

**Product type designation**

**RF120C communication module**



RFID COMMUNICATION MODULE RF120C FOR SIMATIC S7-1200;  
1 READER CONNECTABLE

**Suitability for use**

SIMATIC S7-1200 together with RF200/300/600, MOBY D/U, MV

**Transmission 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

Design of the electrical connection

- of the backplane bus
- for supply voltage

S7-1200 backplane bus

Screw terminals

Design of the interface / to the reader / for communication

D-sub, 9-pin, socket

**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 / for DC

- Rated value
- minimum

24 V

20 V

• maximum	30 V
Consumed current	
• for DC / at 24 V / without connected devices / typical	0.03 A
• for DC / at 24 V / with connected devices / maximum	1 A

#### Permitted 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 <sup>2</sup>
Resistance against vibration	100 m/s <sup>2</sup>

#### Design, dimensions and weight

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

#### Product properties, functions, components / general

Display version	4 LEDs for reader connection, 1 LED for device status
[nicht versorgt: PMD_ABR988_001_000]	
• transponder file handler can be addressed	No
Protocol / is supported	
• S7 communication	Yes

#### Product functions / management, configuration

Type of parameterization	HSP
Type of programming	Library with functions
Type of computer-mediated communication	acyclic communication

#### Standards, specifications, approvals

Certificate of suitability	CE, FCC, cULus, KCC, C-Tick
MTBF	196 a

#### Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	<a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/automation/net/catalog">http://www.siemens.com/automation/net/catalog</a>

- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<http://automation.siemens.com/bilddb>  
<http://www.siemens.com/cax>  
<http://support.automation.siemens.com>

## Security information

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### letzte Änderung:

Jan 27, 2015