

product type designation

Wide-range power supply unit with US connecting cable

SIMATIC RF600 wide-range voltage supply for SIMATIC RF systems In: AC: 100-240 V Out: 24 V DC 3 A CE, UL, CSA degree of protection IP67 with power supply cable / connector US consisting of: 1x 6GT28980AC81 1x 6GT28980AC21.



type of current supply

Input: 100 to 230 V AC, output: 24 V DC / 3 A

suitability for use

Two readers can be connected directly. Robust and cast industrial power supply unit with high degree of protection for use directly at the process.

electrical data / input

voltage curve / at input	AC single phase
supply voltage / rated value	230 V
supply voltage / rated value	100 ... 240 V
type of voltage / of the supply voltage	AC
line frequency	
• 50 Hz	Yes
• 60 Hz	Yes

electrical data / output

voltage curve / at output	DC 24 V fixed voltage
output voltage	
• at DC / rated value	24 V
output current	
• rated value	3 A
• rated range	0 ... 3.9 A
efficiency in percent	90 %

electrical data / closed-loop control

relative overall tolerance / of the voltage	2 %
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electrical data / protection and monitoring

design of the overvoltage protection / at output	Uout nom +20 % typ.
property of the output / short-circuit proof	Yes
design of short-circuit protection	Permanent
enduring short circuit current / RMS value / maximum	3.9 A

electrical data / safety

galvanic isolation / between input and output	Yes
galvanic isolation	SELV / PELV according to EN 60950
operating resource protection class	Class II (protective insulation)

interfaces

number of electrical connections	
• for power supply	2
type of electrical connection	
• at input	US plug with 2 m connecting cable
• at output	2 x M12 4 pin, A-coded, female

signal inputs/outputs

product component / signaling contact	No
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design, dimensions and weights

width	85 mm
height	35 mm
depth	175 mm
net weight	0.96 kg
fastening method	4 screws M5
ambient conditions	
ambient temperature	
• during operation	-25 ... +75 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
• note	free convection
protection class IP	IP67
standards, specifications, approvals	
standard	
• for safety / from CSA and UL	EN 60950 / UL 60950 / CAN/CSA 22.2 950, 3 Edition
• for emitted interference	EN 61000-6-3, EN 55011 (Class B)
reference code	
• according to IEC 81346-2:2019	TBA
accessories	
accessories / included	Power supply un...T2898-0AC003
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	
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General Product Approval	



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