

Product type designation

Transponder PCB OEM UWB

SIMATIC RTLS transponder, PCB OEM PULSE UWB ETSI



Suitability for operation

RTLS4000 with UWB technology, electronics with remote antenna

Radio frequencies

Operating frequency	3100 ... 7000 MHz
Range / maximum	30 m; Range information for open air applications; always follow the manual
Accuracy of localization	
• typical	0.2 m
Protocol / with radio transmission	IEEE 802.15.4-2011 UWB
Transfer rate / with radio transmission / maximum	6800 kbit/s

Electrical data

Type of voltage supply	Connector, type: JST SM04B-SRSS-TB for customer-facing cable for connection to the power supply, 3.3 Volt (+/- 100 mV), max. 0.3 A
Product component / Backup battery	No
Type of electrical connection / for external antenna(s)	20 x 38 mm remote antenna with 5 cm line

Memory

Type of memory	FLASH
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Data retention time / at ambient temperature < 40 °C / not less than	20 y
Property of memory	Configuration memory

Ambient conditions

Ambient temperature	
<ul style="list-style-type: none"> during read/write access 	0 ... 50 °C
<ul style="list-style-type: none"> outside the read/write area 	0 ... 50 °C
<ul style="list-style-type: none"> during storage 	0 ... 50 °C
Protection class IP	IP00

Design, dimensions and weights

Width	44 mm
Height	7.5 mm
Depth	24 mm
Net weight	10 g
Mounting type	3 M1.6 screws

Product features, product functions, product components / general

Display version	LED
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Further information / Internet-Links

Internet-Link	
<ul style="list-style-type: none"> to website: Industrial communication 	http://www.siemens.com/simatic-rtls
<ul style="list-style-type: none"> to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> to website: Information and Download Center 	http://www.siemens.com/industry/infocenter
<ul style="list-style-type: none"> to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> to website: CAx Download Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> to website: Industry Online Support 	https://support.industry.siemens.com

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