

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.



Suitability for operation

ISO 15693 Transponder (MDS Dxxx), for connecting to an IO-Link Master

Wireless frequencies

Operating frequency / Rated value

13.56 MHz

Electrical data

Range / maximum

35 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 property / multitag-capable

No

Transfer rate / at the point-to-point connection / serial / maximum

38.4 kbit/s

Transmission time / for user data

- for read access / per byte / typical

40 ms

Interfaces

Standard for interfaces / for communication

IO-Link

Type of electrical connection

M12, 4-pin

Mechanical data

Material

Brass, nickel-plated / PBT

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	
• for DC / Rated value	24 V
• for DC	20.4 ... 28.8 V
Consumed current / for DC / at 24 V	
• typical	0.05 A

Permitted ambient conditions

Ambient temperature	
• during operation	-20 ... +70 °C
• during storage	-25 ... +80 °C
• during transport	-25 ... +80 °C
Protection class IP	IP67
Shock resistance	EN 60721-3-7, Class 7 M2
Shock acceleration	500 m/s ²
Resistance against vibration	200 m/s ²

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)
Cable length	
• between master and IO-Link device / maximum	20 m

Product properties, functions, components / general

Display version	3-color LED
Product property / 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

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/automation/net/catalog
• 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
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