

Product type designation

RF382R reader

SIMATIC RF300 READER RF382R (ISO-SCANMODE) RS422/232-
INTERFACE IP 67, -10 UP TO +60 DGR/C, 160 X 80 X 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)

Wireless frequencies

Operating frequency / Rated value

13.56 MHz

Electrical data

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 property / multitag-capable

No

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 0.13 ms
- 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	
• for DC / Rated value	24 V
• for DC	20.4 ... 28.8 V
Consumed current / for DC / at 24 V	
• typical	0.16 A

Permitted 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
Resistance against vibration	200 m/s ²

Design, dimensions and weight

Width	80 mm
Height	41 mm
Depth	160 mm
Net weight	0.6 kg
Mounting type	4 x M5 screws
Cable length	
• with RS 232 interface / maximum	30 m
• for RS 422 interface / maximum	1000 m

Product properties, functions, components / general

Display version	3-color LED
Product property / silicon-free	Yes

Standards, specifications, approvals

Certificate of suitability	Wireless according to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, UL/CSA
MTBF	109 y

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/automation/net/catalog
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

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