


**Product data sheet**
**3RX9306-1AA00**

AS-INTERFACE COMBINED POWER SUPPLY UNIT  
 IP20,AS-I DC30V,  
 WITH DATA DECOUPLING DC24V,  
 4A (PRIMARY CLOCKING) INPUT VOLTAGE  
 115/230V COMMUTABLES

**General technical data:**

Type of device	AS-Interface power supply unit IP20
version	combi output
input voltage / nominal value / AC	
<ul style="list-style-type: none"> <li>• range 1</li> <li>• range 2</li> </ul>	115 V 230.000 V

**Inputs:**

input	single phase AC
<ul style="list-style-type: none"> <li>• voltage range           <ul style="list-style-type: none"> <li>• voltage range 1 / AC               <ul style="list-style-type: none"> <li>• min</li> <li>• max</li> </ul> </li> <li>• voltage range 2 / AC               <ul style="list-style-type: none"> <li>• min</li> <li>• max</li> </ul> </li> </ul> </li> <li>• Mains buffering time / at I<sub>a</sub> rated / min</li> <li>• line frequency</li> <li>• Mains frequency range           <ul style="list-style-type: none"> <li>• min</li> <li>• max</li> </ul> </li> <li>• range changeover / using</li> <li>• input voltage / built-in</li> <li>• recommended circuit breaker / (IEC 898) / in the main supply line</li> </ul>	102 V 132 V 195 V 253 V 20 50/60 Hz 47 Hz 63 Hz changeover switch T 5 (not accessible) 16 A and higher, characteristic C
Connections / input	spring-loaded terminal connection (0.8...2.5 mm <sup>2</sup> )

**Outputs:**

output	
• DC-voltage / controlled floating / according to AS-Interface specification	yes
• voltage rated value / Ua rated / DC	30 / 24 V
• tolerance / total / DC	
• min	29.5 V
• max	31.6 V
• rated current / Ia rated	4/5 A
• residual ripple / peak-to-peak / ( 0-10 kHz, AS-i+/AS-i- ) / max	300 mV
• spikes / peak-to-peak / ( 10-500 kHz, AS-i+/AS-i- ) / max	50 mV
Connections / Output	spring-loaded terminal connection (0.8...2.5 mm <sup>2</sup> )
<b>Efficiency / heat loss:</b>	
Efficiency / at Ua rated, Ia rated	85 %
<b>Protective and monitoring functions</b>	
Output overvoltage protection	no
Current limitation / from min.	4/5 A
Short-circuit protection	yes
<b>Safety:</b>	
protection class / ( EN 60 950/IEC 950 )	I
licence	CE, UL, CSA (available soon)
Electrical isolation / primary/secondary	SELV according to EN 60 950 (available soon)
Protection class IP	IP20
<b>EMC:</b>	
electromagnetic compatibility (EMC)	
• interference immunity	EN 50 082-2
• emitted interference	EN 50 081-1
<b>Ambient conditions:</b>	
Ambient temperature	
• during the operating phase	
• maximum	55 °C
• minimum	-45 °C
• during storage	
• maximum	60 °C

• minimum	-45 °C
humidity rating	max. 80% rel. Humidity
<b>Mechanical design:</b>	
Type of fixing/fixation	fixing on standard mounting rail DIN EN 50 022-35 x 7.5 mm snap-on
Width	150 mm
Height	135 mm
Depth	107 mm
<b>last change:</b>	10/31/2006

<b>Technical Assistance:</b>	Telephone: +49 (0) 911-895-5900 (8°° - 17°° CET)
	Fax: +49 (0) 911-895-5907
	E-Mail: <a href="mailto:technical-assistance@siemens.com">technical-assistance@siemens.com</a>
	Internet: <a href="http://www.siemens.de/lowvoltage/technical-assistance">www.siemens.de/lowvoltage/technical-assistance</a>