

### Product type designation

### Anchor RTLS4420A

SIMATIC RTLS anchor RTLS4420A, chirp, IP20 for standard mounting rail, for external antenna with RSMA



Suitability for operation	RTLS4400 with Chirp technology, DIN rail mounting
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### Radio frequencies

Operating frequency	2400 ... 2480 MHz
Transmit power	0.00025 ... 100 mW
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

### Interfaces

Number of external antennas	1
Standard for interfaces / for communication	MESH Network
Type of electrical connection	<ul style="list-style-type: none"> <li>• for external antenna(s) RSMA female</li> <li>• for supply voltage Plug-in connector 5-pin</li> <li>• at the digital inputs/outputs Plug-in connector 5-pin</li> </ul>
Number of digital inputs	0
Number of digital outputs	1

Mechanical data	
Material	plastic
Color	light grey

Supply voltage, current consumption, power loss	
Supply voltage	
<ul style="list-style-type: none"> <li>• at DC / Rated value</li> <li>• at DC</li> </ul>	24 V 8 ... 30 V
Consumed current / at DC / at 24 V	
<ul style="list-style-type: none"> <li>• maximum</li> </ul>	0.2 A

Ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> <li>• during operation</li> <li>• during storage</li> <li>• during transport</li> </ul>	-40 ... +70 °C -40 ... +70 °C -40 ... +70 °C
Protection class IP	IP40

Design, dimensions and weights	
Width	35 mm
Height	58 mm
Depth	86 mm
Net weight	0.08 kg
Mounting type	Standard rail DIN 60 715 TH35
Wire length	
<ul style="list-style-type: none"> <li>• of antenna cable / minimum</li> <li>• of antenna cable / maximum</li> </ul>	2 m 3 m

Product features, product functions, product components / general	
Display version	Two LEDs

Standards, specifications, approvals	
Certificate of suitability	EU conformity according to RED, RoHS, FCC, Canada ICES-003
Certificate of suitability	
<ul style="list-style-type: none"> <li>• IECEx</li> </ul>	No

accessories	
accessories	Antenna cable RSMA male, external antenna

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

- to website: Industry Online Support

<https://support.industry.siemens.com>

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