

### Product type designation

### RF210R reader

SIMATIC RF200 READER RF210R; RS422-INTERFACE (3964R); IP 67, -25 UP TO +70 DGR/C; M18 X 71 MM; WITH INTEGRATED ANTENNA.



### Suitability for operation

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

### Wireless frequencies

#### Operating frequency / Rated value

13.56 MHz

### Electrical data

#### Range / maximum

20 mm; Range is dependent on transponder type: observe <http://support.automation.siemens.com/WW/view/en/67384964>

#### Protocol / with radio transmission

ISO 15693, ISO 18000-3

#### Transfer rate / with radio transmission / maximum

26.5 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

0.6 ms

0.6 ms

### Interfaces

#### Standard for interfaces / for communication

RS422

#### Type of electrical connection

M12, 8-pin

Mechanical data	
Material	Brass, nickel-plated / PBT
Color	silver/pastel turquoise
Tightening torque / of the screw for securing the equipment / maximum	20 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"> <li>• at DC / Rated value</li> <li>• at DC</li> </ul>	24 V 20.4 ... 28.8 V
Consumed current / at DC / at 24 V	
<ul style="list-style-type: none"> <li>• typical</li> </ul>	0.05 A

Permitted ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	-20 ... +70 °C -25 ... +80 °C -25 ... +80 °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	
Height	83 mm
Diameter	18 mm
Net weight	0.065 kg
Mounting type	2 x M18 nuts (included in scope of supply)
Wire length	
<ul style="list-style-type: none"> <li>• for RS 422 interface / maximum</li> </ul>	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 EN300 330 and EN 301489, FCC, UL/CSA
MTBF	505 y

Further Information / Internet Links	
Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> </ul>	<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
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/ident/rfid>

<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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