>2</sup> )
<b>Outputs:</b>		
<b>output</b>		
• 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		3 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
<b>Connections / Output</b>		spring-loaded terminal connection output (0.2 ... 2.5 mm <sup>2</sup> )/ diagnosis (0.14 ... 1.5 mm <sup>2</sup> )
<b>Efficiency / heat loss:</b>		
<b>Efficiency / at U<sub>a</sub> rated, I<sub>a</sub> rated</b>	%	84
<b>Protective and monitoring functions</b>		
<b>Output overvoltage protection</b>		yes (< 35V)
<b>Current limitation / from min.</b>		3.5 A
<b>Short-circuit protection</b>		yes
<b>Safety:</b>		
<b>protection class / ( EN 60 950/IEC 950 )</b>		I
<b>Electrical isolation / primary/secondary</b>		SELV according to EN 60 950 and EN 50 178
<b>Protection class IP</b>		IP20
<b>EMC:</b>		
<b>electromagnetic compatibility (EMC)</b>		
• 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
<b>Ambient conditions:</b>		
<b>Ambient temperature</b>		
• during operating	°C	-10 ... +70
• during storage	°C	-25 ... +80
<b>humidity rating</b>		climatic class DIN 50010, relative humidity max. 100% without condensation
<b>Mounting type</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

Depth

mm

125

### Certificates/approvals:

#### General Product Approval



CSA

UL

C-TICK

#### Shipping Approval



ABS

DNV

LRS

PRS

RINA

#### 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:

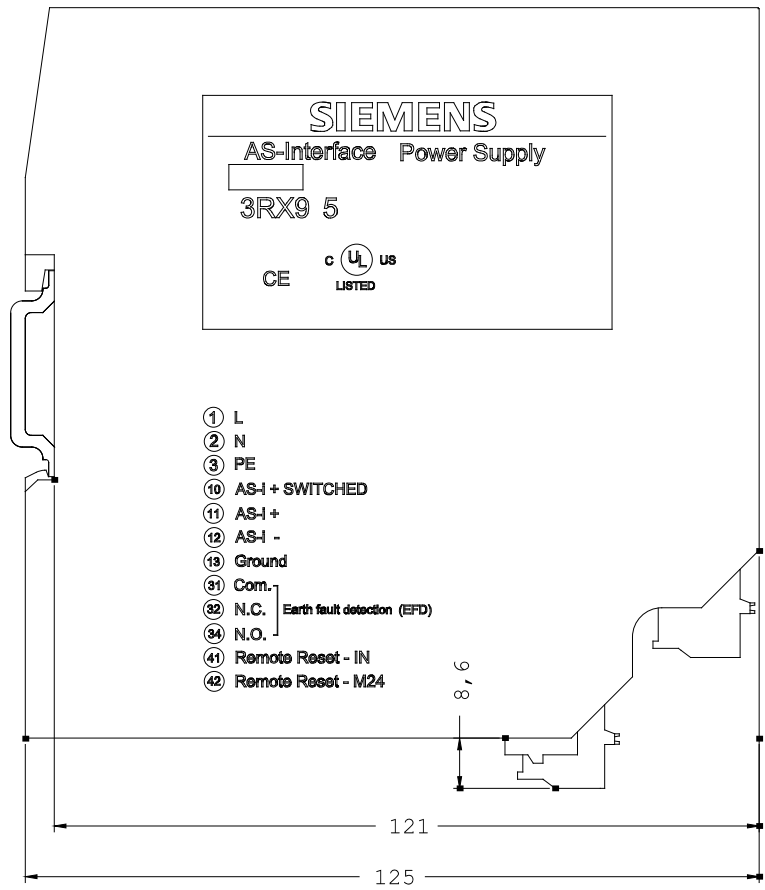
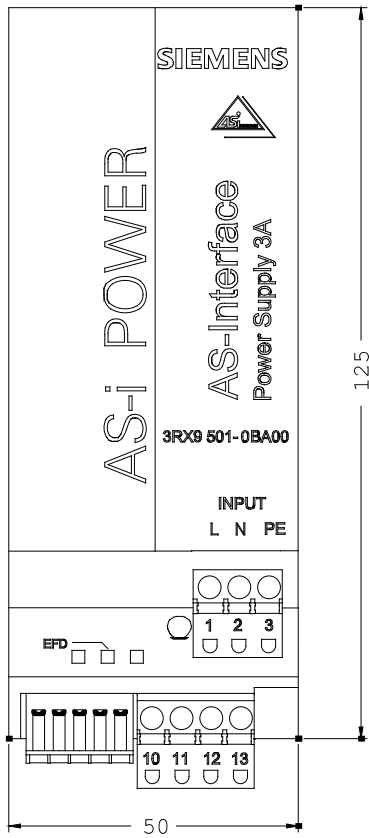
<http://www.siemens.com/cax>

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

<http://support.automation.siemens.com/WW/view/en/3RX9501-0BA00/all>

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

[http://www.automation.siemens.com/bilddb/cax\\_en.aspx?mlfb=3RX9501-0BA00](http://www.automation.siemens.com/bilddb/cax_en.aspx?mlfb=3RX9501-0BA00)



- ① L
- ② N
- ③ PE
- ⑩ AS-I + SWITCHED
- ⑪ AS-I +
- ⑫ AS-I -
- ⑬ Ground
- ⑭ Com.
- ⑮ N.C. } Earth fault detection (EFD)
- ⑯ N.O. }
- ⑰ Remote Reset - IN
- ⑱ Remote Reset - M24

last change:

Jun 16, 2014