# SIEMENS

**Data sheet**

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**6GK5791-1PS00-0AA6**

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| product type designation | **Power Supply PS791-1PRO** |
|---|---|
| | Power Supply PS 791-1PRO, AC/DC power supply unit, 10 W, IP65 (-20 ...+50 °C), input: 90 ... 265 V AC, output: 24 V DC, metal enclosure; scope of delivery: AC power 3+PE cable connector, DC power cord M12 for direct connection to SCALANCE W-700 PRO and SCALANCE X-200 PRO, mounting hardware, operating instructions German/English. |



| | |
|---|---|
| type of current supply | 10 W, input: 90-265 V, output:24 V DC |
| **electrical data / input** | |
| supply voltage / at AC | 90 ... 265 V |
| buffering time / for rated value of the output current / in the event of power failure / minimum | 20 ms; at full load, 25°C |
| line frequency | 47 ... 63 Hz |
| **electrical data / output** | |
| output voltage / at DC / rated value | 24 V |
| relative symmetrical tolerance / of the output voltage | 7 % |
| output current | |
| ● rated value | 0.42 A |
| supplied active power / typical | 10 W |
| **electrical data / closed-loop control** | |
| switching frequency | 100 kHz |
| **interfaces** | |
| type of electrical connection | |
| ● at input | AC power 3+PE cable connector for AC 100-240 V supply |
| ● at output | M12 plug PRO or power cord M12 for DC 24 V output voltage |
| operator element version | On/Off switch |
| **design, dimensions and weights** | |
| width | 125 mm |
| height | 60 mm |
| depth | 130 mm |
| net weight | 0.7 kg |
| **ambient conditions** | |
| ambient temperature | |
| ● during operation | -20 ... +60 °C |
| ● during storage | -40 ... +85 °C |
| ● during transport | -40 ... +85 °C |
| protection class IP | IP65 |
| **standards, specifications, approvals** | |
| standard | |
| ● for safety / from CSA and UL | EN 60950 |
| Marine classification association | |
| ● French marine classification society (BV) | Yes |
| MTBF | 68.4 y; at full load, 25°C |
| ● reference temperature | 25 °C |
| ● percental operating load | 100 % |

| further information / internet-Links | |
|---|---|
| Internet-Link | |
| ● to web page: selection aid TIA Selection Tool | http://www.siemens.com/snst |
| ● to website: Industrial communication | http://www.siemens.com/simatic-net |
| ● to website: Industry Mall | https://mall.industry.siemens.com |
| ● to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| ● to website: Image database | http://automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | http://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |

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