

### product type designation



### RF120C communication module

RFID communication module RF120C for SIMATIC S7-1200; 1 reader connectable; RS-422 or RS232.

### suitability for operation

SIMATIC S7-1200 together with RF200/300/1000, MV300/400/500, MOBY D/U

### transfer 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/RS232
number of readers / connectable	1
type of electrical connection	
• of the backplane bus	S7-1200 backplane bus
• for supply voltage	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
•	20 ... 30 V
consumed current	
• at DC / at 24 V / without connected devices / typical	0.03 A
• from supply voltage 1L+ / 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/s²
vibrational acceleration	100 m/s²

### design, dimensions and weights

width	30 mm
height	100 mm
depth	75 mm
net weight	0.15 kg
fastening method	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 / addressable transponder file handler	No
protocol / is supported	
• S7 communication	Yes
<b>product functions / management, configuration, engineering</b>	
type of parameterization	HSP, TO
type of programming	ID profile, library with functions
type of computer-switched communication	acyclic communication
<b>standards, specifications, approvals</b>	
certificate of suitability	CE, FCC, cULus, KCC, C-Tick, FM
certificate of suitability	
• IECEx	Yes
• for IECEx / as marking	Ex: II 3G Ex nAA IIC T4 Gc
MTBF	196 a
reference code	
• according to IEC 81346-2:2019	KEC
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
<b>standards, specifications, approvals / Environmental Product Declaration</b>	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	35.74 kg
• during manufacturing	16 kg
• during operation	19.61 kg
• after end of life	0.13 kg
<b>further information / internet links</b>	
internet link	
• to website: Selection guide for cables and connectors	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a>
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to web page: identification and localization systems	<a href="https://www.siemens.com/ident">https://www.siemens.com/ident</a>
• to web page: SiePortal	<a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a>
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• to website: CAX-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
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<b>security information</b>	
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<a href="#">Declaration of Conformity</a>	    
General Product Approval	EMV
	For use in hazardous locations



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## Environment

[Confirmation](#)



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