

product type designation

RF382R reader

SIMATIC RF300 reader RF382R (ISO scan mode) RS 422/232 interface IP67, -25 to +70 °C, 160x 80x 41 mm with integrated special antenna .



product brand name

SIMATIC RF

Technical Product Detail Page

<https://l.siemens.com/1P6GT2801-3AB20-0AX0>

suitability for operation

RF300 and ISO 15693 Transponder (MDS Dxxx), lateral antenna field, for serial connection to control systems (Scan Mode)

radio frequencies

operating frequency / rated value

13.56 MHz

range / maximum

75 mm; Range adjustable in reader via transmission power, range is dependent on transponder type: observe <http://support.automation.siemens.com/WW/view/en/67384964>

protocol / with radio transmission

RF300-specific, ISO 15693, ISO 18000-3

transfer rate / with radio transmission / maximum

106 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 read access / per byte / typical

0.13 ms

interfaces

standard for interfaces / for communication

RS422/RS232

type of electrical connection

M12, 8-pin

mechanical data

material

PA 12

color

anthracite

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

0.16 A

ambient conditions

ambient temperature

- during operation
- during storage
- during transport

-25 ... +70 °C
-40 ... +85 °C
-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	
• with RS 232 interface / maximum	30 m
• 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 acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus
certificate of suitability	
• IECEX	No
MTBF	109 a

standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	116.4 kg
• during manufacturing	10.7 kg
• during operation	105.4 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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Approvals / Certificates	
General Product Approval	



[China RoHS](#)



General Product Approval	EMV	Radio Equipment	Environment
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[Manufacturer Declaration](#)



[Miscellaneous](#)



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