



SIMATIC RF1000 Access Control Reader RF1140R; LF 125 kHz, HITAG 1/2/S, EM41xx, HF, ISO 14443 A/B, ISO15693; Power over Ethernet, 24 V RJ45 IP65 front, -25 to +55 °C; 90 x 62 x 25 mm LxWxH; with integrated antenna, .

suitability for operation

HiTag 1/2/S, EM4xxx, ISO 15693 and ISO 14443 A/B transponder, for connection in the system landscape

radio frequencies

operating frequency	0.125 ... 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	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

interfaces

standard for interfaces / for communication	TCP IP (XML) / ModbusTCP / RJ 45
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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	24 V
•	20 ... 30 V

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	45.5 mm
net weight	0.17 kg
fastening method	4 stud bolts M4 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
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certificate of suitability	
• IECEx	No
reference code	
• according to IEC 81346-2:2019	BYB
accessories	
accessories	card holder, clean room cover, HID license card
further information / internet links	
internet link	
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to web page: RFID country approval	https://www.siemens.com/rfid-approvals
• to web page: identification and localization systems	https://www.siemens.com/ident
• to web page: SiePortal	https://sieportal.siemens.com/
• to website: Image database	https://www.automation.siemens.com/bilddb
• to website: CAX-Download-Manager	https://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
security information	
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Approvals / Certificates	
General Product Approval	
Radio Equipment Type Approval Certificate	
 EG-Konf.   RCM Miscellaneous Miscellaneous FCC	

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