



SIMATIC RF300; Compact Reader RF360R; for Profinet, Ethernet,.

suitability for operation	RF300 and ISO 15693 transponder, for direct connection to Ethernet, PROFINET, OPC UA server integrated
radio frequencies	
operating frequency / rated value	13.56 MHz
range / maximum	150 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	
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	Ethernet, PROFINET, XML, OPC/UA
type of electrical connection	
• for supply voltage	M12, 4-pin, socket, L-code
• for communications interface	2 x M12, 4-pin, D-coded
mechanical data	
material	PA 12
color	Ti 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
• at DC	20.4 ... 28.8 V
consumed current / at DC	
• at 24 V / typical	0.15 A
ambient conditions	
ambient temperature	
• during operation	0 ... 55 °C
• during storage	-40 ... +70 °C
• during transport	-40 ... +70 °C
protection class IP	IP67
shock resistance	EN 60721-3-7 Class 7 M2
shock acceleration	500 m/s ²
vibrational acceleration	200 m/s ²
design, dimensions and weights	

width	141 mm
height	42 mm
depth	80 mm
net weight	0.41 kg
fastening method	4 x M5 screws

product features, product functions, product components / general

display version	5-color LED
protocol / is supported / Media Redundancy Protocol (MRP)	Yes
product function / of the PROFINET IO device / is supported / H-Sync forwarding	No
protocol / is supported	
• LLDP	Yes
• PROFINET IO protocol	Yes
• TCP/IP	Yes
• SNMP v1	Yes
• SNMP v2	No
• SNMP v3	No
• DCP	Yes
• EtherNet/IP protocol	No
• OPC UA	Yes
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	No
MTBF	65 a

further information / internet links

internet link	
• to web page: selection aid TIA 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	http://automation.siemens.com/bilddb
• to website: CAx-Download-Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com

last modified: 5/28/2023 