

### Product type designation

### RF310R reader

SIMATIC RF300 READER RF310R (RF300+ISO15693) WITH RS422-INTERFACE (3964R) IP 67, -25 UP TO +70 DGR/C, 55 X 75 X 30 MM, WITH INTEGRATED ANTENNA



### Suitability for operation

RF300 and ISO 15693 Transponder (MDS Dxxx), for connecting to communication modules

### 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/WWW/view/en/67384964>

Protocol / with radio transmission

RF300-specific, ISO 15693, ISO 18000-3

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
- for read access / per byte / typical

0.13 ms

0.13 ms

### Interfaces

Standard for interfaces / for communication

RS422

Type of electrical connection

M12, 8-pin

Mechanical data	
Material	PA 12
Color	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	20.4 ... 28.8 V
Consumed current / at DC / at 24 V	
• typical	0.05 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 <sup>2</sup>
Vibrational acceleration	200 m/s <sup>2</sup>
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	
Display version	3-color LED
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	154 y
Further Information / Internet Links	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	<a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a>
• to website: Industrial communication	<a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a>

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

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

<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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