

Product type designation

Transponder OEM FBG Type AC

SIMATIC RTLS transponder, spec. OEM PCB type AC UWB, phase
(minimum order quantity 10 units)



Suitability for operation

RTLS4000 with UWB, phase technology

Radio frequencies

Operating frequency / 1	3100 ... 7000 MHz
Range / 1 / maximum	30 m; Range information for open air applications; always follow the manual
Accuracy of localization / 1	
• typical	0.2 m
Protocol / 1 / with radio transmission	IEEE 802.15.4-2011 UWB
Transfer rate / 1 / with radio transmission / maximum	6800 kbit/s
Operating frequency / 2	2400 ... 2480 MHz
Range / 2 / maximum	50 m; Range information for open air applications; always follow the manual
Accuracy of localization / 2	
• typical	1 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	Connector, type: JST SM02B-SRSS-TB for customer-facing cable for connection to the screwdriver battery, 3.3 Volt (+/- 100 mV), max. 0.5 A
Product component / Backup battery	No

Memory

Type of memory	FLASH
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	25 mm
Height	18 mm
Depth	25 mm
Net weight	6 g
Mounting type	customer specific mounting

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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