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Data sheet 6GK5923-0PS00-2RA3

product type designation	**SCALANCE PSR9230PoE power supply** SCALANCE PSR9230PoE 19" rack power-supply for power over Ethernet, Input: 230 V AC; output: 54 V DC.



product brand name	SCALANCE
type of current supply	180 W, input: 100 ... 240 V AC, 50/60 Hz, output: 54 V / 4 A DC
Technical Product Detail Page	https://i.siemens.com/1P6GK5923-0PS00-2RA3
suitability for use	Power supply for PoE
electrical data	
product category	Power supply
electrical data / input	
voltage curve / at input	AC single phase
supply voltage / 1 / rated value	230 V
● supply voltage / 1 / rated value	85 ... 264 V
● type of voltage / 1 / of the supply voltage	AC
● consumed current / 1 / at rated supply voltage / maximum	4 A
design of input / wide range input	Yes
overvoltage category	Category II
buffering time / for rated value of the output current / in the event of power failure / minimum	20 ms
line frequency	
● 50 Hz	Yes
● 60 Hz	Yes
line frequency	47 ... 63 Hz
input current / at rated input voltage 230 V / rated value	4 A
current limitation / of inrush current / at 25 °C / maximum	25 A
fuse protection type / at input	Fuse T 4A soldered in
electrical data / output	
voltage curve / at output	linear falling (56V at 0A, 54V at 4A)
output voltage	
● 1 / at DC / rated value	54 V
display version / for normal operation	LED green for DC ok
output current	
● rated value	4 A
● rated range	0 ... 4 A
supplied active power / typical	180 W
product feature / parallel switching of channels	Yes
number of parallel-switched equipment resources / for increasing the power	2
power loss [W]	24 W
electrical data / closed-loop control	
relative overall tolerance / of the voltage	3 %

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electrical data / protection and monitoring	
design of the overvoltage protection / at output	< 60 V
property of the output / short-circuit proof	Yes
design of short-circuit protection	Electronic shutdown, automatic restart
electrical data / safety	
galvanic isolation / between input and output	Yes
galvanic isolation	Input to output: 4 kV, input to PE 2.5 kV, output to PE: 2.25 kV
interfaces	
number of electrical connections	
• for power supply	1
• for signaling contact	0
type of electrical connection	
• for power supply	IEC plug
• at output	2-pole terminal block
signal inputs/outputs	
product component / signaling contact	No
design, dimensions and weights	
design	19-inch rack
width	446 mm
height	43.6 mm
depth	133 mm
net weight	2.8 kg
fastening method	
• 19-inch installation	Yes
• DIN-rail mounting	Yes
ambient conditions	
ambient temperature	
• during operation	-25 ... +60 °C
• during storage	-40 ... +60 °C
• during transport	-40 ... +60 °C
• note	Convection
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	IP30
standards, specifications, approvals	
standard	
• for safety / from CSA and UL	UL 62368-1:2014 (Second Edition) Report No. E115352, IEC 62368-1:2014 (Second Edition)
• for emitted interference	EN 61000-6-4:2007 +A1:2011
• for interference immunity	EN 61000-6-2:2019
certificate of suitability	EN 61000-6-4: 2007
• CE marking	Yes
• C-Tick	Yes
MTBF	110 a; at full load, 40 °C
• reference temperature	40 °C
• percental operating load	100 %
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	595.15 kg
• during manufacturing	62.11 kg
• during operation	532.64 kg
• after end of life	0.4 kg
accessories	
accessories / included	Connecting cable power supply / switch
further information / internet links	
internet link	

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● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Industrial communication	https://www.siemens.com/simatic-net
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

security information

security information	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)

Approvals / Certificates

General Product Approval	Environment

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