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Data sheet 6GT2811-6CC10-1AA0

product type designation



Reader RF615R FCC

SIMATIC RF600 Reader RF615R FCC; interfaces: 1 Ethernet / PROFINET M12; 1 integrated antenna + 1 ext. antenna port; 1 dig. input, 1 dig. output; 24 V DC; IP67;-25 to +55 °C without accessories.

product brand name	SIMATIC RF
Technical Product Detail Page	https://i.siemens.com/1P6GT2811-6CC10-1AA0
suitability for operation	RF600 Transponder, for direct connection to Ethernet, PROFINET, EtherNet/IP or PROFIBUS via communication module, OPC UA server integrated
radio frequencies	
operating frequency	902 ... 928 MHz
transmit power	3 ... 400 mW
equivalent isotropically radiated power	
● for each external antenna / maximum	1800 mW
● minimum	10 mW
● maximum	400 mW
range / maximum	4 m; With the internal antenna 1.6 m, extended ranges possible, see RF600 System Manual, range table: http://support.automation.siemens.com/WW/view/en/67384964
protocol / with radio transmission	EPCglobal Class 1 Gen 2 V2 / ISO/IEC 18000-62/-63
transfer rate / with radio transmission / maximum	400 kbit/s
product feature / multitag-capable	Yes
polarization	circular
electrical data	
transmission time / for user data	
● for write access / per byte / typical	2 ms
● for read access / per byte / typical	0.15 ms
interfaces	
number of external antennas	1
standard for interfaces / for communication	Ethernet, PROFINET, OPC UA, EtherNet/IP, RS422
type of electrical connection	
● for external antenna(s)	RP-TNC
● for supply voltage	M12, 8-pin, connector
● for communications interface	M12, 4-pin, d-coded
● at the digital inputs/outputs	M12, 5-pin, female connector
number of digital inputs	1
number of digital outputs	1
mechanical data	
material	Pocan
color	silver, TI-Grey
mounting distance / relating to metal surfaces / recommended / minimum	0 mm
supply voltage, current consumption, power loss	
supply voltage / at DC	

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● rated value	24 V
●	20 ... 30 V
consumed current / at DC	
● at 24 V / typical	0.2 A
● at 24 V / maximum	0.22 A
ambient conditions	
ambient temperature	
● during operation	-25 ... +55 °C
● during storage	-40 ... +85 °C
● during transport	-40 ... +85 °C
ambient condition / for operation	With operating temperature below -20 °C: Warming-up time at least 10 minutes
protection class IP	IP67
shock resistance	EN 60068-2-27, EN 60068-2-6
shock acceleration	250 m/s²
vibrational acceleration	30 m/s²
resistance to mechanical stress	The maximum values for shock and vibration acceleration must not occur as continuous stress and they apply exclusively to assembly using screws
design, dimensions and weights	
width	133 mm
height	133 mm
depth	45 mm
net weight	0.37 kg
fastening method	Vesa 100 with 4 x M4 screws
wire length	
● of antenna cable / minimum	1 m
● of antenna cable / maximum	40 m
product features, product functions, product components / general	
display version	LED bars with 6 LED and 1 circulating LED
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function / of the PROFINET IO device / is supported / H-Sync forwarding	No
protocol / is supported	
● LLDP	Yes
● PROFINET IO protocol	Yes
● TCP/IP	Yes
● SNMP v1	Yes
● SNMP v2	No
● SNMP v3	Yes
● DCP	Yes
● EtherNet/IP protocol	Yes
● OPC UA	Yes
product feature / silicon-free	Yes
product functions / management, configuration, engineering	
type of parameterization	HSP, GSDML, EDS, TO, WBM
type of programming	Ident profile, library with functions, OPC UA, XML
type of computer-switched communication	acyclic communication, TCP/IP
standards, specifications, approvals	
certificate of suitability	wireless according to FCC, IC (Canada), cULus, OPC UA: embedded UA Server Profile
certificate of suitability	
● IECEx	No
MTBF	29 a
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
● total	204.34 kg
● during manufacturing	71.5 kg
● during operation	131.97 kg

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● after end of life	0.87 kg
accessories	
accessories	One external antenna
further information / internet links	
internet link	
● to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to web page: RFID country approval	https://www.siemens.com/rfid-approvals
● to web page: identification and localization systems	https://www.siemens.com/ident
● to web page: SiePortal	https://sieportal.siemens.com/
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	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					EMV
EAC	UL	Declaration of Conformity	RCM	China RoHS	Declaration of Conformity

EMV	Radio Equipment Type Approval Certificate			Environment	Industrial Communication
KC	Industry Canada (IC)	Miscellaneous	Miscellaneous	EPD	PROFINET

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