SIEMENS

Data sheet 6GT2811-5BA00-0AA1

product type designation

RF620R ETSI reader



- - spare part - - SIMATIC RF600 Reader RF620R ETSI for UHF frequencies in Europe, with internal antenna; interfaces: RS-422 for TIA integration, 1 (R-TNC) for external antenna (usable as an alternative to the internal antenna); IP65, -25 to +55 °C; max. limit distance: 2 m (without accessories).

product brand name	SIMATIC RF
suitability for operation	RF600 transponder, for connecting to communication modules
radio frequencies	
operating frequency	865 ... 868 MHz
transmit power	65 ... 500 mW
effective radiated power	
● for each external antenna / maximum	1200 mW
● minimum	65 mW
● maximum	800 mW
range / maximum	5 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 / ISO 18000-6C
transfer rate / with radio transmission / maximum	320 kbit/s
product feature / multitag-capable	Yes
polarization	circular
electrical data	
transfer rate / at the point-to-point connection / serial / maximum	115.2 kbit/s
transmission time / for user data	
● for write access / per byte / typical	6.3 ms
● for read access / per byte / typical	1 ms
interfaces	
standard for interfaces / for communication	RS422
type of electrical connection	M12, 8-pin
● for communications interface	M12, 8-pin
mechanical data	
material	Aluminum, ABS (GF20)
color	silver/pastel turquoise
mounting distance / relating to metal surfaces / recommended / minimum	0 mm
supply voltage, current consumption, power loss	
supply voltage / at DC	
● rated value	24 V
●	21.6 ... 30 V
consumed current / at DC	
● at 24 V / typical	0.395 A
● at 24 V / maximum	0.47 A
ambient conditions	
ambient temperature	

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● 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	IP65
shock resistance	EN 60068-2-27, EN 60068-2-6
shock acceleration	500 m/s²
vibrational acceleration	200 m/s²
design, dimensions and weights	
width	193 mm
height	252 mm
depth	52 mm
net weight	1.93 kg
fastening method	4 x M6 screws, Vesa 100 with 4 x M4 screws
wire length	
● of antenna cable / minimum	1 m
● of antenna cable / maximum	40 m
● for RS 422 interface / maximum	100 m
product features, product functions, product components / general	
display version	3-color LED
product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	Wireless according to R&TTE guideline, CE, IEC 60950
certificate of suitability	
● IECEx	No
MTBF	19 a
accessories	
accessories	optional: External antenna
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● 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

Approvals / Certificates

General Product Approval					EMV
CE EG-Konf.	EAC	China RoHS	Manufacturer Declaration	UL	KC

Radio Equipment Type Approval Certificate

Miscellaneous

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