SIEMENS

Product type designation	Gateway RTLS4420G
	SIMATIC RTLS Gateway RTLS4420G, Chirp, IP20 for standard rail, for external Antenna with RSMA

Suitability for operation	RTLS4400 with Chirp technology, DIN rail mounting

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	Ethernet, MESH Network
Type of electrical connection	
• for external antenna(s)	RSMA female
• for supply voltage	Plug-in connector 5-pin
• for communications interface	RJ45
• at the digital inputs/outputs	Plug-in connector 5-pin
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	
• at DC / Rated value	24 V
• at DC	8 ... 30 V
Consumed current / at DC / at 24 V	
• maximum	0.2 A

Ambient conditions

Ambient temperature	
• during operation	-40 ... +70 °C
• during storage	-40 ... +70 °C
• during transport	-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	
• of antenna cable / minimum	2 m
• of antenna cable / maximum	3 m

Product features, product functions, product components / general

Display version	Two LEDs
Protocol / is supported / Media Redundancy Protocol (MRP)	No
Protocol / is supported	
• LLDP	No
• PROFINET IO protocol	No
• TCP/IP	Yes
• SNMP v1	No
• SNMP v2	No
• SNMP v3	No
• DCP	No
• EtherNet/IP protocol	No

Standards, specifications, approvals

Certificate of suitability	EU conformity according to RED, RoHS, FCC, Canada ICES-003

Certificate of suitability	
• IECEx	No

accessories	
accessories	Antenna cable RSMA male, external antenna

Further information / Internet-Links	
Internet-Link	
• to website: Industrial communication	http://www.siemens.com/simatic-rtls
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb
• to website: CAx Download Manager	http://www.siemens.com/cax
• to website: Industry Online Support	https://support.industry.siemens.com
last modified:	07/20/2020

07/29/2020