

product type designation

RF280R reader

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



product brand name

SIMATIC RF

Technical Product Detail Page

<https://l.siemens.com/1P6GT2821-8AC10>

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

titanium 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/s ²
vibrational acceleration	200 m/s ²
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	96.7 kg
• during manufacturing	10.7 kg
• during operation	85.7 kg
• after end of life	0.3 kg
further information / internet links	
internet link	
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358
• 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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