

suitability for operation	SIMATIC RTLS transponder RTLS4030T, UWB/Phase, ISED
product brand name	RTLS4000 with UWB, phase technology
Technical Product Detail Page	SIMATIC RTLS
	<a href="https://i.siemens.com/1P6GT2700-3DA33">https://i.siemens.com/1P6GT2700-3DA33</a>
<b>radio frequencies</b>	
operating frequency / 1	6000 ... 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, CMIIT
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

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## Approvals / Certificates

### General Product Approval



[China RoHS](#)

[China RoHS](#)

[Manufacturer Declaration](#)

### Radio Equipment Type Approval Certificate

[Miscellaneous](#)

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