SIEMENS

Data sheet 6GT2811-6BC10-0AA0

product type designation

Reader RF610R ETSI

SIMATIC RF600 Reader RF610R ETSI; Interfaces: 1 Ethernet / PROFINET M12; 1 integrated antenna; 24 V DC; IP67;-25 to +55 °C without accessories.

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
effective radiated power	
● minimum	10 mW
● maximum	200 mW
range / maximum	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	
standard for interfaces / for communication	Ethernet, PROFINET, OPC UA, EtherNet/IP, RS422
type of electrical connection	
● for supply voltage	M12, 8-pin, connector
● for communications interface	M12, 4-pin, d-coded
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
● 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	0.3 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	No
● DCP	Yes
● EtherNet/IP protocol	Yes
● OPC UA	Yes
product feature / silicon-free	Yes
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
further information / internet links	
internet link	
● to web page: selection aid TIA 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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