

### product type designation

### Reader RF1070R OEM USB/RS232

SIMATIC RF1000 Access control reader; RF1070R OEM variant; ISO 14443 A/B Mifare, ISO15693, Legic Prime, Legic Advant; Interfaces USB a. RS232; IP65 front, -25 to +55 °C; 90 x 62 x 25 mm LxWxH; With integrated antenna, incl. 1.8 m USB connecting cable, neutral front foil without company logo enclosed



### suitability for operation

Legic, ISO 15693 and ISO 14443 A/B transponder, for connecting to PC and control systems, for front panels with customer-specific design

### radio frequencies

operating frequency / rated value	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>
protocol / with radio transmission	Legic Prime, Legic Advant, ISO 15693, ISO 14443 A/B, chip set: SM4200M, Felica, NXP NTAG21x, HID iClass
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
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### 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
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> </ul>	5 V
<ul style="list-style-type: none"> <li>at DC</li> </ul>	4.6 ... 5.25 V
consumed current / at DC	
<ul style="list-style-type: none"> <li>at 5 V / typical</li> </ul>	0.15 A
<ul style="list-style-type: none"> <li>at 5 V / maximum</li> </ul>	0.3 A

### ambient conditions

ambient temperature	
<ul style="list-style-type: none"> <li>during operation</li> </ul>	-25 ... +55 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-25 ... +55 °C
<ul style="list-style-type: none"> <li>during transport</li> </ul>	-25 ... +55 °C
protection class IP	IP65
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
fastening method	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 <ul style="list-style-type: none"> <li>• IECEX</li> </ul>	No
<b>further information / internet links</b>	
internet link <ul style="list-style-type: none"> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAx-Download-Manager</li> <li>• to website: Industry Online Support</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> <a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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