

### product type designation



### RF240R reader

SIMATIC RF200 Reader RF240R; RS422 interface (3964R); IP67, -25 to +70 °C; 50x 50x 30 mm; with integrated antenna.

### suitability for operation

ISO 15693 Transponder (MDS Dxxx), for connecting to communication modules

### radio frequencies

|   |  |
|---|--|
| operating frequency / rated value                 | 13.56 MHz  |
| range / maximum                                   | 65 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                | ISO 15693, ISO 18000-3   |
| transfer rate / with radio transmission / maximum | 26.5 kbit/s  |
| product feature / multitag-capable                | No   |

### electrical data

|   |              |
|---|--------------|
| 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"> <li>for write access / per byte / typical</li> </ul> | 0.6 ms       |
| <ul style="list-style-type: none"> <li>for read access / per byte / typical</li> </ul>  | 0.6 ms       |

### interfaces

|   |            |
|---|------------|
| standard for interfaces / for communication | RS422      |
| type of electrical connection               | M12, 8-pin |

### mechanical data

|  |            |
|--|------------|
| material   | PA6.6      |
| color  | anthracite |
| 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> </ul> | 24 V            |
| <ul style="list-style-type: none"> <li>at DC</li> </ul>               | 20.4 ... 28.8 V |
| consumed current / at DC  |                 |
| <ul style="list-style-type: none"> <li>at 24 V / typical</li> </ul>   | 0.05 A          |

### ambient conditions

|  |                         |
|--|-------------------------|
| ambient temperature  |                         |
| <ul style="list-style-type: none"> <li>during operation</li> </ul> | -20 ... +70 °C          |
| <ul style="list-style-type: none"> <li>during storage</li> </ul>   | -25 ... +80 °C          |
| <ul style="list-style-type: none"> <li>during transport</li> </ul> | -25 ... +80 °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 weights

|  |   |
|--|---|
| width  | 50 mm   |
| height   | 30 mm   |
| depth  | 50 mm   |
| net weight   | 0.06 kg   |
| fastening method   | 2 x M5 screws   |
| wire length  |   |
| • for RS 422 interface / maximum   | 1000 m  |
| <b>product features, product functions, product components / general</b> |   |
| display version  | 3-color LED   |
| product feature / silicon-free   | Yes   |
| <b>standards, specifications, approvals</b>                              |   |
| certificate of suitability   | Radio according to R&TTE guidelines EN300 330 and EN 301489, FCC, cULus   |
| certificate of suitability   |   |
| • IECEX  | No  |
| MTBF   | 430 a   |
| <b>further information / internet links</b>                              |   |
| internet link  |   |
| • to web page: selection aid TIA 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                                   | <a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a>   |
| • to website: Industry Mall  | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>   |
| • to website: Information and Download Center                            | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>                                   |
| • to website: Image database   | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>   |
| • to website: CAX-Download-Manager                                       | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>   |
| • to website: Industry Online Support                                    | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>   |

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