

### product type designation

### RF240R reader ASCII

SIMATIC RF200 Reader RF240R; RS232 interface (ASCII/Scanmode); IP67, -25 to +70 °C; 50x 50x 30 mm; with integrated antenna



### suitability for operation

ISO 15693 transponder (MDS Dxxx), for connecting to PC and control systems (incl. Scan Mode)

### radio frequencies

operating frequency / rated value

13.56 MHz

range / maximum

65 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

### electrical data

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

standard for interfaces / for communication

RS232

type of electrical connection

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	
<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

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 weights	
width	50 mm
height	30 mm
depth	50 mm
net weight	0.06 kg
fastening method	2 x M5 screws
wire length	
<ul style="list-style-type: none"> <li>• with RS 232 interface / maximum</li> </ul>	30 m

product features, product functions, product 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
certificate of suitability	
<ul style="list-style-type: none"> <li>• IECEx</li> </ul>	No
MTBF	430 y

#### further information / internet-Links

Internet-Link

- to website: Selector TIA 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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