

product type designation



Figure similar

Reader RF350R (EX)

SIMATIC RF300; Reader RF350R (GEN2); RS422 interface (3964R); Without antenna IP65, -25 to +70 °C, 75x 75x 41 mm, can be operated with: ANT 1, 3, 3NO, 8, 12, 18, 30 special variant ATEX (Zone 3G/3D) and IECEx (Gc/Dc) for Zone 2/22 .

product brand name	SIMATIC RF
Technical Product Detail Page	https://l.siemens.com/1P6GT2801-4BA10-0AX2
suitability for operation	RF300, ISO 15693 and MOBY E transponder, for connecting to communication modules, EX: II 3 G Ex ec [ic] IIB T4 Gc, II 3 D Ex tc [ic IIB Gc] 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	
number of external antennas	1
standard for interfaces / for communication	RS422
type of electrical connection	
• for external antenna(s)	M8, 4-pin
• for communications interface	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

<ul style="list-style-type: none"> during storage during transport 	-40 ... +85 °C
protection class IP	IP64
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	75 mm
height	41 mm
depth	75 mm
net weight	0.25 kg
fastening method	2 x M5 screws
wire length	
<ul style="list-style-type: none"> of antenna cable / fixed value for RS 422 interface / maximum 	3 m 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	
<ul style="list-style-type: none"> IECEX for IECEX / as marking 	Yes EX: II 3 G Ex ec [ic] IIC T4 Gc, II 3 D Ex tc [ic] IIIC T80 °C Dc
MTBF	260 a
standards, specifications, approvals / Environmental Product Declaration	
Environmental Product Declaration	Yes
global warming potential [CO2 eq]	
<ul style="list-style-type: none"> total during manufacturing during operation after end of life 	50.4 kg 10.7 kg 39.4 kg 0.3 kg
accessories	
accessories	Various antennas are available
further information / internet links	
internet link	
<ul style="list-style-type: none"> to website: Selection guide for cables and connectors to web page: selection aid TIA Selection Tool to web page: RFID country approval to web page: identification and localization systems to web page: SiePortal to website: Image database to website: CAX-Download-Manager to website: Industry Online Support 	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/rfid-approvals https://www.siemens.com/ident https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax 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 solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit www.siemens.com/cybersecurity-industry . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are

no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <https://www.siemens.com/cert.> (V4.7)

Approvals / Certificates

General Product Approval



[China RoHS](#)

[Manufacturer Declaration](#)

EMV

For use in hazardous locations



[CCC-Ex](#)



Radio Equipment Type Approval Certificate

Environment

[Miscellaneous](#)

[Miscellaneous](#)



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