SIEMENS

Product type designation	RF310R IQ-Sense reader
	SIMATIC RF300 READER RF310R WITH IQ-SENSE INTERFACE IP 67, -25 TO +70 DGR/C, 55X75X30MM, MAX. DISTANCE: 30 MM (DEPENDING ON MDS)

Suitability for operation	RF300 transponder, for connecting to IQ-Sense

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	RF300-specific
Transfer rate / with radio transmission / maximum	106 kbit/s
Product feature / multitag-capable	No
Transfer rate / at the point-to-point connection / serial / maximum	0.4 kbit/s
Transmission time / for user data	
• for write access / per byte / typical	25 ms
• for read access / per byte / typical	20 ms

Interfaces

Standard for interfaces / for communication	IQ-Sense
Type of electrical connection	M12, 4-pin

Mechanical data

Material	PA 12
Color	anthracite
Mounting distance / relating to metal surfaces / recommended / minimum	0 mm

Supply voltage, current consumption, power loss

Supply voltage	
• at DC / Rated value	24 V
• at DC	20.4 ... 28.8 V
Consumed current / at DC / at 24 V	
• typical	0.04 A

Permitted ambient conditions

Ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
Protection class IP	IP67
Shock resistance	EN 60721-3-7, Class 7 M2
Shock acceleration	500 m/s²
Vibrational acceleration	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

Product properties, functions, components / general

Display version	-

Standards, specifications, approvals

Certificate of suitability	Wireless according to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, UL/CSA
MTBF	23 y

Accessories

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	https://support.industry.siemens.com/cs/ww/en/view/67384964
• to website: Industrial communication	http://www.siemens.com/ident/rfid
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter

- to website: Image database
- to website: CAx Download Manager
- to website: Industry Online Support

http://automation.siemens.com/bilddb

http://www.siemens.com/cax

https://support.industry.siemens.com

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