

Product type designation

RF340R reader

SIMATIC RF300 READER RF340R (RF300+ISO15693) WITH RS422-INTERFACE (3964R) IP 67, -25 UP TO +70 DGR/C, 75 X 75 X 41 MM WITH INTEGRATED ANTENNA



Suitability for operation	RF300 and ISO 15693 Transponder (MDS Dxxx), for connecting to communication modules
Wireless frequencies	
Operating frequency / Rated value	13.56 MHz
Electrical data	
Range / maximum	140 mm; Range is dependent on transponder type: observe http://support.automation.siemens.com/WWW/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	
<ul style="list-style-type: none"> • 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
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	
• at DC / Rated value	24 V
• at DC	20.4 ... 28.8 V
Consumed current / at DC / at 24 V	
• typical	0.1 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
Vibrational acceleration	200 m/s ²
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	
• for RS 422 interface / maximum	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
Further Information / Internet Links	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	https://support.industry.siemens.com/cs/ww/en/view/67384964

- 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

<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