

### Product type designation

### RF220R reader IO-Link

SIMATIC RF200 READER RF220R IO-LINK IO-LINK-INTERFACE;  
IP 67, -25 UP TO +70 DGR/C; M30 X 83 MM; WITH INTEGRATED  
ANTENNA 8 Byte IO; 38.4 kBit/s



### Wireless frequencies

Operating frequency / Rated value	13.56 MHz
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### Electrical data

Range / maximum	35 mm; Range is dependent on transponder type: observe <a href="http://support.automation.siemens.com/WW/view/en/67384964">http://support.automation.siemens.com/WW/view/en/67384964</a>
Protocol / with radio transmission	ISO 15693, ISO 18000-3
Transfer rate / with radio transmission / maximum	26.5 kbit/s
Product feature / multitag-capable	No
Transfer rate / at the point-to-point connection / serial / maximum	38.4 kbit/s
Transmission time / for user data	
<ul style="list-style-type: none"> <li>• for write access / per byte / typical</li> <li>• for read access / per byte / typical</li> </ul>	<p>40 ms</p> <p>40 ms</p>

### Interfaces

Type of electrical connection	M12, 4-pin
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### Mechanical data

Material	Brass, nickel-plated / PBT
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Color	silver/pastel turquoise
Tightening torque / of the screw for securing the equipment / maximum	40 N·m
Mounting distance / relating to metal surfaces / recommended / minimum	0 mm

#### 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 20.4 ... 28.8 V
Consumed current / at DC / at 24 V	
<ul style="list-style-type: none"> <li>• typical</li> </ul>	0.05 A

#### Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	-20 ... +70 °C -25 ... +80 °C -25 ... +80 °C
Protection class IP	IP67
Shock resistance	EN 60721-3-7, Class 7 M2
Shock acceleration	500 m/s <sup>2</sup>
Vibrational acceleration	200 m/s <sup>2</sup>

#### Design, dimensions and weight

Height	83 mm
Diameter	30 mm
Net weight	0.14 kg
Mounting type	2 x M30 nuts (included in scope of supply)
Wire length	
<ul style="list-style-type: none"> <li>• between master and IO-Link device / maximum</li> </ul>	20 m

#### Product properties, functions, components / general

Display version	3-color LED
Product feature / silicon-free	Yes

#### Standards, specifications, approvals

Certificate of suitability	Wireless according to R&TTE guidelines EN300 330 and EN 301489, FCC, UL/CSA
MTBF	501 y

#### Accessories

#### Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> <li>• to website: Selector SIMATIC NET SELECTION TOOL</li> <li>• to website: Industrial communication</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/67384964">https://support.industry.siemens.com/cs/ww/en/view/67384964</a>  <a href="http://www.siemens.com/ident/rfid">http://www.siemens.com/ident/rfid</a>

- 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://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>

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