

### product type designation

### Transponder RTLS4083T FCC

SIMATIC RTLS transponder RTLS4083T, UWB/Phase, FCC

Minimum ordering quantity = 5 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
transfer rate / 1 / with radio transmission / maximum	850 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

product component / backup battery	Yes
product feature / replaceable battery	No

battery life / typical	1 y
<b>memory</b>	
type of memory	FLASH
number of write cycles / at ambient temperature < 40 °C / maximum	100000
data retention time / at ambient temperature < 40 °C / not less than	20 y
property of memory	Configuration memory
<b>mechanical data</b>	
material	PC
color	Ti gray
<b>ambient conditions</b>	
ambient temperature	
• during read/write access	0 ... 40 °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	95 mm
height	13 mm
depth	62 mm
net weight	85 g
mounting type	Cable ties, mounting clips
<b>product features, product functions, product components / general</b>	
display version	1 two-color LED, 2.7" ePaper display with 296 x 128 pixels
operator element version	1 function key
product feature	
• silicon-free	Yes
<b>further information / internet-Links</b>	
Internet-Link	
• to website: Industrial communication	<a href="http://www.siemens.com/simatic-rtls">http://www.siemens.com/simatic-rtls</a>
• to website: Industry Mall	<a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>
• to website: Information and Download Center	<a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a>
• to website: Image database	<a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>
• to website: CAx Download Manager	<a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>
• to website: Industry Online Support	<a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
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