

PSN130S 4 A 120 V/230 V AC IP20 Power supply unit  
 30 V, for AS-i without AS-i data decoupling IN: 120 V /  
 230 V AC OUT: 30 V DC, 4 A, IP20 with integrated  
 Overload detection with signaling contact



Figure similar

General technical data:		
Type of device		30 V power supply unit IP 20
version		single output
input voltage nominal value AC		
• range 1	V	120
• range 2	V	230
Additional function		Signal contact
Inputs:		
input recommended circuit breaker (IEC 898) in the main supply line		6 A, characteristic C
input voltage range		
• voltage range 1 AC	V	85 ... 132
• voltage range 2 AC	V	170 ... 264
input		
• Mains buffering time at I <sub>a</sub> rated min		20 ms
• line frequency		50/60 Hz
• Mains frequency range	Hz	47 ... 63

<ul style="list-style-type: none"> <li>range changeover using</li> <li>input voltage built-in</li> </ul>		Automatic range switchover T 3.15 (not accessible)
<b>Connections input</b>		Screw connection (0.5 ... 2.5 mm <sup>2</sup> )

#### Outputs:

<b>output</b>		
<ul style="list-style-type: none"> <li>DC-voltage controlled floating according to AS-Interface specification</li> <li>voltage rated value U<sub>a</sub> rated DC</li> <li>tolerance total DC</li> <li>rated current I<sub>a</sub> rated</li> <li>residual ripple peak-to-peak ( 0-10 kHz, AS-i+/AS-i- ) max</li> <li>spikes peak-to-peak ( 10-500 kHz, AS-i+/AS-i- ) max</li> </ul>	V	yes 30 V 29.5 ... 31.6 4.0 A
	mV	150
	mV	150
<b>Connections Output</b>		Screw connection (0.5 ... 2.5 mm <sup>2</sup> )

#### Efficiency/ heat loss:

<b>Efficiency at U<sub>a</sub> rated, I<sub>a</sub> rated</b>	%	88
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#### Protective and monitoring functions:

<b>Output overvoltage protection</b>		yes (< 37V)
<b>Current limitation from min.</b>		5.5 A
<b>Short-circuit protection</b>		yes

#### Safety related data:

<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

#### Electromagnetic compatibility:

<b>electromagnetic compatibility (EMC)</b>		
<ul style="list-style-type: none"> <li>interference immunity</li> <li>emitted interference</li> </ul>		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:

<b>Ambient temperature</b>		
<ul style="list-style-type: none"> <li>during operation</li> <li>during storage</li> </ul>	°C	-20 ... +70 -40 ... +85
<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
<b>Depth</b>	mm	125

## Certificates/ approvals:

General Product Approval	EMC	Declaration of Conformity	Shipping Approval
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Shipping Approval	other
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[Confirmation](#)

## 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

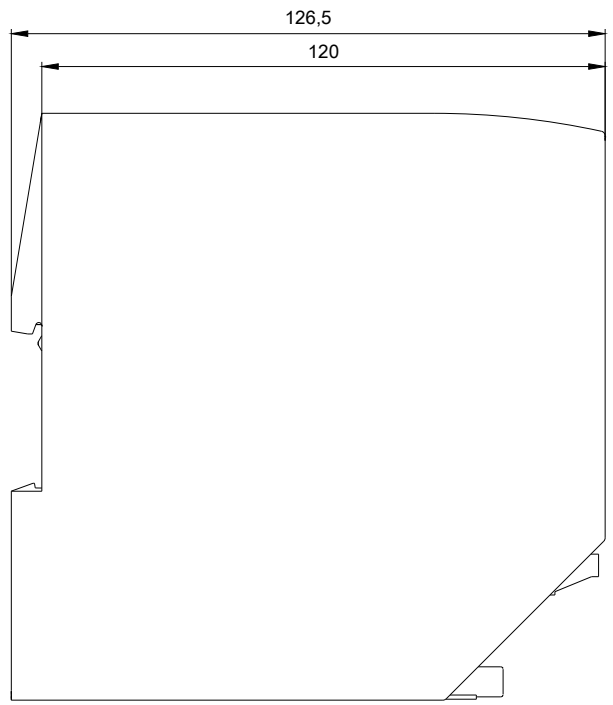
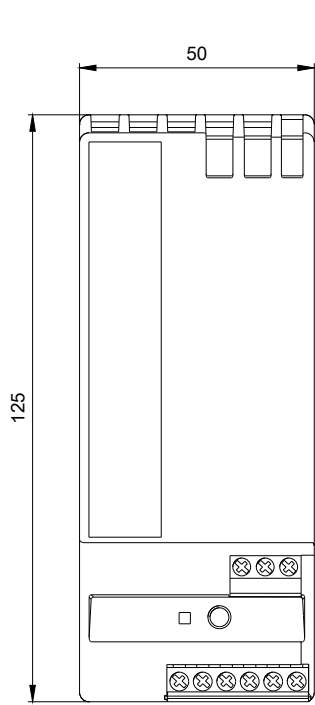
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RX9512-0AA00>

