

Product type designation

RF250R reader ASCII

SIMATIC RF200 READER RF250R W. RS232-INTERFACE (ASCII)
WITHOUT ANTENNA IP 65, -25 UP TO +70 DGR/C, 50 X 50 X 30
MM, OPERATING WITH: ANT 8,12,18,30



Suitability for operation

ISO 15693 Transponder (MDS Dxxx), for connecting to PC- and control systems

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>

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

1.2 ms

1.2 ms

Interfaces

Number of external antennas

1

Standard for interfaces / for communication

RS232

Type of electrical connection	
• for external antenna(s) • for communications interface	M8, 4-pin M12, 8-pin
Mechanical data	
Material	PA6.6
Color	anthracite
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 • at DC	24 V 20.4 ... 28.8 V
Consumed current / at DC / at 24 V	
• typical	0.05 A
Permitted ambient conditions	
Ambient temperature	
• during operation • during storage • during transport	-20 ... +70 °C -25 ... +80 °C -25 ... +80 °C
Protection class IP	IP65
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	50 mm
Height	30 mm
Depth	50 mm
Net weight	0.06 kg
Mounting type	2 x M5 screws
Wire length	
• with RS 232 interface / maximum	30 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	430 y

Accessories

accessories

Various antennas are available

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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