

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.



type of current supply	180 W, input: 100 ... 240 V AC, 50/60 Hz, output: 54 V / 4 A DC
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 %
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 %
reference code	
• according to IEC 81346-2:2019	TBA
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	
• 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
- to website: CAX-Download-Manager
- to website: Industry Online Support

<https://www.automation.siemens.com/bilddb>
<https://www.siemens.com/cax>
<https://support.industry.siemens.com>

security information

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Approvals / Certificates

General Product Approval

Environment



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