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Data sheet 6GK5923-0PS00-2AA6

product type designation	**SCALANCE PSP9230PoE power supply**
	SCALANCE PSP9230PoE; input: 100-240 V AC, 110-250 V DC; output: 24 V DC/1 A + 54 V DC/4 A; IP65 power supply for power-over-Ethernet (PoE); SCALANCE XP208 or XP216 mountable on PSP9230PoE power supply unit; two adapter plates included in scope of supply; operation outside of control cabinet possible; optional accessories: M12 plug (S-coded): 6GK1907-0DC00-6AA4 , M12 plug-in cables pre-assembled (L-coded) lengths 0.5 m to 15 m available (see compact installation instructions)



product brand name	SCALANCE
type of current supply	240 W, input nominal voltage: 100V 240V AC / 110V 250V DC, non-redundant, 50/60 Hz, output: 24V DC (1A) / 54V DC (4A)
Technical Product Detail Page	https://i.siemens.com/1P6GK5923-0PS00-2AA6
suitability for use	IP65 power supply unit for PoE, especially for use with SCALANCE XP-200 devices. SCALANCE XP208 can be mounted directly and SCALANCE XP216 can be mounted on the PSP9230PoE using two adapter plates included in scope of delivery. Intended for operation outside a control cabinet.
electrical data	
product category	Power supply
electrical data / input	
voltage curve / at input	1-phase AC or DC
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	2.67 A
supply voltage / 2 / rated value	110 V
● supply voltage / 2 / rated value	88 ... 300 V
● type of voltage / 2 / of the supply voltage	DC; PSP9230PoE with EN 50155 supports the voltage range 77 ... 300 V DC
● consumed current / 2 / at rated supply voltage / maximum	2.5 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	1.1 A
current limitation / of inrush current / at 25 °C / maximum	60 A
fuse protection type / at input	fuse T 4A, electronically controlled
electrical data / output	
voltage curve / at output	Controlled, isolated DC voltage
output voltage	
● 1 / at DC / rated value	56 V
● 2 / at DC / rated value	24 V
display version / for normal operation	LED green for DC ok
voltage increase time / of the output voltage / maximum	800 ms
output current	

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● rated value	3 A
● rated range	0 ... 4 A
supplied active power / typical	224 W
product feature / parallel switching of channels	No
number of parallel-switched equipment resources / for increasing the power	0
efficiency in percent	93.4 %
power loss [W]	24 W
electrical data / closed-loop control	
relative overall tolerance / of the voltage	3 %
residual ripple / maximum	0.05 V
switching frequency	100 kHz; 10...200
electrical data / protection and monitoring	
property of the output / short-circuit proof	Yes
design of short-circuit protection	Electronic shutdown, automatic restart
enduring short circuit current / RMS value / maximum	8.2 A
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
operating resource protection class	Class I
interfaces	
number of electrical connections	
● for power supply	1
● for signaling contact	0
type of electrical connection	
● for power supply	M12 (S-coded)
● at output	2x M12 (L-coded)
display version	LED
signal inputs/outputs	
product component / signaling contact	No
design, dimensions and weights	
design	compact
width	280 mm
height	200 mm
depth	65 mm
net weight	4.5 kg
product feature / of the enclosure / housing can be lined up	No
fastening method	wall mounting, back wall mounting
● 19-inch installation	No
● wall mounting	Yes
● screw connection	Yes
ambient conditions	
ambient temperature	
● during operation	-40 ... +70 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °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	IP65
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

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● C-Tick	Yes
● KC approval	Yes
● IEC 61850-3	No
● IEEE 1613	No
MTBF	94.74 a; EN/IEC 61709; 40°C)

accessories	
accessories	power M12 cable connector PRO (6GK1907-0DC00-6AA4)
accessories / included	2 adapter plates including 4 countersunk head screws for mounting SCALANCE XP216 on PSP9230PoE

further information / internet links	
internet link	
● 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				Radio Equipment Type Approval Certificate	Railway
EAC	UKCA	CE EG-Konf.	UL	KC	Confirmation

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