

SIMATIC RF1000 Access Control Reader RF1040R; LF 125 kHz, HITAG 1/2/S, EM41xx, HF, ISO 14443 A/B, ISO15693; USB port inc. RS 232 interface; IP65 front, -25 to +55 °C 90 x 62 x 25 mm LxWxH; with integrated antenna, incl. 1.8 m USB connecting cable



Radio frequencies	
Operating frequency	0.125 ... 13.56 MHz
Range / maximum	30 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>
Transfer rate / with radio transmission / maximum	424 kbit/s
Product feature / multitag-capable	Yes
Electrical data	
Transfer rate / at the point-to-point connection / serial / maximum	115.2 kbit/s
Interfaces	
Standard for interfaces / for communication	USB 2.0, RS232
Type of electrical connection	1.8 m connecting cable with USB 2.0 type A connector or RS232 connecting cable
Mechanical data	
Material	PC-GF
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
<b>Supply voltage, current consumption, power loss</b>	
Supply voltage	5 V
<ul style="list-style-type: none"> <li>• at DC / Rated value</li> <li>• at DC</li> </ul>	4.6 ... 5.25 V
Consumed current / at DC / at 24 V	0.15 A
<ul style="list-style-type: none"> <li>• typical</li> <li>• maximum</li> </ul>	0.3 A
<b>Ambient conditions</b>	
Ambient temperature	-25 ... +55 °C
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	-25 ... +55 °C
Protection class IP	IP65, on front after cabinet installation, IP20 rear
Shock resistance	EN 60721-3-7 Class 7 M2
Shock acceleration	300 m/s <sup>2</sup>
Vibration acceleration	50 m/s <sup>2</sup>
<b>Design, dimensions and weights</b>	
Width	90 mm
Height	62 mm
Depth	23.5 mm
Net weight	0.12 kg
Mounting type	4 M4 screws for cabinet installation
<b>Product features, product functions, product components / general</b>	
Display version	3-color LED
Product feature / silicon-free	Yes
<b>Standards, specifications, approvals</b>	
Certificate of suitability	Radio according to R&TTE guidelines EN300 330 and EN 301489, FCC, cULus
Certificate of suitability	No
<ul style="list-style-type: none"> <li>• IECEx</li> </ul>	No
<b>Accessories</b>	
Accessories	Card holder, USB cable 0.5 m, RS232 connector
<b>Further information / Internet-Links</b>	
Internet-Link	<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL <a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a></li> <li>• to website: Industrial communication <a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a></li> <li>• to website: Industry Mall <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a></li> </ul>

- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

**last modified:**

07/20/2020