

<b>Product type designation</b>		<b>RF120C communications module</b>
		RFID COMMUNICATIONS MODULE RF120C FOR SIMATIC S7-1200; 1 READER CONNECTABLE; RS-422
Suitability for use		SIMATIC S7-1200, together with RF200/300/600, MOBY D/U, MV
<b>Transmission rate</b>		
Transmission rate		
<ul style="list-style-type: none"> <li>on the point-to-point connection / serial / maximum</li> </ul>		115.2 kbps
Interfaces		
Design of the interface / for point-to-point connection		RS-422
Number of readers / connectable		1
Electrical connector version		
<ul style="list-style-type: none"> <li>of the backplane bus</li> </ul>		S7-1200 backplane bus
<ul style="list-style-type: none"> <li>for supply voltage</li> </ul>		Screw-type terminals
Version of interface / to the reader / for communication		9-pin D-sub female
<b>Mechanical specifications</b>		
Material		Xantar MX 1094
Color		Ti-Grey 24L01
Tightening torque / of the screw for securing the equipment / maximum		0.45 N·m
<b>Supply voltage, current consumption, power loss</b>		
Supply voltage / for DC		
<ul style="list-style-type: none"> <li>Rated value</li> </ul>		24 V
<ul style="list-style-type: none"> <li>minimum</li> </ul>		20 V
<ul style="list-style-type: none"> <li>maximum</li> </ul>		30 V

Current consumed / at 24 V / with DC	
• without connected devices / typically	0.03 A
• including connected devices / maximum	1 A
<b>Permitted ambient conditions</b>	
Ambient temperature	
• during operation	0 ... 55 °C
• during storage	-40 ... +70 °C
• during transportation	-40 ... +70 °C
IP degree of protection	IP20
Shock resistance	to IEC 61131-2
Shock acceleration	300 m/s <sup>2</sup>
Vibration acceleration	100 m/s <sup>2</sup>
<b>Design, dimensions and weight</b>	
Width	30 mm
Height	100 mm
Depth	75 mm
Net weight	0.15 kg
Type of mounting	S7-1200 rack
Cable length / for RS-422 interface / maximum	1000 m
<b>Product properties, functions, components / general</b>	
LED display	4 LEDs for reader connection, 1 LED for device status
Product function	
• Transponder file handler addressable	No
Protocol / is supported	
• S7 communication	Yes
<b>Product functions / management, configuration, engineering</b>	
Type of parameter assignment	HSP
Type of programming	Library with functions
Type of computer-based communication	acyclic communication
<b>Standards, specifications, approvals</b>	
Proof of suitability	CE, FCC, cULus, KCC, C-Tick
Mean time between failures (MTBF)	196 a
<b>Last change:</b>	May 28, 2013