SIEMENS

Product type designation	RF630R reader ETSI
	SIMATIC RF600 Reader RF630R ETSI; Interface RS422 for TIA integration connection of max. 2 external Antennas IP65, -25 to +55 °C without accessories and antennas

Suitability for operation	RF600 transponder, for connecting to communication modules

Wireless frequencies	
Operating frequency	865 ... 868 MHz
Transmit power	65 ... 500 mW
Effective radiant power	
• for each external antenna / maximum	1200 mW
Range / maximum	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 / ISO 18000-6C
Transfer rate / with radio transmission / maximum	320 kbit/s
Product feature / multitag-capable	Yes

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	
Number of external antennas	2
Standard for interfaces / for communication	RS422
Type of electrical connection	
● for external antenna(s)	RP-TNC
● for communications interface	M12, 8-pin

Mechanical data	
Material	Aluminum, ABS (GF20)
Color	silver/anthracite
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	1.77 kg
Mounting type	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 properties, functions, components / general	
Display version	3-color LED

07/10/2019

Product feature / silicon-free	Yes

Standards, specifications, approvals

Certificate of suitability	Wireless according to R&TTE guideline, CE, IEC 60950
MTBF	19 y

Accessories

accessories	up to 2 external antennas

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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