Data sheet

SIMATIC RF300; Reader RF310R (GEN2) with RS422 interface (3964R); IP67. -25 to +70 °C, 55x 75x 30 mm, with integrated antenna; Special version with rotated base plate (90°) scan mode



Figure similar

Suitability for operation	RF300 and ISO 15693 Transponder (MDS Dxxx), for serial
	connection to control systems (Scan Mode)
Wireless frequencies	
Operating frequency / Rated value	13.56 MHz
Range / maximum	60 mm; Range is dependent on transponder type: observe http://support.automation.siemens.com/WW/view/en/67384964
Protocol / with radio transmission	RF300-specific, ISO 15693, ISO 18000-3
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	115.2 kbit/s
/ maximum	
Transmission time / for user data	
for read access / per byte / typical	0.13 ms
Interfaces	
Standard for interfaces / for communication	RS422
Type of electrical connection	M12, 8-pin

Material PA 12 Color Tigray Tightening torque / of the screw for securing the equipment / maximum Mounting distance / relating to metal surfaces / recommended / minimum Supply voltage, current consumption, power loss Supply voltage • at DC / Rated value 24 V • at DC onsumed current / at DC / at 24 V • typical 0.66 A Permitted ambient conditions Ambient temperature • during operation -25 +70 °C • during storage -40 +85 °C Protection class IP Shock resistance EN 60721-3-7 Class 7 M2 Shock acceleration 500 m/s² Shock acceleration 500 m/s² Vibrational acceleration 500 m/s² Design, dimensions and weight Width 55 mm Height 30 mm Depth 75 mm Net weight 0.2 kg Mounting type 4 x kM screws Wire length • for RS 422 interface / maximum 1000 m Product properties, functions, components / general Display version 3-color LED Product feature / silicon-free Yes Standards, specifications, approvals Certificate of suitability Ratios and sections / Internet Links	Mechanical data		
Tightening torque / of the screw for securing the equipment / maximum Mounting distance / relating to metal surfaces / recommended / minimum Supply voltage current consumption, power loss Supply voltage		PA 12	
Mounting distance / relating to metal surfaces / recommended / minimum	Color	Ti gray	
recommended / minimum Supply voltage, current consumption, power loss Supply voltage • at DC / Rated value • at DC 20.4 28.8 V Consumed current / at DC / at 24 V • typical 0.06 A Permitted ambient conditions Ambient temperature • during operation • during storage • during storage • during transport • during storage • during transport Protection class IP Frotestion class IP Flore sistance EN 60721-3-7 Class 7 M2 Shock acceleration 500 m/s² Vibrational acceleration Design, dimensions and weight Width Height 30 mm Depth 75 mm Net weight 0.2 kg Mounting type 4 x M5 screws Wire length • for RS 422 interface / maximum 1000 m Product properties, functions, components / general Display version Product feature / silicon-free Yes Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Fruther Information / Internet Links		1.5 N·m	
Supply voltage • at DC / Rated value • at DC • at DC Consumed current / at DC / at 24 V • typical • typical • during operation • during storage • during transport • during transport Protection class IP Shock resistance EN 60721-3-7 Class 7 M2 Shock acceleration Shock acceleration Posign, dimensions and weight Width 55 mm Height 30 mm Depth 75 mm Net weight Net weight • for RS 422 interface / maximum Product properties, functions, components / general Display version Product feature / silicon-free Yes Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links		0 mm	
	Supply voltage, current consumption, power loss		
• at DC Consumed current / at DC / at 24 V • typical Permitted ambient conditions Ambient temperature • during operation • during storage • during transport • during transport Protection class IP Protection class IP Protestiance Shock resistance EN 60721-3-7 Class 7 M2 Shock acceleration Vibrational acceleration Design, dimensions and weight Width 55 mm Height 30 mm Depth 75 mm Net weight Net weight • for RS 422 interface / maximum Product properties, functions, components / general Display version Product feature / silicon-free Yes Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links	Supply voltage		
Consumed current / at DC / at 24 V • typical O.06 A Permitted ambient conditions Ambient temperature • during operation • during storage • during transport Protection class IP Shock resistance Shock acceleration Vibrational acceleration Design , dimensions and weight Width S5 mm Net weight Net weight • for RS 422 interface / maximum Product properties, functions, components / general Display version Product feature / silicon-free Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links	• at DC / Rated value	24 V	
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 • during operation • during storage • during transport • for Ros 422 interface / maximum • for RS 422 interface / maximum • for RS 422 interface / maximum • for Ros 422 interface / maximum • Standards, specifications, approvals Certificate of suitability • Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus Tuther Information / Internet Links 			
