

product type designation

RF280R reader

SIMATIC RF200 Reader RF280R RS422 interface (3964R) IP67, -10 to +60 °C, 160x 80x 41 mm with integrated antenna.



suitability for operation

ISO 15693 Transponder (MDS Dxxx), for connecting to communication modules

radio frequencies

operating frequency / rated value	13.56 MHz
range / maximum	200 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	RS422
type of electrical connection	M12, 8-pin
• for communications interface	M12, 8-pin

mechanical data

material	PA 12
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	24 V
•	20.4 ... 28.8 V
consumed current / at DC	
• at 24 V / typical	0.13 A

ambient conditions

ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
protection class IP	IP67
shock resistance	EN 60721-3-7 Class 7 M2
shock acceleration	500 m/s²
vibrational acceleration	200 m/s²

design, dimensions and weights	
width	80 mm
height	41 mm
depth	160 mm
net weight	0.6 kg
fastening method	4 x M5 screws
wire length	
• for RS 422 interface / maximum	1000 m
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	173 a
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
Global Warming Potential [CO2 eq]	
• total	124.25 kg
• during manufacturing	11.24 kg
• during operation	112.71 kg
• after end of life	0.3 kg
further information / internet links	
internet link	
• to website: Image database	https://www.automation.siemens.com/bilddb
• 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	Environment
	other radio approvals	Confirmation
 EG-Konf.	KC	

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