

product type designation



RF120C communication module

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

Technical Product Detail Page

<https://l.siemens.com/1P6GT2002-0LA00>

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 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 | |
| product functions / management, configuration, engineering | | |
| type of parameterization | HSP, TO | |
| 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 | |
| product function / is supported / identification link | Yes; acc. to IEC 61406-1:2022 | |
| standards, specifications, approvals / Environmental Product Declaration | | |
| 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 | |
| further information / internet links | | |
| internet link | | |
| • to website: Selection guide for cables and connectors | https://support.industry.siemens.com/cs/ww/en/view/109766358 | |
| • to web page: selection aid TIA Selection Tool | https://www.siemens.com/tstcloud | |
| • to web page: identification and localization systems | https://www.siemens.com/ident | |
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| security information | | |
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