

Product type designation

RF120C communication module

RFID communication module RF120C for SIMATIC S7-1200; 1 reader connectable; RS-422



Suitability for operation	SIMATIC S7-1200 together with RF200/300/600, MV400, MOBY D/U
Transfer rate	
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	1
Type of electrical connection	
<ul style="list-style-type: none"> • of the backplane bus • for supply voltage 	S7-1200 backplane bus Screw terminals
Design of the interface / to the reader / for communication	sub-D, 9-pin, female
Mechanical data	
Material	Xantar MX 1094
Color	Ti-grey 24L01
Tightening torque / of the screw for securing the equipment / maximum	0.45 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	0.03 A
• with connected devices / maximum	1 A

Ambient conditions

Ambient temperature	
• during operation	0 ... 55 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
Protection class IP	IP20
Shock resistance	According to IEC 61131-2
Shock acceleration	300 m/s ²
Vibrational acceleration	100 m/s ²

Design, dimensions and weights

Width	30 mm
Height	100 mm
Depth	75 mm
Net weight	0.15 kg
Mounting type	S7-1200 rack
Wire length / for RS 422 interface / maximum	1000 m

Product features, product functions, product components / general

Display version	4 LEDs for reader connection, 1 LED for device status
Product function / transponder file handler can be addressed	No
Protocol / is supported	
• S7 communication	Yes

Product functions / management, configuration, engineering

Type of parameterization	HSP
Type of programming	ID profile, library with functions
Type of computer-mediated communication	acyclic communication

Standards, specifications, approvals

Certificate of suitability	
• IECEx	Yes
MTBF	196 y

Further information / Internet-Links

Internet-Link	
---------------	--

- 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>

Security information

Security information

Siemens provides products and solutions with industrial security functions that support the secure operation of plants, solutions, machines, equipment and/or networks. They are important components in a holistic industrial security concept. With this in mind, Siemens' products and solutions undergo continuous development. Siemens recommends strongly that you regularly check for product updates. For the secure operation of Siemens products and solutions, it is necessary to take suitable preventive action (e.g. cell protection concept) and integrate each component into a holistic, state-of-the-art industrial security concept. Third-party products that may be in use should also be considered. For more information about industrial security, visit <http://www.siemens.com/industrialsecurity>. To stay informed about product updates as they occur, sign up for a product-specific newsletter. For more information, visit <http://support.automation.siemens.com>. (V3.4)

last modified:

05/12/2020