

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

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
- 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
- at DC

24 V
20 ... 30 V

- consumed current / at DC / at 24 V / without connected devices / typical
- Consumed current / from supply voltage 1L+ / maximum

0.03 A
1 A

ambient conditions

ambient temperature

- 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/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
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	
• IECEx	Yes
• for IECEx / as marking	Ex: II 3G Ex nAA IIC T4 Gc
MTBF	196 a
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	
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