

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	
<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	
<ul style="list-style-type: none"> at DC / rated value at DC 	24 V 20 ... 30 V
consumed current / at DC / at 24 V	
<ul style="list-style-type: none"> without connected devices / typical with connected devices / maximum 	0.03 A 1 A

ambient conditions

ambient temperature	
<ul style="list-style-type: none"> during operation during storage during transport 	0 ... 55 °C -40 ... +70 °C -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

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	Yes
• S7 communication	
product functions / management, configuration, engineering	
type of programming	ID profile, library with functions
type of computer-switched communication	acyclic communication
standards, specifications, approvals	
certificate of suitability	CE, FCC, cULus, KCC, C-Tick, FM
certificate of suitability	Yes
• IECEx	
• for IECEx / as marking	Ex: II 3G Ex nAA IIC T4 Gc
MTBF	196 y
further information / internet-Links	
Internet-Link	
• to web page: selection aid TIA 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	
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)

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