

### Product type designation

### RF380R reader

SIMATIC RF300 READER RF380R (RF300+ISO15693) RS422/232-INTERFACE (3964R) IP 67, -10 UP TO +60 DGR/C, 160 X 80 X 41 MM WITH INTEGRATED ANTENNA



### Suitability for operation

RF300 and ISO 15693 Transponder (MDS Dxxx), for connecting to communication modules and PC systems

### Wireless frequencies

#### Operating frequency / Rated value

13.56 MHz

### Electrical data

#### Range / maximum

200 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

#### 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
- for read access / per byte / typical

0.13 ms

0.13 ms

### Interfaces

#### Standard for interfaces / for communication

RS422/RS232

Type of electrical connection	M12, 8-pin
<b>Mechanical data</b>	
Material	PA 12
Color	anthracite
Mounting distance / relating to metal surfaces / recommended / minimum	0 mm
<b>Supply voltage, current consumption, power loss</b>	
Supply voltage	
• at DC / Rated value	24 V
• at DC	20.4 ... 28.8 V
Consumed current / at DC / at 24 V	
• typical	0.16 A
<b>Permitted ambient conditions</b>	
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 <sup>2</sup>
Vibrational acceleration	200 m/s <sup>2</sup>
<b>Design, dimensions and weight</b>	
Width	80 mm
Height	41 mm
Depth	160 mm
Net weight	0.6 kg
Mounting type	4 x M5 screws
Wire length	
• with RS 232 interface / maximum	30 m
• for RS 422 interface / maximum	1000 m
<b>Product properties, functions, components / general</b>	
Display version	3-color LED
Product feature / silicon-free	Yes
<b>Standards, specifications, approvals</b>	
Certificate of suitability	Wireless according to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, UL/CSA, Ex: II 3G Ex nC IIB T5
MTBF	109 y
<b>Further Information / Internet Links</b>	
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

**last modified:**

<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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