

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

suitability for operation

Ethernet/IP network together with RF200/300/600, MV400/500, MOBY D/E/I/U

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 • 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 • at DC	24 V 20 ... 30 V
consumed current / at DC / at 24 V • without connected devices / typical • with connected devices / maximum	0.1 A 1.1 A

ambient conditions

ambient temperature • during operation • during storage • during transport	0 ... 60 °C -40 ... +70 °C -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
fastening method	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 / addressable transponder file handler	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
type of programming	Data records via implicit/explicit messages
type of computer-switched 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	
• to web page: selection aid TIA 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	
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