

Product type designation

RF380R reader

SIMATIC RF300 Reader RF380R (GEN2) RS422/232 interface (3964R) IP67, -10 to +60 °C, 160x 80x 41 mm with integrated antenna



Wireless frequencies

Operating frequency / Rated value	13.56 MHz
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Electrical data

Range / maximum	200 mm; Range is dependent on transponder type: observe http://support.automation.siemens.com/WW/view/en/67384964
Transfer rate / with radio transmission / maximum	106 kbit/s
Product feature / multitag-capable	No
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	0.13 ms
• for read access / per byte / typical	0.13 ms

Interfaces

Standard for interfaces / for communication	RS422/RS232
Type of electrical connection	M12, 8-pin

Mechanical data

Material	PA 12
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Tightening torque / of the screw for securing the equipment / maximum	1.5 N·m
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	20.4 ... 28.8 V
Consumed current / at DC / at 24 V	
• typical	0.15 A

Permitted ambient conditions

Ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
Protection class IP	IP67
Shock resistance	EN 60721-3-7, Class 7 M2
Shock acceleration	500 m/s ²
Vibrational acceleration	200 m/s ²

Design, dimensions and weight

Width	80 mm
Height	41 mm
Depth	160 mm
Net weight	0.6 kg
Mounting type	4 x M5 screws
Wire length	
• with RS 232 interface / maximum	30 m
• for RS 422 interface / maximum	1000 m

Product properties, functions, components / general

Product feature / silicon-free	Yes
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Accessories

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>

last modified:

04/11/2018