

suitability for operation	SIMATIC RTLS transponder, special OEM PCB type AC UWB, phase
product brand name	RTLS4000 with UWB, phase technology
Technical Product Detail Page	SIMATIC RTLS
	https://i.siemens.com/1P6GT2700-8DF00-0AX1
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	
• to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
• to web page: identification and localization systems	https://www.siemens.com/ident
• 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

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Approvals / Certificates

General Product Approval



[China RoHS](#)

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[Manufacturer Declaration](#)

EMV

Radio Equipment
Type Approval Certificate

Environment



[Miscellaneous](#)



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