

product type designation

Power supply unit for charging station

SIMATIC RTLS accessory, power supply unit for charging cradle, 6GT2790-0DD10, with IEC plug-in connector C14, without power supply cable, in: AC: 100-240 V, 1.4 A, out: DC: 5 V, 6 A, hollow plug 2.1 / 5.5 mm.



type of current supply

Input: 90 to 264 V AC, output: 5 V DC / 6 A

Technical Product Detail Page

<https://l.siemens.com/1P6GT2790-0DD40>

suitability for use

For connecting to the charging cradle for RF4083T

suitability for operation

For connecting to suitable power grids; for the operation of an RTLS charging cradle

electrical data / input

voltage curve / at input

1-phase AC or DC

supply voltage / 1 / rated value

230 V

- supply voltage / 1 / rated value

90 ... 264 V

- type of voltage / 1 / of the supply voltage

AC/DC

line frequency

- 50 Hz

Yes

- 60 Hz

Yes

electrical data / output

voltage curve / at output

DC

output voltage

- 1 / at DC / rated value

5 V

output current

- rated value

6 A

- rated range

0 A

supplied active power / typical

30 W

efficiency in percent

85.5 %

electrical data / closed-loop control

relative overall tolerance / of the voltage

5 %

residual ripple / maximum

0.15 V

electrical data / protection and monitoring

property of the output / short-circuit proof

Yes

design of short-circuit protection

Permanent

enduring short circuit current / RMS value / maximum

9 A

electrical data / safety

galvanic isolation / between input and output

Yes

galvanic isolation

I/P-O/P, I/P-FG, O/P-FG:100 MOhm / 500 V DC / 25°C / 70% RH

operating resource protection class

Class I

interfaces

number of electrical connections

- for power supply

2

type of electrical connection

- at input

Schuko socket CEE 7/7 with 2 m connecting cable, at power supply IEC320-

<ul style="list-style-type: none"> • at output 	C14 AC Inlet P1J: ID 2.1 x OD 5.5 with 1 m cable
display version	LED for Power ON
signal inputs/outputs	
product component / signaling contact	No
design, dimensions and weights	
width	50 mm
height	31.5 mm
depth	125 mm
net weight	0.305 kg
fastening method	Desktop design
ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport 	-30 ... +70 °C -40 ... +85 °C -40 ... +85 °C
protection class IP	IP20
standards, specifications, approvals	
standard	
<ul style="list-style-type: none"> • for safety / from CSA and UL • for emitted interference • for interference immunity 	UL60950-1, TUV EN60950-1, BSMI CNS14336, CCC GB4943, J60950-1 approved EN55022 class B, EN61000-3-2,3, FCC PART 15 / CISPR22 class B, CNS13438 class B, GB9254, GB17625.1 EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A
MTBF	80 a; MIL-HDBK-217F(25°C)
accessories	
accessories	Connection cable for US or UK with IEC320-C14 connector, can be ordered directly via electronic retailer
accessories / included	Connecting cable for EU
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Industrial communication • to web page: SiePortal • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax 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	Environment



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