

Product type designation

**RF160C communication module**

RFID communication module RF160C for PROFIBUS DP-V0; 2 readers can be connected; without Connection block for PROFIBUS



Suitability for operation	PROFIBUS network according to DP-V0 together with RF200/300/600, MOBY D/U
<b>Transfer rate</b>	
Transfer rate / with PROFIBUS	9.6 kbit/s ... 12 Mbit/s
Transfer rate / at the point-to-point connection / serial / maximum	115.2 kbit/s
<b>Interfaces</b>	
Design of the interface / for point-to-point connection	RS422
Number of readers / connectable	2
Type of electrical connection	
• of the PROFIBUS interface	(according to the connection block)
• for supply voltage	(according to the connection block)
Design of the interface / to the reader / for communication	M12, 8-pin
<b>Mechanical data</b>	
Material	Thermoplastic (Valox 467, fiberglass reinforced)
Color	IP Basic 714

Tightening torque / of the screw for securing the equipment / maximum	3 N·m
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### Supply voltage, current consumption, power loss

Supply voltage	
<ul style="list-style-type: none"> <li>• at DC / Rated value</li> <li>• at DC</li> </ul>	24 V 20 ... 30 V
Consumed current / at DC / at 24 V	
<ul style="list-style-type: none"> <li>• without connected devices / typical</li> <li>• with connected devices / maximum</li> </ul>	0.08 A 0.85 A

### Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	0 ... 55 °C -40 ... +70 °C -40 ... +70 °C
Protection class IP	IP67
Shock resistance	According to IEC 61131-2
Shock acceleration	300 m/s <sup>2</sup>
Vibrational acceleration	100 m/s <sup>2</sup>

### Design, dimensions and weights

Width	60 mm
Height	30 mm
Depth	210 mm
Net weight	0.21 kg
Mounting type	2 x M5 screws
Wire length / for RS 422 interface / maximum	1000 m

### Product features, product functions, product components / general

Display version	4 LEDs per reader connection, 4 LEDs for device status
Product function / transponder file handler can be addressed	No
Protocol / is supported	
<ul style="list-style-type: none"> <li>• PROFIBUS DP-V0 protocol</li> <li>• PROFIBUS DP-V1 protocol</li> </ul>	Yes No

### Product functions / management, configuration, engineering

Type of parameterization	GSD
Type of programming	FC 44
Type of computer-mediated communication	Cyclic communication

### Standards, specifications, approvals

Certificate of suitability	CE, FCC, cULus
MTBF	122 y

### accessories

## Further information / Internet-Links

## Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

<https://support.industry.siemens.com/cs/ww/en/view/67384964>

<http://www.siemens.com/ident/rfid>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

## Security information

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