

product type designation



RUGGEDCOM RPS1300

54 V/2.6A Power Supply, INPUT: 120 / 230 V AC, OUTPUT: 54 V/2.6 A DC, -40C to +75C, Suitable for RUGGEDCOM POE applications

type of current supply	Input: AC 120/230 V, Output: DC 54 V / 2,6 A
Technical Product Detail Page	https://i.siemens.com/1P6GK6000-8HS01-0AA0
suitability for use	PoE Power Supply
suitability for operation	RS900GP, RSG920P
electrical data / input	
voltage curve / at input	AC
supply voltage / 1 / rated value	120 V
• supply voltage / 1 / rated value	85 ... 264 V
• type of voltage / 1 / of the supply voltage	AC 1-phase
• consumed current / 1 / at rated supply voltage / maximum	4.4 A
design of input / wide range input	Yes
buffering time / for rated value of the output current / in the event of power failure / minimum	50 ms
current limitation / of inrush current / at 25 °C / maximum	57.6 A
fuse protection type / at input	Fuse T 6.3A soldered
electrical data / output	
voltage curve / at output	Controlled, isolated DC voltage
output voltage	
• 1 / at DC / rated value	54 V
display version / for normal operation	LED green for DC ok
behavior of the output voltage / when switching on	Overshoot of $U_a < 2\%$
startup delay time / maximum	1.5 s
voltage increase time / of the output voltage / maximum	15 ms
output current	
• rated value	2.6 A
• rated range	0 ... 4.8 A
supplied active power / typical	140 W
product feature / parallel switching of channels	No
efficiency in percent	91.6 %
power loss [W]	13 W
electrical data / closed-loop control	
relative overall tolerance / of the voltage	1 %
residual ripple / maximum	0.05 V
voltage peak / maximum	0.2 V
relative control precision / of the output voltage	
• on slow fluctuation of input voltage	0.2 %
• on slow fluctuation of ohm loading	0.5 %
• load step of resistive load 50/100/50 % / typical	0.5 %

<ul style="list-style-type: none"> with rapid fluctuation of the input voltage by +/- 15% / typical 	0.3 %
setting time	
<ul style="list-style-type: none"> load step 50 to 100% / typical 	0.5 ms
<ul style="list-style-type: none"> load step 100 to 50% / typical 	0.5 ms
electrical data / protection and monitoring	
design of the overvoltage protection / at output	< 60 V
response value current limitation / typical	4.8 A
property of the output / short-circuit proof	Yes
design of short-circuit protection	Electronic overload and short-circuit protection, automatic restart "hiccup"
electrical data / safety	
galvanic isolation / between input and output	Yes
galvanic isolation	Safety extra-low output voltage Uout acc. to EN 60950-1
operating resource protection class	Class I
leakage current	
<ul style="list-style-type: none"> maximum 	3.5 mA
<ul style="list-style-type: none"> typical 	1 mA
interfaces	
number of electrical connections	
<ul style="list-style-type: none"> for power supply 	3
<ul style="list-style-type: none"> for signaling contact 	2
type of electrical connection	
<ul style="list-style-type: none"> for signaling contact 	Screw terminal 0.5 - 2.5 mm ²
<ul style="list-style-type: none"> at input 	FE / L / N screw-type terminal 0.5 - 2.5 mm ²
<ul style="list-style-type: none"> at output 	2x + / 2x - , screw-type terminal 0.5 - 2.5 mm ²
signal inputs/outputs	
product component / signaling contact	Yes
relay design	Normal open contact (N/O)
operating voltage / of the signaling contacts	
<ul style="list-style-type: none"> at DC / rated value 	24 V
<ul style="list-style-type: none"> at DC / maximum 	60 V
operational current / of the signaling contacts	
<ul style="list-style-type: none"> at DC / maximum 	0.3 A
<ul style="list-style-type: none"> at DC / at 30 V / maximum 	0.3 A
design, dimensions and weights	
width	42 mm
height	125 mm
depth	125 mm
net weight	0.5 kg
product feature / of the enclosure / housing can be lined up	Yes
fastening method	
<ul style="list-style-type: none"> 19-inch installation 	No
<ul style="list-style-type: none"> wall mounting 	No
<ul style="list-style-type: none"> 35 mm DIN-rail mounting 	Yes
<ul style="list-style-type: none"> S7-300 rail mounting 	No
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation 	-40 ... +75 °C
<ul style="list-style-type: none"> during storage 	-40 ... +85 °C
<ul style="list-style-type: none"> during transport 	-40 ... +85 °C
<ul style="list-style-type: none"> note 	Convection, clearance above/below required
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
environmental category / according to IEC 60721	Climate class 3K3, without condensation
protection class IP	IP20
standards, specifications, approvals	
standard	
<ul style="list-style-type: none"> for safety / from CSA and UL 	cULus listed (UL508, CSA C22.2 No. 107.1)
<ul style="list-style-type: none"> for emitted interference 	EN 61000-6-4: 2007

<ul style="list-style-type: none"> • for interference immunity 	EN 61000-6-2
certificate of suitability	EN 61000-6-4: 2007
<ul style="list-style-type: none"> • CE marking 	Yes
<ul style="list-style-type: none"> • C-Tick 	Yes

further information / internet links

internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to website: Industrial communication • to website: Siemens RUGGEDCOM • to web page: SiePortal • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/simatic-net https://www.siemens.com/ruggedcom https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com

security information

security information	<p>Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7)</p>
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Approvals / Certificates

General Product Approval	other
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Manufacturer Declaration					inspection certificate
	EG-Konf.	UL	RCM		

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