

### product type designation

### Reader RF1040R USB/RS232

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 .



### suitability for operation

HiTag 1/2/S, EM4xxx, ISO 15693 and ISO 14443 A/B transponder, for connecting to PC and control systems

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>
protocol / with radio transmission	HiTag 1/2/S, EM41xx/45xx, EKS key, ISO 15693, ISO 14443 A/B, Felica, NXP NTAG21x, HID iClass
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
supply voltage, current consumption, power loss	
supply voltage	
• at DC / rated value	5 V
• at DC	4.6 ... 5.25 V
consumed current / at DC	
• at 5 V / typical	0.15 A
• at 5 V / maximum	0.3 A
ambient conditions	
ambient temperature	
• during operation	-25 ... +55 °C
• during storage	-25 ... +55 °C
• during transport	-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>
<b>design, dimensions and weights</b>	
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> <li>• for IECEx / as marking</li> </ul>	Yes EX: II 3G Ex ec IIC T4 Gc, II 3D Ex tc IIIC T80 °C Dc
<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 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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