SIEMENS

Product type designation

RF310R reader

SIMATIC RF300; READER RF310R (GEN2); WITH RS422
INTERFACE (3964R); IP 67, -25 UP TO +70 DEG/C, 55 X 75 X 30
MM, WITH INTEGRATED ANTENNA

Wireless frequencies	
Operating frequency / Rated value	13.56 MHz

Electrical data	
Range / maximum	60 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
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	0.06 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/s²
Vibrational acceleration	200 m/s²

Design, dimensions and weight

Width	55 mm
Height	30 mm
Depth	75 mm
Net weight	0.2 kg
Mounting type	4 x M5 screws
Wire length	
• for RS 422 interface / maximum	1000 m

Product properties, functions, components / general

Product feature / silicon-free	Yes

Standards, specifications, approvals

Certificate of suitability	Wireless according to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, UL/CSA
MTBF	273 y

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

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