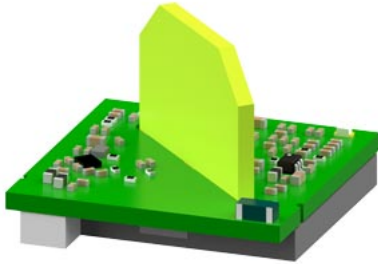


SIMATIC RTLS transponder, special OEM PCB type AC, FCC UWB, phase FCC,



suitability for operation	RTLS4000 with UWB, phase technology
Technical Product Detail Page	https://l.siemens.com/1P6GT2700-8DF10-0AX1
radio frequencies	
operating frequency / 1	3100 ... 7000 MHz
range / 1 / maximum	30 m; Range information for open air applications; always follow the manual
accuracy of localization / 1	
• typical	0.1 m
protocol / 1 / with radio transmission	IEEE 802.15.4-2015 UWB HRP PHY
transfer rate / 1 / with radio transmission / maximum	850 kbit/s
operating frequency / 2	2400 ... 2480 MHz
range / 2 / maximum	50 m; Range information for open air applications; always follow the manual
accuracy of localization / 2	
• typical	3 m
protocol / 2 / with radio transmission	IEEE 802.15.4
transfer rate / 2 / with radio transmission / maximum	1000 kbit/s
electrical data	
type of voltage supply	Connector, type: JST SM02B-SRSS-TB for customer-facing cable for connection to the screwdriver battery, 3.3 Volt (+/- 100 mV), max. 0.5 A
product component / backup battery	No
memory	
type of memory	FLASH
data retention time / at ambient temperature < 40 °C / not less than	20 a
property of memory	Configuration memory
ambient conditions	
ambient temperature	
• during read/write access	0 ... 50 °C
• outside the read/write area	0 ... 50 °C
• during storage	0 ... 50 °C
protection class IP	IP00
design, dimensions and weights	
width	25 mm
height	18 mm
depth	25 mm
net weight	6 g
fastening method	customer specific mounting
product features, product functions, product components / general	
display version	LED
standards, specifications, approvals	

product function / is supported / identification link Yes; acc. to IEC 61406-1:2022

further information / internet links

internet link	
<ul style="list-style-type: none">• to web page: selection aid TIA Selection Tool• 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	<ul style="list-style-type: none">https://www.siemens.com/tstcloudhttps://www.siemens.com/identhttps://sieportal.siemens.com/https://www.automation.siemens.com/bilddbhttps://www.siemens.com/caxhttps://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)
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Approvals / Certificates

General Product Approval	EMV
  	China RoHS Manufacturer Declaration KC

Radio Equipment Type Approval Certificate

[Miscellaneous](#)

last modified: 11/13/2025 