SIEMENS

Data sheet   6GT2811-5BA00-0AA0

Product type designation	RF620R ETSI reader
	SIMATIC RF600 READER RF620R ETSI; INTERFACE RS422 FOR TIA- INTEGRATION WITH INTEGRATED ANTENNA IP65, -25 UO TO +55 DEG C (WITHOUT ACCESSORIES)

Suitability for operation	RF600 transponder, for connecting to communication modules

Wireless frequencies	
Operating frequency	865 ... 868 MHz
Effective radiant power	
• minimum	65 mW
• maximum	800 mW

Electrical data	
Range / maximum	5 m
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
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
• at DC	21.6 ... 30 V
Consumed current / at DC / at 24 V	
• typical	0.395 A
• maximum	0.47 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	IP65
Shock resistance	EN 60068-2-27, EN 60068-2-6
Shock acceleration	500 m/s²
Vibrational acceleration	200 m/s²

Design, dimensions and weight

Width	193 mm
Height	252 mm
Depth	52 mm
Net weight	1.85 kg
Mounting type	4 x M6 screws, Vesa 100 with 4 x M4 screws
Wire length	
• for RS 422 interface / maximum	100 m

Product properties, functions, 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

MTBF	18 y

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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