

### Product type designation

### RF350R reader

SIMATIC RF300 READER RF350R (RF300+ISO) WITH RS422-INTERFACE (3964R) WITHOUT ANTENNA IP 65, -25 UP TO +70 DGR/C, 75 X 75 X 41 MM, OPERATION WITH: MOBY E ANT 1, 12, 18, 30



Suitability for operation	RF300 and ISO 15693 Transponder (MDS Dxxx), for connecting to communication modules
<b>Wireless frequencies</b>	
Operating frequency / Rated value	13.56 MHz
<b>Electrical data</b>	
Range / maximum	140 mm; Range is dependent on transponder type: observe <a href="http://support.automation.siemens.com/WWW/view/en/67384964">http://support.automation.siemens.com/WWW/view/en/67384964</a>
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	0.13 ms
• for read access / per byte / typical	0.13 ms
<b>Interfaces</b>	
Number of external antennas	1
Standard for interfaces / for communication	RS422

Type of electrical connection	
<ul style="list-style-type: none"> <li>• for external antenna(s)</li> <li>• for communications interface</li> </ul>	M8, 4-pin 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"> <li>• at DC / Rated value</li> <li>• at DC</li> </ul>	24 V 20.4 ... 28.8 V
Consumed current / at DC / at 24 V	
<ul style="list-style-type: none"> <li>• typical</li> </ul>	0.1 A

### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	-25 ... +70 °C -40 ... +85 °C -40 ... +85 °C
Protection class IP	IP65
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>

### Design, dimensions and weight

Width	75 mm
Height	41 mm
Depth	75 mm
Net weight	0.25 kg
Mounting type	2 x M5 screws
Wire length	
<ul style="list-style-type: none"> <li>• of antenna cable / fixed value</li> <li>• for RS 422 interface / maximum</li> </ul>	3 m 1000 m

### Product properties, functions, components / general

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

### Standards, specifications, approvals

Certificate of suitability	Wireless according to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, UL/CSA, Ex: II 3G Ex nA nC IIB T5, II 3D Ex tD A22 IP6x T80°C
MTBF	140 y

## Accessories

accessories

Various antennas are available

## 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

<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>

**last modified:**

07/03/2017