

Product-type designation		RF210R reader
		SIMATIC RF200 READER RF210R; RS422-INTERFACE (3964R); IP 67, -25 UP TO +70 DGR/C; M18 X 71 MM; WITH INTEGRATED ANTENNA.
Wireless frequencies		
Operating frequency / rated value		13.56 MHz
Electrical data		
Range / maximum		20 mm
Protocol / for radio transmission		ISO 15693, ISO 18000-3
Transfer rate / with radio transmission / maximum		26.5 kbit/s
Product property / multitag-capable		No
Transmission rate / at point-to-point connection / serial / maximum		115.2 kbit/s
Transmission time / for user data		
• for write access / per byte / typical		0.6 ms
• for read access / per byte / typical		0.6 ms
Interfaces		
Design of the electrical connection		M12, 8-pin
Standard for interfaces / for communication		RS422
Mechanical data		
Material		Brass, nickel-plated / PBT
Color		Silver/pastel turquoise
Tightening torque / of screw for mounting the equipment / maximum		20 N·m
Mounting distance / for metal surfaces / recommended / minimum		0 mm

Supply voltage, current consumption, power loss

Supply voltage / for DC

• rated value	24 V
• minimum	20.4 V
• maximum	28.8 V

Consumed current / At 24 V / with DC

• typical	0.05 A
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Permitted ambient conditions

Ambient temperature

• during operating	-20 ... +70 °C
• during storage	-25 ... +80 °C
• during transport	-25 ... +80 °C

Protection class IP

IP67

Resistance against shock

EN 60721-3-7, Class 7 M2

Resistance against shock

500 m/s²

Resistance against vibration

200 m/s²

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)

Cable length

• for RS 422 interface / maximum	1000 m
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Product properties, functions, components / general

Type of display

3-color LED

Product feature / silicon-free

Yes

Standards, specifications, approvals

Verification of suitability

Wireless according to R&TTE guidelines EN300 330 and EN 301489, FCC, UL/CSA

MTBF

505 a

letzte Änderung:

Jul 28, 2014