

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.

Technical Product Detail Page

<https://i.siemens.com/1P6GT2002-0HD01>

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	Yes
• 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
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	
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