SIEMENS

Data sheet 6GT2801-0AA00

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
radio frequencies	
operating frequency / rated value	13.56 MHz
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
electrical data	
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
●	20.4 ... 28.8 V
consumed current / at DC	
● at 24 V / typical	0.04 A
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 weights	

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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	-
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	https://www.siemens.com/tstcloud
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

Approvals / Certificates

General Product Approval

CE EG-Konf.	EAC	China RoHS	Manufacturer Declaration	Miscellaneous	Manufacturer Declaration

EMV	Radio Equipment Type Approval Certificate		
KC	Miscellaneous	FCC	Miscellaneous

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