SIEMENS

Data sheet 6GK5791-2DC00-0AA0

product type designation	**Power Supply PS791-2DC**
	- - spare part - - Power Supply PS 791-2DC, DC/DC power supply unit, 10 W, IP65 (-40...+70 °C), input: 12 ... 24 V DC, output: 18 V DC, can only be used in connection with SCALANCE W786; scope of delivery: operating instructions, German/English.



product brand name	SCALANCE
type of current supply	10 W, input: 12-24 V DC, output:18 V DC
Technical Product Detail Page	https://i.siemens.com/1P6GK5791-2DC00-0AA0
electrical data / input	
supply voltage / 1 / rated value	12 V
● supply voltage / 1 / rated value	9 ... 32 V
● type of voltage / 1 / of the supply voltage	DC, safety extra-low voltage (SELV)
supply voltage / 2 / rated value	24 V
● supply voltage / 2 / rated value	9 ... 32 V
● type of voltage / 2 / of the supply voltage	DC, safety extra-low voltage (SELV)
buffering time / for rated value of the output current / in the event of power failure / minimum	14,4
electrical data / output	
output voltage	
● 1 / at DC / rated value	18 V
supplied active power / typical	14.4 W
electrical data / safety	
operating resource protection class	VDE 0805, VDE 0100
interfaces	
type of electrical connection	
● at input	4-pole screw-type terminal for DC power
● at output	4 pin connector
design, dimensions and weights	
width	133 mm
height	45 mm
depth	30 mm
net weight	0.223 kg
ambient conditions	
ambient temperature	
● during operation	-40 ... +70 °C
protection class IP	IP65
standards, specifications, approvals	
standard	
● for safety / from CSA and UL	EN 60950, UL 60950-1
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
standards, specifications, approvals / hazardous environments	
certificate of suitability / CCC / for hazardous zone according to GB standard	Yes; GB3836.1, GB3836.8

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certificate of suitability / CCC / for hazardous zone according to GB standard / as marking	Ex nA IIC T4 Gc

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

EG-Konf.	Declaration of Conformity	EAC	China RoHS	Manufacturer Declaration	UL

General Product Approval				EMV	For use in hazardous locations
RCM	EG-Konf.	China RoHS	UKCA	KC	ATEX

For use in hazardous locations			Radio Equipment Type Approval Certificate	Test Certificates	Maritime application
IECEx	FM	CCC-Ex	Miscellaneous	inspection certificate	BUREAU VERITAS

Maritime application

DNV	LRS	RINA	RMRS

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