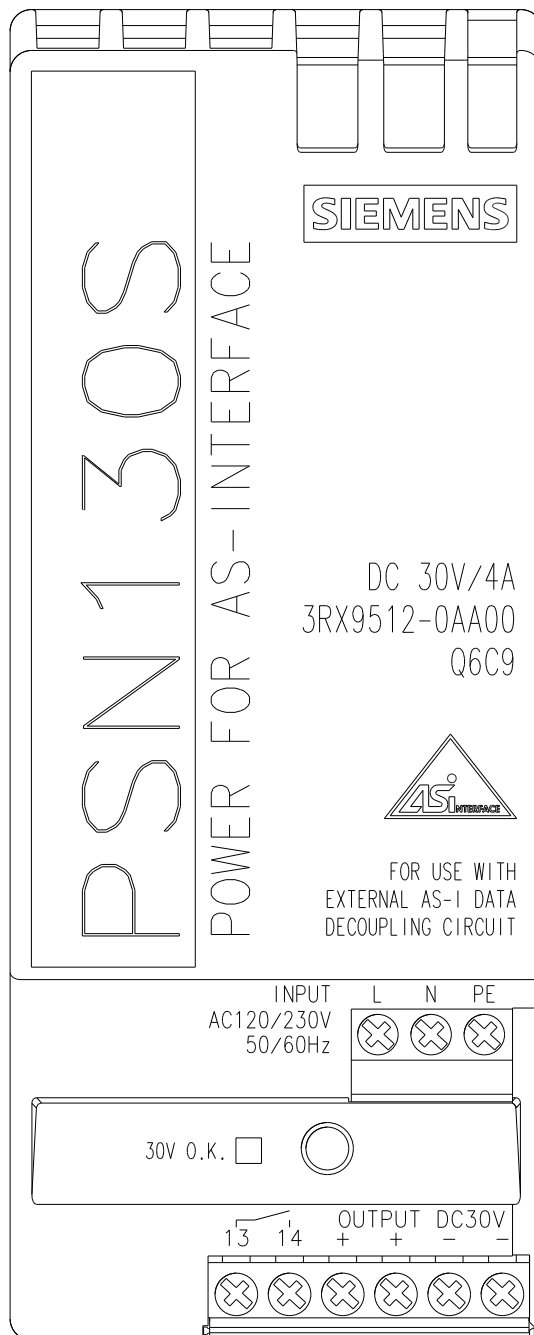
### Service&Support (Manuals, Certificates, Characteristics, FAQs,...)

<https://support.industry.siemens.com/cs/ww/en/ps/3RX9512-0AA00>

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

[http://www.automation.siemens.com/bilddb/cax\\_de.aspx?mlfb=3RX9512-0AA00&lang=en](http://www.automation.siemens.com/bilddb/cax_de.aspx?mlfb=3RX9512-0AA00&lang=en)





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