

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 accessory



Suitability for operation

RF600 Transponder, for direct connection to Ethernet, PROFINET, EtherNet/IP or PROFIBUS via communication module, OPC UA server integrated

Wireless frequencies

Operating frequency	865 ... 868 MHz
Transmit power	3 ... 400 mW
Effective radiant power • for each external antenna / maximum • minimum • maximum	1100 mW 10 mW 200 mW
Range / maximum	4 m; With the internal antenna 1 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
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 / Rated value	24 V
• at DC	20 ... 30 V
Consumed current / at DC / at 24 V	
• typical	0.2 A
• maximum	0.22 A

Permitted 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	500 m/s ²
Vibrational acceleration	200 m/s ²
Resistance to mechanical stress	The maximum stress of shock and vibration acceleration is guaranteed only in combination with the VESA mount

Design, dimensions and weight

Width	133 mm
Height	133 mm

Depth	45 mm
Net weight	0.37 kg
Mounting type	Vesa 100 with 4 x M4 screws
Wire length	
• of antenna cable / minimum	1 m
• of antenna cable / maximum	40 m

Product properties, functions, components / general

Display version	LED bars with 6 LED and 1 circulating LED
Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Protocol / is supported	
• LLDP	Yes
• TCP/IP	Yes
• SNMP v1	Yes
• SNMP v2	No
• SNMP v3	No
• DCP	Yes
• EtherNet/IP protocol	No
Product feature / silicon-free	Yes

Standards, specifications, approvals

Certificate of suitability	Wireless according to RED directive, CE, IEC 62368
MTBF	29 y

Accessories

accessories	One external antenna
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Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	https://support.industry.siemens.com/cs/ww/en/view/67384964
• to website: Industrial communication	http://www.siemens.com/ident/rfid
• 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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