

### 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                                                                    | <a href="https://i.siemens.com/1P6GK5791-2DC00-0AA0">https://i.siemens.com/1P6GK5791-2DC00-0AA0</a> |
| <b>electrical data / input</b>                                                                   |                                                                                                     |
| <b>supply voltage / 1 / rated value</b>                                                          | 12 V                                                                                                |
| • supply voltage / 1 / rated value                                                               | 9 ... 32 V                                                                                          |
| • type of voltage / 1 / of the supply voltage                                                    | DC, safety extra-low voltage (SELV)                                                                 |
| <b>supply voltage / 2 / rated value</b>                                                          | 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                                                                                                |
| <b>electrical data / output</b>                                                                  |                                                                                                     |
| output voltage                                                                                   |                                                                                                     |
| • 1 / at DC / rated value                                                                        | 18 V                                                                                                |
| supplied active power / typical                                                                  | 14.4 W                                                                                              |
| <b>electrical data / safety</b>                                                                  |                                                                                                     |
| operating resource protection class                                                              | VDE 0805, VDE 0100                                                                                  |
| <b>interfaces</b>                                                                                |                                                                                                     |
| type of electrical connection                                                                    |                                                                                                     |
| • at input                                                                                       | 4-pole screw-type terminal for DC power                                                             |
| • at output                                                                                      | 4 pin connector                                                                                     |
| <b>design, dimensions and weights</b>                                                            |                                                                                                     |
| width                                                                                            | 133 mm                                                                                              |
| height                                                                                           | 45 mm                                                                                               |
| depth                                                                                            | 30 mm                                                                                               |
| net weight                                                                                       | 0.223 kg                                                                                            |
| <b>ambient conditions</b>                                                                        |                                                                                                     |
| ambient temperature                                                                              |                                                                                                     |
| • during operation                                                                               | -40 ... +70 °C                                                                                      |
| protection class IP                                                                              | IP65                                                                                                |
| <b>standards, specifications, approvals</b>                                                      |                                                                                                     |
| 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                                                                       |
| <b>standards, specifications, approvals / hazardous environments</b>                             |                                                                                                     |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>further information / internet links</b>                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| internet link <ul style="list-style-type: none"> <li>to website: Selection guide for cables and connectors</li> <li>to web page: selection aid TIA Selection Tool</li> <li>to website: Industrial communication</li> <li>to web page: SiePortal</li> <li>to website: Image database</li> <li>to website: CAX-Download-Manager</li> <li>to website: Industry Online Support</li> </ul> | <a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a><br><a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a><br><a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a><br><a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a><br><a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a><br><a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>security information</b>                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| security information                                                                                                                                                                                                                                                                                                                                                                  | <p>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 <a href="https://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a>. 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 <a href="https://www.siemens.com/cert">https://www.siemens.com/cert</a>. (V4.7)</p> |
| <b>Approvals / Certificates</b>                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>General Product Approval</b>                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <br>EG-Konf.                                                                                                                                                                                                                                                                                       | <a href="#">Declaration of Conformity</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <br>CCC                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <br>RCM                                                                                                                                                                                                                                                                                            | <br>EG-Konf.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
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|                                                                                                                                                                                                                                                                                                                                                                                       | <br>ATEX                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>For use in hazardous locations</b>                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <br>IECEX                                                                                                                                                                                                                                                                                          | <a href="#">FM</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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|                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">Miscellaneous</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|                                                                                                                                                                                                                                                                                                                                                                                       | <a href="#">inspection certificate</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
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| <b>Maritime application</b>                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <br>DNV                                                                                                                                                                                                                                                                                            | <br>LRS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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last modified:

3/10/2026 

