

SIMATIC RTLS transponder RTLS4030T, UWB, phase, CMIIT



|   |   |
|---|---|
| suitability for operation   | RTLS4000 with UWB, phase technology   |
| Technical Product Detail Page   | <a href="https://l.siemens.com/1P6GT2700-3DA23">https://l.siemens.com/1P6GT2700-3DA23</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   |
| <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>   |
| <b>security information</b>  |  |
| security information   | Siemens provides products and solutions with industrial cybersecurity functions that support the secure operation of plants, systems, machines and networks. In order to protect plants, systems, machines and networks against cyber threats, it is necessary to implement – and continuously maintain – a holistic, state-of-the-art industrial cybersecurity concept. Siemens' products and solutions constitute one element of such a concept. Customers are responsible for preventing unauthorized access to their plants, systems, machines and networks. Such systems, machines and components should only be connected to an enterprise network or the internet if and to the extent such a connection is necessary and only when appropriate security measures (e.g. firewalls and/or network segmentation) are in place. For additional information on industrial cybersecurity measures that may be implemented, please visit <a href="http://www.siemens.com/cybersecurity-industry">www.siemens.com/cybersecurity-industry</a> . Siemens' products and solutions undergo continuous development to make them more secure. Siemens strongly recommends that product updates are applied as soon as they are available and that the latest product versions are used. Use of product versions that are no longer supported, and failure to apply the latest updates may increase customer's exposure to cyber threats. To stay informed about product updates, subscribe to the Siemens Industrial Cybersecurity RSS Feed under <a href="https://www.siemens.com/cert.">https://www.siemens.com/cert.</a> (V4.7) |

|                                 |   |
|---------------------------------|---|
| <b>Approvals / Certificates</b> |   |
| General Product Approval        | Radio Equipment Type Approval Certificate |



[China RoHS](#)

[Manufacturer Declaration](#)

[Miscellaneous](#)

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