



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)
Connections input		Screw connection (0.5 ... 2.5 mm <sup>2</sup> )
Outputs		
output		
• 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
Connections Output		Screw connection (0.5 ... 2.5 mm <sup>2</sup> )
Efficiency/ heat loss		
Efficiency at U <sub>a</sub> rated, I <sub>a</sub> rated	%	88
Protective and monitoring functions		
Output overvoltage protection		yes (< 37V)
Current limitation from min.		5.5 A
Short-circuit protection		yes
Safety related data		
protection class ( EN 60 950/IEC 950 )		I
Electrical isolation primary/secondary		ES1 according EN 62368-1 (for products until end of 2020: SELV according to EN 60 950 and EN 50 178)
protection class IP		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
	°C	-40 ... +85
<b>humidity rating</b>		climatic class DIN 50010, relative humidity max. 100% without condensation
<b>fastening method</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
 <a href="#">Confirmation</a>		  

## Marine / Shipping

Marine / Shipping	other
   	<a href="#">Confirmation</a>

## Further information

**Siemens has decided to exit the Russian market (see here).**  
<https://press.siemens.com/global/en/pressrelease/siemens-wind-down-russian-business>

**Siemens is working on the renewal of the current EAC certificates.**  
 Please contact your local Siemens office on the status of validity of the EAC certification if you intend to import or offer to supply these products to an EAC relevant market (other than the sanctioned EAEU member states Russia or Belarus).

**Information on the packaging**  
<https://support.industry.siemens.com/cs/ww/en/view/109813875>

**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)

