

SIMATIC RTLS transponder RTLS4084T, plus, UWB/phase, FCC, without battery.



suitability for operation	RTLS4000 with UWB, phase technology
product brand name	SIMATIC RTLS
Technical Product Detail Page	https://l.siemens.com/1P6GT2700-7DC15
radio frequencies	
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 802.15.4-2011 UWB
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
electrical data	
type of voltage supply	Battery pack
product component / backup battery	No
product feature / replaceable battery	Yes
battery life / typical	8 a; Standby mode: 8 years, UWB localization in 1 second cycle: 18 months, display update in 10 second cycle: 5 months
memory	
type of memory	FLASH
type of memory organization	memory for 5 background images, 20 fonts and 20 text fields for 58 characters each
number of write cycles / at ambient temperature < 40 °C / maximum	100000
data retention time / at ambient temperature < 40 °C / not less than	20 a
property of memory	Configuration memory
mechanical data	
material	PC
color	Ti gray
ambient conditions	
ambient temperature	
• during read/write access	-20 ... +50 °C
• outside the read/write area	-20 ... +50 °C
• during storage	-20 ... +50 °C
ambient condition / for operation	Temperature for display operation > 0 °C

protection class IP	IP54
design, dimensions and weights	
width	118.5 mm
height	26 mm
depth	99.4 mm
net weight	183 g
fastening method	Customer-specific, mounting bag, double-sided tape
product features, product functions, product components / general	
display version	2 two-color LED, 4.3" ePaper display with 400 x 300 pixels
operator element version	2 function keys
product feature	
• silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	EU conformity according to RED, RoHS
product function / is supported / identification link	Yes; acc. to IEC 61406-1:2022
accessories	
accessories	SIMATIC RTLS battery pack 4 x SAFT LS14500
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	
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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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