

product type designation



Power Supply PS791-2DC

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.

type of current supply

10 W, input: 12-24 V DC, output: 18 V DC

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

- 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

reference code

- according to IEC 81346-2:2019

TCB

standards, specifications, approvals / hazardous environments

certificate of suitability / CCC / for hazardous zone according to GB standard

Yes; GB3836.1, GB3836.8

certificate of suitability / CCC / for hazardous zone according to GB standard / as marking

Ex nA IIC T4 Gc

further information / internet links

internet link	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a> <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
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Approvals / Certificates
General Product Approval



[Declaration of Con-  
formity](#)



General Product Ap- proval	EMV	For use in hazardous locations		Radio Equipment Type Approval Certi- ficate	Test Certificates
	<a href="#">KC</a>	<a href="#">FM</a>	<a href="#">CCC-Ex</a>	<a href="#">Miscellaneous</a>	<a href="#">inspection certificate</a>

Marine / Shipping					Environment
					<a href="#">Confirmation</a>

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