

Product-type designation

Communication module RFID 181EIP



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

Transmission rate

Transmission rate

- | | |
|---|-------------------|
| • with Industrial Ethernet | 10 ... 100 Mbit/s |
| • at point-to-point connection / serial / maximum | 115.2 kbit/s |

Interfaces

- | | |
|--|-------------------------------------|
| Design of interface / for point-to-point connection | RS422 |
| Number of readers / connectable | 2 |
| Design of electrical connection | |
| • the Industrial Ethernet Interface | (according to the connection block) |
| • for supply voltage | (according to the connection block) |
| Version 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 screw for mounting the equipment / maximum | 3 N·m |

Supply voltage, current consumption, power loss

Supply voltage / for DC

- | | |
|---------------|------|
| • rated value | 24 V |
| • minimum | 20 V |
| • maximum | 30 V |

Current consumed	
• at 24 V / with DC / without connected devices / typical	0.1 A
• with DC / at 24 V / with connected devices / maximum	1.1 A
Permitted ambient conditions	
Ambient temperature	
• during operating	0 ... 60 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Resistance against shock	According to IEC 61131-2
Resistance against shock	300 m/s²
Resistance against vibration	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
Cable length / for RS 422 interface / maximum	1000 m
Product properties, functions, components / general	
Type of display	4 LEDs per reader connection, 4 LEDs for device status
Product function	
• Media Redundancy Protocol (MRP)	No
• transponder file handler can be addressed	Yes
Protocol / is supported	
• LLDP	No
• PROFINET IO protocol	No
• TCP/IP	No
• EtherNet/IP protocol	Yes
Product functions / management, configuration	
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	
Verification of suitability	CE, FCC, cULus
MTBF	121 a
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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