

### Product type designation



### Communication module RFID 181EIP

RFID COMMUNICATION MODULE RFID181EIP FOR ETHERNET/IP; 2 READERS CONNECTABLE; W/O CONNECTING BLOCK FOR ETHERNET/IP

### Suitability for operation

Ethernet/IP Netzwerk together with RF200/300/600, MOBY D/E/I/U, MV

### 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 <ul style="list-style-type: none"> <li>• of Industrial Ethernet interface</li> <li>• for supply voltage</li> </ul>	(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 <ul style="list-style-type: none"> <li>• for DC / Rated value</li> <li>• for DC</li> </ul>	24 V 20 ... 30 V
Consumed current / for DC / at 24 V	

- without connected devices / typical
- with connected devices / maximum

0.1 A

1.1 A

### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> </ul>	0 ... 60 °C
<ul style="list-style-type: none"> <li>• during storage</li> </ul>	-40 ... +70 °C
<ul style="list-style-type: none"> <li>• during transport</li> </ul>	-40 ... +70 °C
Protection class IP	IP67
Shock resistance	According to IEC 61131-2
Shock acceleration	300 m/s <sup>2</sup>
Resistance against vibration	100 m/s <sup>2</sup>

### Design, dimensions and weight

Width	60 mm
Height	30 mm
Depth	210 mm
Net weight	0.21 kg
Mounting type	2 x M5 screws
Cable 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
<ul style="list-style-type: none"> <li>• Protocol / is supported / Media Redundancy Protocol (MRP)</li> </ul>	No
<ul style="list-style-type: none"> <li>• Product function / transponder file handler can be addressed</li> </ul>	Yes
Protocol / is supported	
<ul style="list-style-type: none"> <li>• LLDP</li> </ul>	No
<ul style="list-style-type: none"> <li>• PROFINET IO protocol</li> </ul>	No
<ul style="list-style-type: none"> <li>• TCP/IP</li> </ul>	No
<ul style="list-style-type: none"> <li>• EtherNet/IP protocol</li> </ul>	Yes
Type of parameterization	EDS file
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
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
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### Further Information / Internet Links

Internet-Link	
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- 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

<http://www.siemens.com/snst>

<http://www.siemens.com/simatic-net>

<https://mall.industry.siemens.com>

<http://www.siemens.com/automation/net/catalog>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

## Security information

### Security information

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**last modified:**

09.03.2015