

### Product type designation

### RF170C communication module

RFID COMMUNICATION MODULES RF170C FOR MOUNTING IN ET 200PRO; BASIC MODULE FOR CONNECTING 2 READER WITH RS422 OR RS232 WITHOUT CONNECTING BLOCK



### Suitability for operation

Dezentrale Peripherie ET 200pro together with RF200/300/600, MV300/400, MOBY D/E/I/U and RS232 devices

### Transmission 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 <ul style="list-style-type: none"> <li>• of the backplane bus</li> <li>• of the PROFIBUS interface</li> <li>• of Industrial Ethernet interface</li> <li>• for supply voltage</li> </ul> | ET 200pro backplane bus<br>(according to the head module)<br>(according to the head module)<br>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                                                            |
| <b>Supply voltage, current consumption, power loss</b>                |                                                                    |
| Supply voltage                                                        |                                                                    |
| • at DC / Rated value                                                 | 24 V                                                               |
| • at DC                                                               | 20 ... 30 V                                                        |
| Consumed current / at DC / at 24 V                                    |                                                                    |
| • without connected devices / typical                                 | 0.13 A                                                             |
| • with connected devices / maximum                                    | 1 A                                                                |
| <b>Permitted ambient conditions</b>                                   |                                                                    |
| 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/s <sup>2</sup>                                               |
| Vibrational acceleration                                              | 100 m/s <sup>2</sup>                                               |
| <b>Design, dimensions and weight</b>                                  |                                                                    |
| Width                                                                 | 90 mm                                                              |
| Height                                                                | 130 mm                                                             |
| Depth                                                                 | 35 mm                                                              |
| Net weight                                                            | 0.27 kg                                                            |
| Mounting type                                                         | ET 200pro rack                                                     |
| Wire length / for RS 422 interface / maximum                          | 1000 m                                                             |
| <b>Product properties, functions, components / general</b>            |                                                                    |
| Display version                                                       | (see connection block)                                             |
| Product function / transponder file handler can be addressed          | No                                                                 |
| Protocol / is supported                                               |                                                                    |
| • S7 communication                                                    | Yes                                                                |
| Type of parameterization                                              | HSP                                                                |
| Type of programming                                                   | FB 45, FB 55, ident profile, (FC 45/55 with limited functionality) |
| Type of computer-mediated communication                               | acyclic communication                                              |
| <b>Standards, specifications, approvals</b>                           |                                                                    |
| Certificate of suitability                                            | CE, FCC, cULus                                                     |
| MTBF                                                                  | 77 y                                                               |
| <b>Accessories</b>                                                    |                                                                    |
| accessories                                                           | Connection block for RF170C                                        |
| <b>Further Information / Internet Links</b>                           |                                                                    |

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| Internet-Link                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</li> <li>• to website: Industry Mall</li> <li>• to website: Information and Download Center</li> <li>• to website: Image database</li> <li>• to website: CAx Download Manager</li> <li>• to website: Industry Online Support</li> </ul> | <a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a><br><br><a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a><br><a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a><br><a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a><br><a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a><br><a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a><br><a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a> |

| Security information |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
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