

Product-type designation	
 The image shows a Siemens SIMATIC RF310R reader device. It is a black, rectangular unit with a blue Siemens logo and 'SIMATIC RF310R' printed on the front. Below the model name, it shows '6GT2801-0AA00', 'SN 101129747.4', and 'AS A'. There is also a CE mark. The device has a threaded connector at the bottom and two mounting holes on the right side.	
RF310R reader	
SIMATIC RF300 READER RF310R (RF300+ISO15693) WITH RS422-INTERFACE (3964R) IP 67, -25 UP TO +70 DGR/C, 55 X 75 X 30 MM, WITH INTEGRATED ANTENNA	
Wireless frequencies	
Operating frequency / rated value	13.56 MHz
Electrical data	
Range	
• maximum	60 mm
Protocol / for radio transmission	RF300-specific, ISO 15693, ISO 18000-3
Transfer rate / with radio transmission / maximum	106 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	0.13 ms
• for read access / per byte / typical	0.13 ms
Interfaces	
Standard for interfaces / for communication	RS422
Design of the electrical connection	M12, 8-pin
Mechanical data	
Material	PA 12
Color	Anthracite
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	-25 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °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

Width	55 mm
Height	30 mm
Depth	75 mm
Net weight	0.2 kg
Mounting type	4 x M5 screws
Cable length	
• for RS 422 interface / maximum	1000 m

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 EN 300 330, EN 301489, CE, FCC, UL/CSA
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letzte Änderung: Sep 14, 2014