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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

Environment

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Confirmation

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