6GT2002-0LA00

Communication module RF120C

Technical data

product type designation	RF120C communication module
	RFID communication module RF120C for SIMATIC S7-1200; 1 reader connectable; RS-422
suitability for operation	SIMATIC S7-1200 together with RF200/300/600, MV400, 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
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
● at DC	20 ... 30 V
consumed current / at DC / at 24 V	
● without connected devices / typical	0.03 A
● with connected devices / 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
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 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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