

### 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
<b>electrical data / input</b>	
voltage curve / at input	AC single phase
supply voltage / rated value	230 V
supply voltage / rated value	85 ... 264 V
type of voltage / of the supply voltage	AC
consumed current / 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
• 1 / rated value	50 Hz
• 2 / rated value	60 Hz
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
<b>electrical data / output</b>	
voltage curve / at output	linear falling (56V at 0A, 54V at 4A)
output voltage / 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]	275 W
<b>electrical data / closed-loop control</b>	
relative overall tolerance / of the voltage	3 %
<b>electrical data / protection and monitoring</b>	
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

<b>electrical data / safety</b>	
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
<b>interfaces</b>	
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
<b>signal inputs/outputs</b>	
product component / signaling contact	No
<b>design, dimensions and weights</b>	
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
• standard rail mounting	Yes
<b>ambient conditions</b>	
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 %
protection class IP	IP30
<b>standards, specifications, approvals</b>	
standard	
• for safety / from CSA and UL	UL 62368-1:2014 (Second Edition) Report No. E115352, IEC 62368-1:2014 (Second Edition)
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 %
<b>accessories</b>	
accessories	
• included	Connecting cable power supply / switch
<b>further information / internet links</b>	
internet link	
• to web page: selection aid TIA Selection Tool	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAX-Download-Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>last modified:</b>	5/28/2023 