

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



General technical data		
Type of device		30 V power supply unit IP 20
version		single output
Additional function		Signal contact
input voltage nominal value AC		
• range 1	V	120
• range 2	V	230
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
• range changeover using		Automatic range switchover

• input voltage built-in		T 3.15 (not accessible)
<b>Connections input</b>		Screw connection (0.5 ... 2.5 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		4.0 A
• residual ripple peak-to-peak ( 0-10 kHz, AS-i+/AS-i- ) max	mV	150
• spikes peak-to-peak ( 10-500 kHz, AS-i+/AS-i- ) max	mV	150
<b>Connections Output</b>		Screw connection (0.5 ... 2.5 mm <sup>2</sup> )

<b>Efficiency/ heat loss</b>		
<b>Efficiency at U<sub>a</sub> rated, I<sub>a</sub> rated</b>	%	88

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

<b>Safety related data</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>Electromagnetic compatibility</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 operation	°C	-20 ... +70
• during storage	°C	-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

<b>Certificates/ approvals</b>		
--------------------------------	--	--

General Product Approval	EMC	Declaration of Conformity	Shipping Approval
--------------------------	-----	---------------------------	-------------------



Shipping Approval	other
-------------------	-------



[Confirmation](#)

### Further information

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

<https://www.siemens.com/ic10>

**Industry Mall (Online ordering system)**

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mlfb=3RX9512-0AA00>

**Cax online generator**

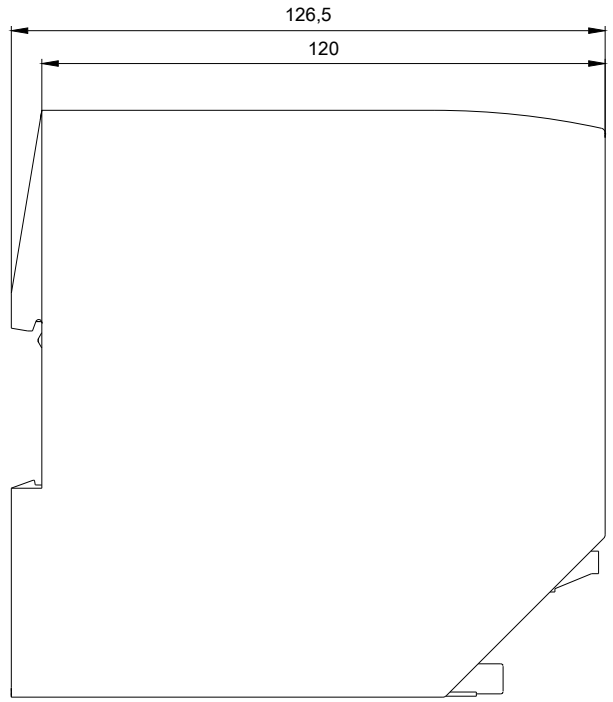
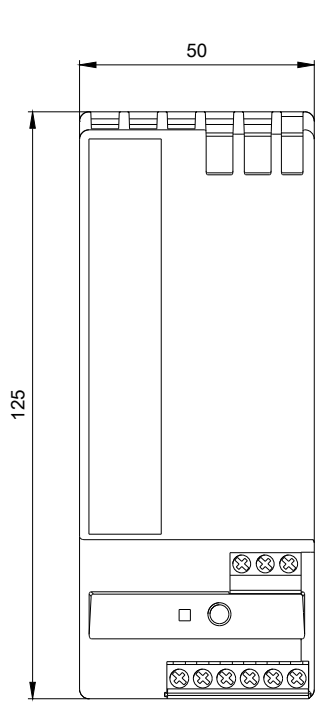
<http://support.automation.siemens.com/WW/CAXorder/default.aspx?lang=en&mlfb=3RX9512-0AA00>

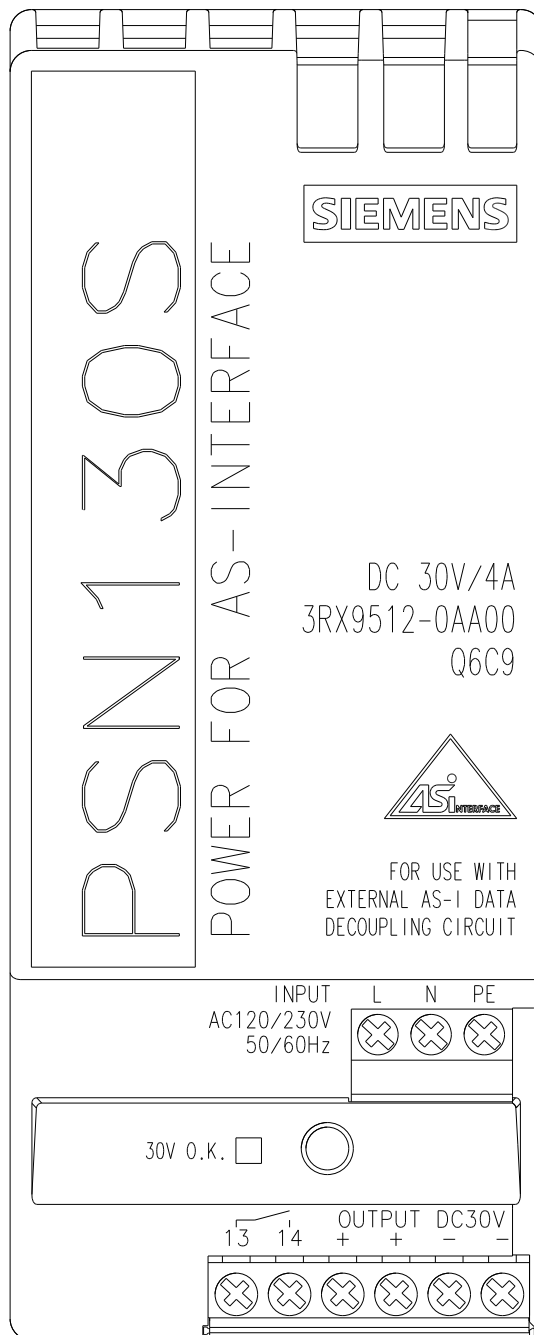
**Service&Support (Manuals, Certificates, Characteristics, FAQs,...)**

<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)





last modified:

09/24/2020