

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, including 1.8 m USB connecting cable BLE



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	0.03 m; Range is dependent on transponder type: observe http://support.automation.siemens.com/WW/view/en/67384964
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	titanium gray
mounting distance / relating to metal surfaces / recommended / minimum	0 mm

supply voltage, current consumption, power loss

supply voltage / at DC	
• rated value	5 V
•	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 professional gluing of the included front label and cabinet installation, IP20 rear
shock resistance	EN 60721-3-7 Class 7 M2
shock acceleration	300 m/s²
vibrational acceleration	50 m/s²

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 • IECEx	No
reference code • according to IEC 81346-2:2019	BYB
accessories	
accessories	card holder, USB cable 0.5 m, table/wall box, clean room cover, BLE license, HID license
further information / internet links	
internet link • to web page: selection aid TIA Selection Tool • to web page: RFID country approval • to web page: identification and localization systems • to web page: SiePortal • to website: Image database • to website: CAX-Download-Manager • to website: Industry Online Support	https://www.siemens.com/tstcloud https://www.siemens.com/rfid-approvals https://www.siemens.com/ident https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
security information	
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Approvals / Certificates

General Product Approval	Radio Equipment Type Approval Certificate		
 EG-Konf.		 RCM	Industry Canada (IC)
			Miscellaneous
			Miscellaneous

Radio Equipment Type Approval Certificate

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last modified:

9/12/2024 