

product type designation

Transponder RTLS4040T

SIMATIC RTLS transponder RTLS4040T, UWB, phase, ETSI.



suitability for operation

RTLS4000 with UWB, phase technology

Technical Product Detail Page

<https://l.siemens.com/1P6GT2700-5DA03>

### radio frequencies

operating frequency / 1	3100 ... 7000 MHz
range / 1 / maximum	50 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	500 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	Rechargeable battery, charging contacts
product component / backup battery	Yes
product feature / replaceable battery	No
battery life / typical	1 a; Li-polymer rechargeable battery, service life (20 °C): 1 day

### memory

type of memory	FLASH
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	-10 ... +50 °C
• outside the read/write area	-10 ... +50 °C
• during storage	-10 ... +50 °C
ambient condition / for operation	when loading: 10 °C to 40 °C
protection class IP	IP54

### design, dimensions and weights

width	95 mm
height	13 mm

depth	62 mm
net weight	76 g
fastening method	Cable ties, mounting clips
<b>product features, product functions, product components / general</b>	
display version	1 two-color LED
operator element version	1 function key
<b>accessories</b>	
accessories	Charging station
<b>further information / internet links</b>	
internet link	<ul style="list-style-type: none"> <li>to web page: selection aid TIA Selection Tool <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a></li> <li>to web page: identification and localization systems <a href="https://www.siemens.com/ident">https://www.siemens.com/ident</a></li> <li>to web page: SiePortal <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a></li> <li>to website: Image database <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a></li> <li>to website: CAx-Download-Manager <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a></li> <li>to website: Industry Online Support <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a></li> </ul>
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<b>Approvals / Certificates</b>	
<b>General Product Approval</b>	<b>Dangerous goods</b>



[Manufacturer Declaration](#)

[China RoHS](#)

[Dangerous goods information](#)

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