

### product type designation



### RF240R reader

SIMATIC RF200 Reader RF240R; RS422 interface (3964R); IP67, -25 to +70 °C; 50x 50x 30 mm; with integrated antenna.

### suitability for operation

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

### radio frequencies

operating frequency / rated value	13.56 MHz
range / maximum	65 mm; Range is dependent on transponder type: observe <a href="http://support.automation.siemens.com/WW/view/en/67384964">http://support.automation.siemens.com/WW/view/en/67384964</a>
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	0.6 ms
• for read access / per byte / typical	0.6 ms

### interfaces

standard for interfaces / for communication	RS422
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 / at DC	
• rated value	24 V
•	20.4 ... 28.8 V
consumed current / at DC	
• at 24 V / typical	0.05 A

### ambient conditions

ambient temperature	
• during operation	-20 ... +70 °C
• during storage	-25 ... +80 °C
• during transport	-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>for RS 422 interface / maximum</li> </ul>	1000 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 a

**standards, specifications, approvals / Environmental Product Declaration**

Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
<ul style="list-style-type: none"> <li>total</li> <li>during manufacturing</li> <li>during operation</li> <li>after end of life</li> </ul>	124.25 kg 11.24 kg 112.71 kg 0.3 kg

**further information / internet links**

internet link	
<ul style="list-style-type: none"> <li>to website: Image database</li> <li>to website: Industry Online Support</li> </ul>	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>


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**Approvals / Certificates**

General Product Approval	EMV	Radio Equipment Type Approval Certificate
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[Manufacturer Declaration](#)



[KC](#)
[other radio approvals](#)

**Radio Equipment Type Approval Certificate Environment**

[FCC](#)
[other radio approvals](#)
[Confirmation](#)


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