

### Product type designation

### RF350R reader

SIMATIC RF300; Reader RF350R (GEN2); RS422 interface (3964R); without antenna IP65, -25 to +70 °C, 75x 75x 41 mm, can be operated with: ANT 1, 3, 3 NO, 8, 12, 18, 30



Suitability for operation	RF300, ISO 15693 and MOBY E transponder, for connecting to communication modules
<b>Radio frequencies</b>	
Operating frequency / Rated value	13.56 MHz
Range / maximum	140 mm; Range is dependent on transponder type: observe <a href="http://support.automation.siemens.com/WW/view/en/67384964">http://support.automation.siemens.com/WW/view/en/67384964</a>
Protocol / with radio transmission	RF300 specific, ISO 15693, ISO 18000-3, ISO 14443
Transfer rate / with radio transmission / maximum	106 kbit/s
Product feature / multitag-capable	No
<b>Electrical data</b>	
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	Ti gray
Tightening torque / of the screw for securing the equipment / maximum	1.5 N·m
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>	0.06 A

### 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 weights

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 features, product functions, product components / general

Display version	5-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	260 y

accessories	
accessories	Various antennas are available

### Further information / Internet-Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAx Download Manager</li> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a>  <a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a> <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a> <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a> <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

**last modified:** 05/12/2020