

Product type designation

**Transponder PCB OEM CHIRP**

SIMATIC RTLS transponder, OEM PCB Chirp Chirp,



Suitability for operation

RTLS4000 with chirp technology, electronics with remote antenna

### Radio frequencies

Operating frequency	2400 ... 2480 MHz
Range / maximum	1000 m; Range information for open air applications; always follow the manual
Accuracy of localization	
• typical	1.5 m
Protocol / with radio transmission	IEEE 802.15.4a CSS
Transfer rate / with radio transmission / maximum	1000 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. 0.2 A
Product component / Backup battery	No
Type of electrical connection / for external antenna(s)	17 x 9.5 mm remote antenna with 5 cm line

### 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"> <li>during read/write access</li> </ul>	-25 ... +70 °C
<ul style="list-style-type: none"> <li>outside the read/write area</li> </ul>	-25 ... +70 °C
<ul style="list-style-type: none"> <li>during storage</li> </ul>	-25 ... +70 °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
-----------------	-----

### Further information / Internet-Links

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

**last modified:** 06/10/2020