# SIEMENS

**Data sheet**            **6GT2002-0HD01**

| product type designation | **RF170C communication module** |
|---|---|
|  | RFID communication module RF170C for Installation in ET 200pro; Basic module for connection of 2 readers; with RS422 or RS232 without connection block. |
| suitability for operation | ET 200pro distributed I/O together with RF200/300/1000, MV300/400/500, MOBY D/E/I/U and RS-232 devices |

| transfer rate | |
|---|---|
| transfer rate / at the point-to-point connection / serial / maximum | 115.2 kbit/s |

| interfaces | |
|---|---|
| design of the interface / for point-to-point connection | RS422/RS232 via connection block |
| number of readers / connectable | 2 |
| type of electrical connection | |
| ● of the backplane bus | ET 200pro backplane bus |
| ● of the PROFIBUS interface | (according to the head module) |
| ● of Industrial Ethernet interface | (according to the head module) |
| ● for supply voltage | ET 200pro backplane bus |
| design of the interface / to the reader / for communication | Internal plug to the connection block |

| mechanical data | |
|---|---|
| material | Thermoplastic (Valox 467, fiberglass reinforced) |
| color | IP Basic 714 |
| tightening torque / of the screw for securing the equipment / maximum | 1.5 N·m |

| supply voltage, current consumption, power loss | |
|---|---|
| supply voltage / at DC | |
| ● rated value | 24 V |
| ● | 20 ... 30 V |
| consumed current | |
| ● at DC / at 24 V / without connected devices / typical | 0.13 A |
| ● from supply voltage 1L+ / maximum | 1 A |

| ambient conditions | |
|---|---|
| ambient temperature | |
| ● during operation | -25 ... +55 °C |
| ● during storage | -40 ... +70 °C |
| ● during transport | -40 ... +70 °C |
| protection class IP | IP67 |
| shock resistance | According to IEC 61131-2 |
| shock acceleration | 300 m/s² |
| vibrational acceleration | 100 m/s² |

| design, dimensions and weights | |
|---|---|
| width | 90 mm |
| height | 130 mm |
| depth | 35 mm |
| net weight | 0.27 kg |

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| | |
|---|---|
| fastening method | ET 200pro rack |
| wire length / for RS 422 interface / maximum | 1000 m |

| **product features, product functions, product components / general** | |
|---|---|
| display version | (see connection block) |
| product function / addressable transponder file handler | No |
| protocol / is supported | |
| ● S7 communication | Yes |

| **product functions / management, configuration, engineering** | |
|---|---|
| type of parameterization | HSP |
| type of programming | FB 45, FB 55, ID profile, library with functions, (FC 45/55 with restricted functionality) |
| type of computer-switched communication | acyclic communication |

| **standards, specifications, approvals** | |
|---|---|
| certificate of suitability | CE, FCC, cULus |
| MTBF | 77 a |
| reference code | |
| ● according to IEC 81346-2:2019 | KEC |
| product function / is supported / identification link | No |

| **standards, specifications, approvals / Environmental Product Declaration** | |
|---|---|
| Environmental Product Declaration | Yes |
| Global Warming Potential [CO2 eq] | |
| ● total | 101.43 kg |
| ● during manufacturing | 16 kg |
| ● during operation | 85.3 kg |
| ● after end of life | 0.13 kg |

| **accessories** | |
|---|---|
| accessories | Connection block for RF170C |

| **further information / internet links** | |
|---|---|
| internet link | |
| ● to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 |
| ● to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud |
| ● to web page: identification and localization systems | https://www.siemens.com/ident |
| ● to web page: SiePortal | https://sieportal.siemens.com/ |
| ● to website: Image database | https://www.automation.siemens.com/bilddb |
| ● to website: CAx-Download-Manager | https://www.siemens.com/cax |
| ● to website: Industry Online Support | https://support.industry.siemens.com |

| **security information** | |
|---|---|
| security information | Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry. Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under https://www.siemens.com/cert. (V4.7) |

## Approvals / Certificates

### General Product Approval

[Declaration of Conformity](#)

CE EG-Konf.    UKCA    CCC    EAC    RCM

### Environment

Confirmation

EPD

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