

product type designation

RF240R reader

-- spare part -- SIMATIC RF200 Reader RF240R; RS-232 interface (3964R); IP67, -25 to +70 °C; 50x 50x 30 mm; with integrated antenna.



product brand name	SIMATIC RF
suitability for operation	ISO 15693 Transponder (MDS Dxxx), for connecting to PC systems (3964R protocol)

radio frequencies

operating frequency / rated value	13.56 MHz
range / maximum	65 mm; Range is dependent on transponder type: observe http://support.automation.siemens.com/WW/view/en/67384964
protocol / with radio transmission	ISO 15693, ISO 18000-3
transfer rate / with radio transmission / maximum	26.5 kbit/s
product feature / multitag-capable	No

electrical data

transfer rate / at the point-to-point connection / serial / maximum	115.2 kbit/s
transmission time / for user data	
• for write access / per byte / typical	0.6 ms
• for read access / per byte / typical	0.6 ms

interfaces

standard for interfaces / for communication	RS232
type of electrical connection	M12, 8-pin

mechanical data

material	PA6.6
color	anthracite
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	24 V
•	20.4 ... 28.8 V
consumed current / at DC	
• at 24 V / typical	0.05 A

ambient conditions

ambient temperature	
• during operation	-20 ... +70 °C
• during storage	-25 ... +80 °C
• during transport	-25 ... +80 °C
protection class IP	IP67
shock resistance	EN 60721-3-7 Class 7 M2
shock acceleration	500 m/s ²

vibrational acceleration	200 m/s ²
design, dimensions and weights	
width	50 mm
height	30 mm
depth	50 mm
net weight	0.06 kg
fastening method	2 x M5 screws
wire length	30 m
• with RS 232 interface / maximum	
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
MTBF	430 a
further information / internet links	
internet link	
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• 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

Approvals / Certificates

General Product Approval






[China RoHS](#)



General Product Approval	EMV	Radio Equipment Type Approval Certificate
		
		Miscellaneous FCC Miscellaneous

Radio Equipment Type Approval Certificate	Environment
Miscellaneous	

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