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Data sheet 6GT2811-6BC10-2AA0

product type designation	**Reader RF610R CMIIT**
	SIMATIC RF600 Reader RF610R CMIIT; 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	920 ... 925 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
●	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

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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	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 acc. to CMIIT, OPC UA: embedded UA Server Profile
certificate of suitability	
● IECEx	No
MTBF	29 a
reference code	
● according to IEC 81346-2:2019	BYB
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
● after end of life	0.87 kg
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	

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Approvals / Certificates

General Product Approval				EMV	Radio Equipment Type Approval Certificate
EAC	China RoHS	UL	Declaration of Conformity	KC	Miscellaneous

Environment	Industrial Communication
EPD	PROFINET

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