SIEMENS

## Data sheet 6GT2821-6AC32

**product type designation**




**RF260R reader IO-Link**

SIMATIC RF200 reader RF260R IO-Link; IO-Link interface; IP67, -25 to +70 °C; 75x 75x 40 mm; with integrated antenna 8 byte IO; 38.4 Kbit/s.

| | |
|---|---|
| suitability for operation | ISO 15693 transponder (MDS Dxxx), for connecting to IO-Link Master V1.0 |
| **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 | 38.4 kbit/s |
| transmission time / for user data | |
| ● for write access / per byte / typical | 40 ms |
| ● for read access / per byte / typical | 40 ms |
| data volume / of the address range of the inputs / total | 8 byte |
| data volume / of the address range of the outputs / total | 8 byte |
| **interfaces** | |
| standard for interfaces / for communication | IO-Link V1.0 |
| 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 |
| ● during transport | -25 ... +80 °C |
| protection class IP | IP67 |
| shock resistance | EN 60721-3-7 Class 7 M2 |
| shock acceleration | 500 m/s² |
| vibrational acceleration | 200 m/s² |


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| | |
|---|---|
| **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 | |
| ● 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 | |
| ● IECEx | No |
| MTBF | 480 a |
| **further information / internet links** | |
| internet link | |
| ● to web page: selection aid TIA Selection Tool | https://support.industry.siemens.com/cs/ww/en/view/67384964 |
| ● to website: Industrial communication | http://www.siemens.com/ident/rfid |
| ● to website: Industry Mall | https://mall.industry.siemens.com |
| ● to website: Information and Download Center | http://www.siemens.com/industry/infocenter |
| ● to website: Image database | http://automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | http://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |

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