

### 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<br><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                                                                                                                                                       |
| Transfer rate / with radio transmission / maximum                      | 106 kbit/s                                                                                                                                                                                   |
| Product feature / multitag-capable                                     | No                                                                                                                                                                                           |
| Transfer rate / at the point-to-point connection / serial<br>/ 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      |
| 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 <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                                                            |                                                                                                                                       |
| • 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                      | <a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a> |

- 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:**

<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>

07/03/2017 