

Product type designation

RF120C communication module

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



Suitability for operation

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
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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	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 <ul style="list-style-type: none"> • for DC / Rated value • for DC 	24 V 20 ... 30 V
Consumed current / for DC / at 24 V <ul style="list-style-type: none"> • without connected devices / typical 	0.03 A

- with connected devices / maximum

1 A

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation 	0 ... 55 °C
<ul style="list-style-type: none"> • during storage 	-40 ... +70 °C
<ul style="list-style-type: none"> • during transport 	-40 ... +70 °C
Protection class IP	IP20
Shock resistance	According to IEC 61131-2
Shock acceleration	300 m/s ²
Resistance against vibration	100 m/s ²

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
<ul style="list-style-type: none"> • Product function / transponder file handler can be addressed 	No
Protocol / is supported	
<ul style="list-style-type: none"> • S7 communication 	Yes
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 y

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
<ul style="list-style-type: none"> • to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> • to website: Information and Download Center 	http://www.siemens.com/automation/net/catalog
<ul style="list-style-type: none"> • to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • to website: CAx Download Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • to website: Industry Online Support 	https://support.industry.siemens.com

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