

product type designation



RF260R reader IO-Link

SIMATIC RF200 reader RF260R IO-Link interface V1.1; IP67, -25 to +70 °C; 75x 75x 40 mm; with integrated antenna 32 Byte IO; 230 Kbps

suitability for operation

ISO 15693 transponder (MDS Dxxx), for connecting to IO-Link Master V1.1

radio frequencies

| | |
|---|---|
| operating frequency / rated value | 13.56 MHz |
| range / maximum | 135 mm; Range is dependent on transponder type: observe http://support.automation.siemens.com/WW/view/en/67384964 |
| 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 | 230 kbit/s |
| transmission time / for user data | |
| • for write access / per byte / typical | 3.3 ms |
| • for read access / per byte / typical | 2.4 ms |
| data volume / of the address range of the inputs / total | 32 byte |
| data volume / of the address range of the outputs / total | 32 byte |

interfaces

| | |
|---|--------------|
| standard for interfaces / for communication | IO-Link V1.1 |
| type of electrical connection | M12, 4-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 | |
| • at DC / rated value | 24 V |
| • at DC | 20.4 ... 28.8 V |
| consumed current / at DC | |
| • at 24 V / typical | 0.05 A |

ambient conditions

| | |
|---------------------|----------------|
| ambient temperature | |
| • during operation | -20 ... +70 °C |
| • during storage | -25 ... +80 °C |

| | |
|--|---|
| <ul style="list-style-type: none"> during transport | -25 ... +80 °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 weights | |
| width | 75 mm |
| height | 41 mm |
| depth | 75 mm |
| net weight | 0.2 kg |
| fastening method | 2 x M5 screws |
| wire length <ul style="list-style-type: none"> between master and IO-Link device / maximum | 20 m |
| product features, product functions, product components / general | |
| display version | 3-color LED |
| product feature / silicon-free | Yes |
| standards, specifications, approvals | |
| certificate of suitability | Radio according to R&TTE guidelines EN300 330 and EN 301489, FCC, cULus |
| certificate of suitability <ul style="list-style-type: none"> IECEX | No |
| MTBF | 480 y |
| further information / internet-Links | |
| Internet-Link <ul style="list-style-type: none"> to web page: selection aid TIA 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 |

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