

Product type designation

**RF160C communication module**

RFID COMMUNICATION MODULE RF160C FOR PROFIBUS DP-V0; 2 READERS CAN BE CONNECTED; WITHOUT CONNECTOR BLOCK FOR PROFIBUS



Suitability for operation	PROFIBUS network according to DP-V0 together with RF200/300/600, MOBY D/U
<b>Transmission 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
<b>Supply voltage, current consumption, power loss</b>	
Supply voltage	
• at DC / Rated value	24 V
• at DC	20 ... 30 V
Consumed current / at DC / at 24 V	
• without connected devices / typical	0.08 A
• with connected devices / maximum	0.85 A
<b>Permitted ambient conditions</b>	
Ambient temperature	
• during operation	0 ... 55 °C
• during storage	-40 ... +70 °C
• during transport	-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>
<b>Design, dimensions and weight</b>	
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
<b>Product properties, functions, components / general</b>	
Display version	4 LEDs per reader connection, 4 LEDs for device status
Product function / transponder file handler can be addressed	No
Protocol / is supported	
• PROFIBUS DP-V0 protocol	Yes
• PROFIBUS DP-V1 protocol	No
Type of parameterization	GSD
Type of programming	FC 44
Type of computer-mediated communication	Cyclic communication
<b>Standards, specifications, approvals</b>	
Certificate of suitability	CE, FCC, cULus
MTBF	122 y
<b>Accessories</b>	
accessories	Connection block for ECOFAST system or M12, 7/8"

## Further Information / Internet Links

### Internet-Link

- to website: Selector SIMATIC NET SELECTION TOOL <http://www.siemens.com/snst>
- to website: Industrial communication <http://www.siemens.com/simatic-net>
- 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

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