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Data sheet 6GT2002-0LA00

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	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
● Consumed current / 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

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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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