

Product type designation

RF280R reader

SIMATIC RF200 Reader RF280R RS422 interface (3964R) IP67, -10 to +60 °C, 160x 80x 41 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

200 mm; Range depends on transponder: Note <http://support.automation.siemens.com/WW/view/en/67384965>

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

- for communications interface

M12, 8-pin

Mechanical data

Material	PA 12
Color	Ti gray
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	0.13 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	
• 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	Radio according to R&TTE guidelines EN300 330 and EN 301489, FCC, cULus
MTBF	173 y

Accessories

Further Information / Internet Links

Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- 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

<https://support.industry.siemens.com/cs/ww/en/view/67384964>

<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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