

### Product type designation

### Reader RF1070R USB/RS232

SIMATIC RF1000 Access control reader RF1070R; ISO 14443 A/B Mifare, ISO15693 Legic Prime; Legic Advant USB port; 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



### Suitability for operation

Legic, ISO 15693 and ISO 14443 A/B transponder, for connecting to PC and control systems

### Radio frequencies

Operating frequency / Rated value

13.56 MHz

Range / maximum

30 mm; Range is dependent on transponder type: observe <http://support.automation.siemens.com/WW/view/en/67384964>

Transfer rate / with radio transmission / maximum

106 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

#### 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>	5 V 4.6 ... 5.25 V
Consumed current / at DC / at 24 V	
<ul style="list-style-type: none"> <li>• typical</li> <li>• maximum</li> </ul>	0.15 A 0.3 A

#### Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	-25 ... +55 °C -25 ... +55 °C -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>
Vibrational acceleration	50 m/s <sup>2</sup>

#### Design, dimensions and weights

Width	90 mm
Height	62 mm
Depth	23.5 mm
Net weight	0.12 kg
Mounting type	4 M4 screws for cabinet installation

#### 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>	Yes

#### accessories

accessories	Card holder, USB cable 0.5 m, RS232 connector
-------------	---

#### Further information / Internet-Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a>

- 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

<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>

**last modified:**

05/12/2020