

Product type designation

Power Supply PS791-1PRO

Power-Supply PS 791-1PRO, AC/DC power supply unit, 10 W, IP65 (-20 ...+50 °C), Input: AC 90 ... 265 V, 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

<ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • during operation 	-20 ... +60 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +85 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +85 °C
Protection class IP	IP65

Standards, specifications, approvals

Standard	
<ul style="list-style-type: none"> • for safety / from CSA and UL 	EN 60950
Marine classification association	
<ul style="list-style-type: none"> • Bureau Veritas (BV) 	Yes
MTBF	68.4 y; at full load, 25°C

Further information / Internet-Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
<ul style="list-style-type: none"> • to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> • to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
<ul style="list-style-type: none"> • to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • to website: CAx Download Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • to website: Industry Online Support 	https://support.industry.siemens.com

last modified: 05/08/2020