

suitability for operation	SIMATIC RTLS transponder RTLS4030T, UWB, phase, ETSI
product brand name	RTLS4000 with UWB, phase technology
Technical Product Detail Page	SIMATIC RTLS
	<a href="https://i.siemens.com/1P6GT2700-3DA03">https://i.siemens.com/1P6GT2700-3DA03</a>
<b>radio frequencies</b>	
operating frequency / 1	3100 ... 7000 MHz; depending on the country approvals
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; depending on the country approvals
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
<b>electrical data</b>	
type of voltage supply	battery
product component / backup battery	Yes
product feature / replaceable battery	Yes
battery life / typical	1 a; Standby mode: 1 year, UWB localization 1 second cycle: 6 months
<b>memory</b>	
type of memory	FLASH
data retention time / at ambient temperature < 40 °C / not less than	20 a
property of memory	Configuration memory
<b>mechanical data</b>	
material	PC (translucent)
color	Gray.
tightening torque / of the screw for securing the equipment / maximum	0.4 N·m
<b>ambient conditions</b>	
ambient temperature	
• during read/write access	-10 ... +50 °C
• outside the read/write area	-10 ... +50 °C
• during storage	-10 ... +50 °C
protection class IP	IP54
<b>design, dimensions and weights</b>	
width	89 mm
height	30 mm
depth	29 mm
net weight	90 g
fastening method	2 x M2.5 screws, cable ties
<b>product features, product functions, product components / general</b>	
display version	1 two-color LED
<b>standards, specifications, approvals</b>	
certificate of suitability	EU conformity according to RED, RoHS
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
<b>accessories</b>	
accessories	CR123A replacement battery

## further information / internet links

### internet link

- 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

<https://www.siemens.com/tstcloud>  
<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](http://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](#)

[China RoHS](#)

[Manufacturer Declaration](#)

### Radio Equipment Type Approval Certificate

[Miscellaneous](#)

[Miscellaneous](#)

last modified:

3/10/2026