

product type designation



Reader RF615R ETSI

SIMATIC RF600 Reader RF615R ETSI; 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.

Technical Product Detail Page

<https://i.siemens.com/1P6GT2811-6CC10-0AA0>

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	865 ... 868 MHz
transmit power	3 ... 400 mW
effective radiated power	
<ul style="list-style-type: none"> for each external antenna / maximum 	1100 mW
<ul style="list-style-type: none"> minimum 	10 mW
<ul style="list-style-type: none"> maximum 	200 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	
<ul style="list-style-type: none"> for write access / per byte / typical 	2 ms
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> for external antenna(s) 	RP-TNC
<ul style="list-style-type: none"> for supply voltage 	M12, 8-pin, connector
<ul style="list-style-type: none"> for communications interface 	M12, 4-pin, d-coded
<ul style="list-style-type: none"> 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	
<ul style="list-style-type: none"> 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/s ²
vibrational acceleration	30 m/s ²
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 RED directive, CE, IEC 62368, 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 [CO ₂ eq]	
• total	204.34 kg
• during manufacturing	71.5 kg
• during operation	131.97 kg
• 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
- to web page: selection aid TIA Selection Tool
- to web page: RFID country approval
- to web page: identification and localization systems
- 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/rfid-approvals>
<https://www.siemens.com/ident>
<https://sieportal.siemens.com/>
<https://www.automation.siemens.com/bilddb>
<https://www.siemens.com/cax>
<https://support.industry.siemens.com>

security information

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Approvals / Certificates

General Product Approval



EG-Konf.



[China RoHS](#)



[Declaration of Conformity](#)

General Product Approval

EMV

Radio Equipment Type Approval Certificate

Environment

Industrial Communication

[Type Examination Certificate](#)

[KC](#)

[Miscellaneous](#)



[PROFINET](#)

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