

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 http://support.automation.siemens.com/WW/view/en/67384964
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
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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
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 ²
vibrational acceleration	50 m/s ²
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
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">• IECEx• for IECEx / as marking	Yes EX: II 3G Ex ec IIC T4 Gc, II 3D Ex tc IIIC T80 °C Dc
accessories	
accessories	Card holder, USB cable 0.5 m, RS232 connector
further information / internet-Links	
Internet-Link <ul style="list-style-type: none">• to web page: selection aid TIA Selection Tool• 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	https://support.industry.siemens.com/cs/ww/en/view/67384964 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:	12/18/2020 