



SIMATIC RF300; Compact Reader RF360R; for PROFINET, Ethernet, EtherNet/IP, OPC/UA

product brand name	SIMATIC RF
Technical Product Detail Page	https://l.siemens.com/1P6GT2801-5BA30
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	#NO_DATA
• for external antenna(s)	#NO_DATA
• 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	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	0.15 A
ambient conditions	
ambient temperature	
• during operation	-25 ... +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	Yes
• DCP	Yes
• EtherNet/IP protocol	No
• OPC UA	Yes
product feature / silicon-free	Yes
product functions / management, configuration, engineering	
type of parameterization	HSP, GSDML, EDS, TO, WBM
type of programming	Ident profile, library with functions, OPC UA, XML
type of computer-switched communication	acyclic communication, TCP/IP
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
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
• total	169.47999 kg
• during manufacturing	71.5 kg
• during operation	97.11 kg
• after end of life	0.87 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	
security information	Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement - and continuously maintain - a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and

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Approvals / Certificates

General Product Approval



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formity](#)



[Type Examination Cer-
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General Product Approval

Radio Equipment Type Approval Certificate



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Environment

Industrial Communication



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