during storage during transport Protection class IP IP67 Shock resistance EN 60721-3-7 Class 7 M2 Shock acceleration 500 m/s² Vibrational acceleration Design, dimensions and weight Width 55 mm Height 30 mm Depth 75 mm Net weight 0.2 kg Mounting type 4 x M5 screws Wire length for RS 422 interface / maximum 1000 m Product properties, functions, components / general Display version 3-color LED Product feature / silicon-free Yes Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links	Ambient temperature		
during transport rotection class IP IP67 Shock resistance Shock acceleration Vibrational acceleration 200 m/s² Design, dimensions and weight Width S5 mm Height 30 mm Depth 75 mm Net weight 4 x M5 screws Wire length • for RS 422 interface / maximum Product properties, functions, components / general Display version Product feature / silicon-free Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links	during operation	-25 +70 °C	
Protection class IP 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 4 x M5 screws Wire length • for RS 422 interface / maximum Product properties, functions, components / general Display version Product feature / silicon-free Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links	during storage	-40 +85 °C	
Shock resistance Shock acceleration 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 Mounting type 4 x M5 screws Wire length • for RS 422 interface / maximum Product properties, functions, components / general Display version Product feature / silicon-free Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links	during transport	-40 +85 °C	
Shock acceleration Vibrational acceleration 200 m/s² Design, dimensions and weight Width 55 mm Height 30 mm Depth 75 mm Net weight 4 x M5 screws Wire length • for RS 422 interface / maximum Display version Product properties, functions, components / general Display version Product feature / silicon-free Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links	Protection class IP	IP67	
Vibrational acceleration 200 m/s² Design, dimensions and weight 55 mm Height 30 mm Depth 75 mm Net weight 0.2 kg Mounting type 4 x M5 screws Wire length 1000 m ◆ for RS 422 interface / maximum 1000 m Product properties, functions, components / general Display version Product feature / silicon-free Yes Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links	Shock resistance	EN 60721-3-7 Class 7 M2	
Design, dimensions and weight Width 55 mm Height 30 mm Depth 75 mm Net weight 0.2 kg Mounting type 4 x M5 screws Wire length • for RS 422 interface / maximum 1000 m Product properties, functions, components / general Display version 3-color LED Product feature / silicon-free Yes Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links	Shock acceleration	500 m/s²	
Width 55 mm Height 30 mm Depth 75 mm Net weight 0.2 kg Mounting type 4 x M5 screws Wire length • for RS 422 interface / maximum 1000 m Product properties, functions, components / general Display version 3-color LED Product feature / silicon-free Yes Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links	Vibrational acceleration	200 m/s²	
Height 30 mm Depth 75 mm Net weight 0.2 kg Mounting type 4 x M5 screws Wire length • for RS 422 interface / maximum 1000 m Product properties, functions, components / general Display version 3-color LED Product feature / silicon-free Yes Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links			
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Net weight 0.2 kg Mounting type 4 x M5 screws Wire length 1000 m Product properties, functions, components / general 1000 m Display version 3-color LED Product feature / silicon-free Yes Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links			
Mounting type 4 x M5 screws Wire length ● for RS 422 interface / maximum 1000 m Product properties, functions, components / general Display version Product feature / silicon-free Yes Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links	•		
Wire length	Net weight	0.2 kg	
● for RS 422 interface / maximum Product properties, functions, components / general Display version Product feature / silicon-free Yes Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links	Mounting type	4 x M5 screws	
Product properties, functions, components / general Display version Product feature / silicon-free Yes Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links	Wire length		
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Standards, specifications, approvals Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links			
Certificate of suitability Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus MTBF 273 y Further Information / Internet Links	Product feature / silicon-free	Yes	
FCC, cULus 273 y Further Information / Internet Links	Standards, specifications, approvals		
Further Information / Internet Links	Certificate of suitability		
	MTBF	273 y	
Internet Link			
	Internet-Link		
• to website: Selector SIMATIC NET SELECTION TOOL https://support.industry.siemens.com/cs/ww/en/view/67384964		https://support.industry.siemens.com/cs/ww/en/view/67384964	

• to website: Industrial communication

• to website: Industry Mall

• to website: Information and Download Center

• to website: Image database

to website: CAx Download Managerto website: Industry Online Support

last modified:

http://www.siemens.com/ident/rfid

https://mall.industry.siemens.com

http://www.siemens.com/industry/infocenter

http://automation.siemens.com/bilddb

http://www.siemens.com/cax

https://support.industry.siemens.com

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