

Product type designation

RF210R reader IO-Link

SIMATIC RF200 READER RF210R IO-LINK IO-LINK-INTERFACE;
IP 67, -25 UP TO +70 DGR/C; M18 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	20 mm; Range is dependent on transponder type: observe http://support.automation.siemens.com/WW/view/en/67384964
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	
• for write access / per byte / typical	40 ms
• for read access / per byte / typical	40 ms

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

Permitted ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> • during operation • during storage • during transport 	-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 ²
Vibrational acceleration	200 m/s ²

Design, dimensions and weight

Height	83 mm
Diameter	18 mm
Net weight	0.065 kg
Mounting type	2 x M18 nuts (included in scope of supply)
Wire length	
<ul style="list-style-type: none"> • between master and IO-Link device / maximum 	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	505 y

Accessories

Further Information / Internet Links

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

- 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>

last modified:

08/11/2017