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Data sheet 6GT2803-1BA10

product type designation	**RF350M mobile hand-held terminal for external antenna**



********** spare part ********* SIMATIC RF300 handheld terminal RF350M; RF300, ISO 15693 and MOBY E; basic unit Nordic ID Merlin; with integrated RFID write/read unit and user software; Windows CE operating system; for external antenna; with battery, without charging/docking station; without antenna.

product brand name	SIMATIC RF
suitability for operation	RF300, RF200/ISO 15693 and MOBY E transponder, especially for small transponders
range	80 mm
range / note	dependent of the type of external antenna
radio frequencies	
operating frequency / rated value	13.56 MHz
electrical data	
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
supply voltage, current consumption, power loss	
type of current supply	Battery operation or mains operation via docking station
type of battery	Lithium ion accumulator, fast charging capability
type of battery / as back-up battery / integrated	Lithium ion battery, permanently installed, cannot be replaced by customer
battery capacity	2.6 A·h
operating period / with standard battery / typical	8 h
ambient conditions	
ambient temperature	
● during operation	-20 ... +55 °C
● during storage	-20 ... +60 °C
relative humidity / at 25 °C / without condensation / during operation / maximum	95 %
height of fall / maximum	1.2 m
protection class IP	IP54
design, dimensions and weights	
width	90 mm
height	250 mm
depth	47 mm
net weight	0.6 kg
product features, product functions, product components / general	
design of the display	QVGA color touch screen 3.5 inch, 240 x 320 pixels
operator element version	Alphanumeric
design of acoustic signaling element	Speakers
design of the interface	WLAN, USB and Ethernet via charging station
storage capacity	
● of the RAM	256 Mibyte
● of the data and program memory	288 Mibyte

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● of the data memory / can be used	256 Mibyte
product functions / management, configuration, engineering	
operating system / pre-installed	Windows Embedded CE 6.0
product function / of the software	recording, editing, searching RF300, MDS E6xx and ISO15693 transponders
standards, specifications, approvals	
certificate of suitability	EMC: EN 55022, EN 301 489, EN 300 330, EN 300 328, EN 301 893, safety: EN 60950
accessories	
accessories	Charging/docking station with USB- and Ethernet interface, changeable accumulator Li-ion 2600 mAh / 7.4 V, antenna ANT 3, 3S, 8, 12, 18, 30
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 website: Industrial communication	https://www.siemens.com/simatic-net
● 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 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				Radio Equipment Type Approval Certificate	Dangerous goods
CE EG-Konf.	EAC	China RoHS	Manufacturer Declaration	KC	Dangerous goods information

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