

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; SPECIAL VERSION WITH ROTATED BASE PLATE (90 DEG)



Wireless frequencies

Operating frequency / Rated value	13.56 MHz
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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	
<ul style="list-style-type: none"> • at DC / Rated value • at DC 	24 V 20.4 ... 28.8 V
Consumed current / at DC / at 24 V	
<ul style="list-style-type: none"> • typical 	0.06 A

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport 	-25 ... +70 °C -40 ... +85 °C -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	75 mm
Height	30 mm
Depth	55 mm
Net weight	0.2 kg
Mounting type	4 x M5 screws
Wire length	
<ul style="list-style-type: none"> • for RS 422 interface / maximum 	1000 m

Product properties, functions, components / general

Product feature / silicon-free	Yes
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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	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall 	https://support.industry.siemens.com/cs/ww/en/view/67384964 http://www.siemens.com/ident/rfid https://mall.industry.siemens.com

- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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