

Product type designation

Communication module RFID 181EIP

RFID communication module RFID181EIP for Ethernet/IP; 2 readers can be connected; without connection block for Ethernet/IP



Transfer 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	
<ul style="list-style-type: none"> • of Industrial Ethernet interface • for supply voltage 	(according to the connection block) (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

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/s ²
Vibrational acceleration	100 m/s ²

Design, dimensions and weights

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 features, product functions, product 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	Yes
Protocol / is supported	
• LLDP	No
• PROFINET IO protocol	No
• TCP/IP	No
• SNMP v1	Yes
• SNMP v2	No
• SNMP v3	No
• DCP	Yes
• EtherNet/IP protocol	Yes
• OPC UA	No

Product functions / management, configuration, engineering

Type of parameterization	EDS file
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Type of programming	Data records via implicit/explicit messages
Type of computer-mediated communication	Implicit/explicit messaging
Standards, specifications, approvals	
Certificate of suitability	CE, FCC, cULus
Certificate of suitability • IECEX	No
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	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL • to website: Industrial communication • to website: Industry Mall • to website: Information and Download Center • to website: Image database • to website: CAx Download Manager • to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/67384964 http://www.siemens.com/ident/rfid https://mall.industry.siemens.com http://www.siemens.com/industry/infocenter http://automation.siemens.com/bilddb http://www.siemens.com/cax https://support.industry.siemens.com
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