

### product type designation



### RF310R IQ-Sense reader

\*\*\*\*\* spare part \*\*\*\*\* SIMATIC RF300 Reader RF310R with IQ-Sense interface IP67, -25 to +70 °C, 55x 75x 30 mm, max. limit distance: 30 mm (depending on MDS).

product brand name	SIMATIC RF
suitability for operation	RF300 transponder, for connecting to IQ-Sense
<b>radio frequencies</b>	
operating frequency / rated value	13.56 MHz
range / maximum	35 mm; Range is dependent on transponder type: observe <a href="http://support.automation.siemens.com/WW/view/en/67384964">http://support.automation.siemens.com/WW/view/en/67384964</a>
protocol / with radio transmission	RF300-specific
transfer rate / with radio transmission / maximum	106 kbit/s
product feature / multitag-capable	No
<b>electrical data</b>	
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
<b>interfaces</b>	
standard for interfaces / for communication	IQ-Sense
type of electrical connection	M12, 4-pin
<b>mechanical data</b>	
material	PA 12
color	anthracite
mounting distance / relating to metal surfaces / recommended / minimum	0 mm
<b>supply voltage, current consumption, power loss</b>	
supply voltage / at DC	
• rated value	24 V
•	20.4 ... 28.8 V
consumed current / at DC	
• at 24 V / typical	0.04 A
<b>ambient conditions</b>	
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/s <sup>2</sup>
vibrational acceleration	200 m/s <sup>2</sup>
<b>design, dimensions and weights</b>	

width	55 mm
height	30 mm
depth	75 mm
net weight	0.2 kg
fastening method	4 x M5 screws

**product features, product functions, product components / general**

display version	-
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**standards, specifications, approvals**

certificate of suitability	Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus
certificate of suitability	
• IECEX	No
MTBF	23 a

**further information / internet links**

internet link	
• to web page: selection aid TIA Selection Tool	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a>
• to website: Image database	<a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a>
• to website: CAx-Download-Manager	<a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

**Approvals / Certificates**

**General Product Approval**



[China RoHS](#)

[Miscellaneous](#)

[Manufacturer Declaration](#)

**EMV Radio Equipment Type Approval Certificate**



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