

Product type designation

RF382R reader

SIMATIC RF300 reader RF382R (ISO scan mode) RS422/232 interface IP67, -25 to +70 °C, 160x 80x 41 mm with integrated special antenna



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 <ul style="list-style-type: none"> • 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	
<ul style="list-style-type: none"> • at DC / Rated value • at DC 	24 V 20.4 ... 28.8 V
Consumed current / at DC / at 24 V	
<ul style="list-style-type: none"> • typical 	0.16 A

Ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> • 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/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
Mounting type	4 x M5 screws
Wire length	
<ul style="list-style-type: none"> • with RS 232 interface / maximum • for RS 422 interface / maximum 	30 m 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	
<ul style="list-style-type: none"> • IECEX 	No
MTBF	109 y

Further information / Internet-Links	
Internet-Link	

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

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<https://support.industry.siemens.com/cs/ww/en/view/67384964>

<http://www.siemens.com/ident/rfid>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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