

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

| | |
|---|--|
| 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 |
| standards, specifications, approvals / Environmental Product Declaration | |
| Environmental Product Declaration | Yes |
| Global Warming Potential [CO2 eq] | |
| • total | 112.73 kg |
| • during manufacturing | 15.07 kg |
| • during operation | 97.62 kg |
| • after end of life | 0.042 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 |
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| security information | |
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