

Product type designation

Transponder RTLS4460T

SIMATIC RTLS transponder RTLS4460T, chirp, IP20, for external antenna with RSMA, with 16-pole binder connector



Suitability for operation

RTLS4000 with chirp technology

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	Connection plug 16-pin, 10 to 30 Volt, max. 1.6 W
Product component / Backup battery	No
Type of electrical connection / for external antenna(s)	RSMA female

Memory

Type of memory	FLASH
Data retention time / at ambient temperature < 40 °C / not less than	20 y
Property of memory	Configuration memory

Mechanical data	
Material	FR ABS
Color	grey
Tightening torque / of the screw for securing the equipment / maximum	0.6 N·m

Ambient conditions	
Ambient temperature	
<ul style="list-style-type: none"> during read/write access 	-40 ... +70 °C
<ul style="list-style-type: none"> outside the read/write area 	-40 ... +70 °C
<ul style="list-style-type: none"> during storage 	-40 ... +70 °C
Protection class IP	IP20

Design, dimensions and weights	
Width	138 mm
Height	31 mm
Depth	62 mm
Net weight	125 g
Mounting type	4 x M4 screws with countersunk head

Product features, product functions, product components / general	
Display version	3 LEDs
Operator element version	16-pin connector WR-MPC4 for 5 DI (24 V), 5 DO (max. 250 mA), CAN bus, VCC 24V DC

Standards, specifications, approvals	
Certificate of suitability	EU conformity according to RED, RoHS, FCC, Canada ICES-003, motor vehicle registration E1 (ECE test symbol), railway approval: EN 50121, EN 50155, EN 45545

accessories	
accessories	WR-MPC4 16-pin plug with crimp contacts, antenna cable, antennas, 2 A fuse

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

last modified: 06/10/2020