

SIMATIC RTLS transponder RTLS4030T EX1, UWB, phase



suitability for operation	RTLS4000 with UWB, phase technology
Technical Product Detail Page	<a href="https://l.siemens.com/1P6GT2700-3DA03-0EX1">https://l.siemens.com/1P6GT2700-3DA03-0EX1</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: 2 year, UWB localization in 1-second cycle: 12 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	glass-fiber reinforced polyester
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	IP66
<b>design, dimensions and weights</b>	
width	110 mm
height	75 mm

depth	55 mm
net weight	366 g
fastening method	four 5 mm drill holes
<b>accessories</b>	
accessories	replacement battery: 2 x type CR123A: 3 V lithium batteries; brand: VARTA (1550 mAh) or Panasonic (1400 mAh)

**further information / internet links**

internet link	
<ul style="list-style-type: none"> <li>to web page: selection aid TIA Selection Tool</li> <li>to web page: identification and localization systems</li> <li>to web page: SiePortal</li> <li>to website: Image database</li> <li>to website: CAx-Download-Manager</li> <li>to website: Industry Online Support</li> </ul>	<a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://www.siemens.com/ident">https://www.siemens.com/ident</a> <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>

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**Approvals / Certificates**

General Product Approval		EMV	Radio Equipment Type Approval Certificate	
<a href="#">China RoHS</a>	<a href="#">Manufacturer Declaration</a>	<a href="#">KC</a>	<a href="#">Miscellaneous</a>	

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