SIEMENS

Data sheet
6GT2002-0JE50

Product type designation	RF186CI communication module
	RFID communication module RF186CI for PROFINET; Ethernet, 2 readers can be connected; DI/DO interface

Suitability for operation	IE / PN network together with RF200/300 MV400/500 and digital IO

Transfer rate	
Transfer rate / for Industrial Ethernet	10 ... 100 Mbit/s
Transfer rate / at the point-to-point connection / serial / maximum	921.6 kbit/s

Interfaces	
Design of the interface / for point-to-point connection	RS422/RS232
Number of readers / connectable	2
Type of electrical connection	
• of Industrial Ethernet interface	M12, d-coded
• for supply voltage	M12, L-coded
Design of the interface / to the reader / for communication	M12, 8-pin
Type of electrical connection / at the digital inputs/outputs	M12, A-coded, for connection of IO-Link expansion modules
Number of digital inputs	8
Number of digital outputs	8

Mechanical data

Material	Thermoplastic (Valox 467, fiberglass reinforced)
Color	Al-grey 2001
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	20.4 ... 28.8 V
Consumed current / at DC / at 24 V	
• without connected devices / typical	0.13 A
• with connected devices / maximum	4 A
Continuous current / for loop-through to further bus nodes / at DC / maximum	12 A

Ambient conditions

Ambient temperature	
• during operation	-25 ... +55 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Protection class IP	IP67
Shock resistance	according to IEC 60068-2-27 and IEC 60068-2-6
Shock acceleration	300 m/s²
Vibrational acceleration	40 m/s²

Design, dimensions and weights

Width	60 mm
Height	45 mm
Depth	165 mm
Net weight	0.26 kg
Mounting type	2 M4 screws
Wire length / for RS 422 interface / maximum	1000 m

Product features, product functions, product components / general

Display version	2 LEDs per reader connection, 3 LEDs for device status, 2 LEDs for Ethernet ports
Protocol / is supported / Media Redundancy Protocol (MRP)	Yes
Product function / of the PROFINET IO device / is supported / H-Sync forwarding	No
Product function / transponder file handler can be addressed	No
Protocol / is supported	
• LLDP	Yes
• PROFINET IO protocol	Yes

● TCP/IP	Yes
● SNMP v1	Yes
● SNMP v2	No
● SNMP v3	No
● DCP	Yes
● EtherNet/IP protocol	No
● OPC UA	Yes
Product feature / silicon-free	Yes

Product functions / management, configuration, engineering

Type of parameterization	HSP, TO, WBM
Type of programming	ID profile, library with functions, FB 45, OPC UA
Type of computer-mediated communication	Non-cyclic communication, TCP/IP

Standards, specifications, approvals

Certificate of suitability	
● IECEx	No
MTBF	65 y

accessories

accessories	IO-Link modules K20 for digital IO expansion

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

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