

product type designation



Figure similar

Reader RF340R (EX)

SIMATIC RF300; Reader RF340R (GEN2); RS422 interface (3964R); IP67, -25 to +70 °C, 75x 75x 41 mm with integrated antenna special variant ATEX (Zone 3G/3D) and IECEx (Gc/Dc) for Zone 2/22 .

suitability for operation

RF300, ISO 15693 and MOBY E transponder, for connecting to communications modules, EX: II 3 G Ex ec IIC T4 Gc, II 3 D Ex tc IIIC T80 °C Dc

radio frequencies

operating frequency / rated value	13.56 MHz
range / maximum	140 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, ISO 14443
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	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
type of electrical connection	M12, 8-pin

mechanical data

material	PA 12
color	titanium gray
tightening torque / of the screw for securing the equipment / maximum	1.5 N·m
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	0.06 A

ambient conditions

ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
protection class IP	IP64
shock resistance	EN 60721-3-7 Class 7 M2
shock acceleration	500 m/s²

vibrational acceleration	200 m/s²	
design, dimensions and weights		
width	75 mm	
height	41 mm	
depth	75 mm	
net weight	0.25 kg	
fastening method	2 x M5 screws	
wire length		
• for RS 422 interface / maximum	1000 m	
product features, product functions, product components / general		
display version	5-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, ATEX: EN 60079-0:2012+A11:2013, EN 60079-7:2015, EN60079-31:2014, IEC Ex: IEC 60079-0:2011, IEC 60079-31:2013, EN 60079-7:2015, UL HAZ.LOC: UL 60079-0, CSA C22.2 NO.60079-0, UL 60079-7, CSA C22.2 NO. 60079-7, UL 60079-31, CSA C22.2 NO. 60079-31	
certificate of suitability		
• IECEx	Yes	
• for IECEx / as marking	EX: II 3 G Ex ec IIC T4 Gc, II 3 D Ex tc IIIC T80 °C Dc	
MTBF	260 a	
reference code		
• according to IEC 81346-2:2019	BYB	
standards, specifications, approvals / Environmental Product Declaration		
Environmental Product Declaration	Yes	
global warming potential [CO2 eq]		
• total	50.4 kg	
• during manufacturing	10.7 kg	
• during operation	39.4 kg	
• after end of life	0.3 kg	
further information / internet links		
internet link		
• to website: Selection guide for cables and connectors	https://support.industry.siemens.com/cs/ww/en/view/109766358	
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud	
• to web page: RFID country approval	https://www.siemens.com/rfid-approvals	
• to web page: identification and localization systems	https://www.siemens.com/ident	
• to web page: SiePortal	https://sieportal.siemens.com/	
• 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	
security information		
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Approvals / Certificates		
General Product Approval	EMV	For use in hazardous locations



[KC](#)



For use in hazardous locations

Radio Equipment
Type Approval Certificate

Environment



[CCC-Ex](#)



[Miscellaneous](#)



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