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Product type designation	RF182C communication module
	RFID communication module RF182C for Ethernet TCP/IP; 2 readers can be connected; without connection block for Ethernet TCP/IP

Suitability for operation	Industrial Ethernet Netzwerk together with RF200/300/600, MOBY D/U

Transmission rate	
Transfer rate / for Industrial Ethernet	10 ... 100 Mbit/s
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
Number of readers / connectable	2
Type of electrical connection	
• of Industrial Ethernet interface	(according to the connection block)
• for supply voltage	(according to the connection block)
Design of the interface / to the reader / for communication	M12, 8-pin

Mechanical data	
Material	Thermoplastic (Valox 467, fiberglass reinforced)
Color	IP Basic 714

Tightening torque / of the screw for securing the equipment / maximum	3 N·m

Supply voltage, current consumption, power loss

Supply voltage	
• at DC / Rated value	24 V
• at DC	20 ... 30 V
Consumed current / at DC / at 24 V	
• without connected devices / typical	0.1 A
• with connected devices / maximum	1.1 A

Permitted ambient conditions

Ambient temperature	
• during operation	0 ... 60 °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 weight

Width	60 mm
Height	30 mm
Depth	210 mm
Net weight	0.21 kg
Mounting type	2 x M5 screws
Wire length / for RS 422 interface / maximum	1000 m

Product properties, functions, components / general

Display version	4 LEDs per reader connection, 4 LEDs for device status
Protocol / is supported / Media Redundancy Protocol (MRP)	No
Product function / transponder file handler can be addressed	No
Protocol / is supported	
• LLDP	No
• PROFINET IO protocol	No
• TCP/IP	Yes
• SNMP v1	Yes
• SNMP v2	No
• SNMP v3	No
• DCP	Yes
• EtherNet/IP protocol	No
Type of parameterization	XML

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Type of programming	XML commands
Type of computer-mediated communication	XML

Standards, specifications, approvals

Certificate of suitability	CE, FCC, cULus
MTBF	121 y

Accessories

accessories	Connection block M12 d-coded, 7/8" 5-pin or push-pull or M12 d-coded, 7/8" 4-pin

Further Information / Internet Links

Internet-Link

- • to website: Selector SIMATIC NET SELECTION TOOL

  https://support.industry.siemens.com/cs/ww/en/view/67384964

- • to website: Industrial communication

  http://www.siemens.com/ident/rfid

- • to website: Industry Mall

  https://mall.industry.siemens.com

- • to website: Information and Download Center

  http://www.siemens.com/industry/infocenter

- • to website: Image database

  http://automation.siemens.com/bilddb

- • to website: CAx Download Manager

  http://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 security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action(e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit http://www.siemens.com/industrialsecurity. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit http://support.automation.siemens.com. (V3.4)

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