## SIEMENS

## Data sheet

## 6GT2700-3DA13

SIMATIC RTLS transponder RTLS4030T, UWB/phase, FCC



radio frequencies         operating frequency / 1       31007000 MHz; depending on the country approvals         anage / 1 / namimum       30 m; Range information for open air applications; always follow the manual         accuracy of localization / 1       0.1 m         • typical       0.1 m         protocol / 1 / with radio transmission       IEEE 802.15.4.2015 UWB IRP PHY         transfer rate / 1 / with radio transmission / maximum       850 kbit/s         operating frequency / 2       24002480 MHz; depending on the country approvals         arger / 2 / maximum       550 m; Range information for open air applications; always follow the manual         accuracy of localization / 2       50 m; Range information for open air applications; always follow the manual         accuracy of localization / 2       3 m         • typical       3 m         arger / 1 / with radio transmission       IEEE 802.15.4         transfer rate / 2 / with radio transmission / maximum       1000 kbit/s         oloctrical data       1000 kbit/s         orduct domponent / backup battery       Yes         product fasture / replaceable battery       Yes         <	suitability for operation	RTLS4000 with UWB, phase technology
range / 1 / maximum       30 m; Range information for open air applications; always follow the manual         accuracy of localization / 1       0.1 m         • typical       0.1 m         protocol / 1 / with radio transmission / maximum       850 kbits         operating frequency / 2       2400 2480 MHz; depending on the country approvals         arage / 2 / maximum       50 m; Range information for open air applications; always follow the manual         accuracy of localization / 2       4400 2480 MHz; depending on the country approvals         ot typical       3 m         protocol / 2 / with radio transmission / maximum       1000 kbit/s         alectrical data	radio frequencies	
accuracy of localization / 1     0.1 m       • typical     0.1 m       protocol / 1 / with radio transmission / maximum     850 kbl/s       operating frequency / 2     2400 2480 MHz; depending on the country approvals       operating frequency / 2     2400 2480 MHz; depending on the country approvals       operating frequency / 2     3 m       accuracy of localization / 2     3 m       • typical     3 m       protocol / 2 / with radio transmission / maximum     1000 kbit/s       electrical data     1000 kbit/s       gederticel data     1000 kbit/s       optical component / backup battery     Yes       product facture / replaceable battery     Yes       product facture / replaceable battery     Yes       property of memory     Configuration memory       type of memory     FLASH     20 a       data retention time / at ambient temperature < 40 °C / not less	operating frequency / 1	3100 7000 MHz; depending on the country approvals
• typical0.1 mprotocol /1 / with radio transmission / maximumEEE 802.15.4.2015 UWB HRP PHYtransfer rate /1 / with radio transmission / maximum850 kbitsoperating frequency /224002480 MHz; depending on the country approvalsaccuracy of localization /250 m; Range information for open air applications; always follow the manualaccuracy of localization /23 m• typical3 mprotocol /2 / with radio transmission / maximumIEEE 802.15.4transfer rate /2 / with radio transmission / maximum100 kbit/selectrical data	range / 1 / maximum	30 m; Range information for open air applications; always follow the manual
protocol /1         IEEE 802.15.4-2015 UWB HRP PHY           transfer rate / 1 / with radio transmission / maximum         850 kbit/s           operating frequency / 2         2400 2480 MHz; depending on the country approvals           arage / 2 / maximum         50 m; Range information for open air applications; always follow the manual           accuracy of localization / 2         50 m; Range information for open air applications; always follow the manual           accuracy of localization / 2         3 m           protocol / 2 / with radio transmission / maximum         1000 kbit/s           ot typical         3 m           protocol / 2 / with radio transmission / maximum         1000 kbit/s           olectrical data	accuracy of localization / 1	
transfer rate / 1 / with radio transmission / maximum         850 kblt/s           operating frequency / 2         2400 2480 MHz; depending on the country approvals           range / 2 / maximum         50 m; Range information for open air applications; always follow the manual           accuracy of focilization / 2         3 m           • typical         3 m           protocol / 2 / with radio transmission         IEEE 802.15.4           transfer rate / 2 / with radio transmission / maximum         1000 kbit/s           destrical data	• typical	0.1 m
operating frequency / 2         2400 2480 MHz; depending on the country approvals           range / 2 / maximum         50 m; Range information for open air applications; always follow the manual           accuracy of localization / 2         -           • typical         3 m           protocol / 2 / with radio transmission         IEEE 802.15.4           transfer rate / 2 / with radio transmission / maximum         1000 kbit/s           olectrical data         -           type of voltage supply         battery           product component / backup battery         Yes           product feature / replaceable battery         Yes           battery life / typical         1 a; Standby mode: 1 year, UWB localization 1 second cycle: 6 months           memory         FLASH           data retention time / at ambient temperature < 40 °C / not less	protocol / 1 / with radio transmission	IEEE 802.15.4-2015 UWB HRP PHY
range / 2 / maximum         50 m; Range information for open air applications; always follow the manual           accuracy of localization / 2         3 m           • typical         3 m           protocol / 2 / with radio transmission         IEEE 802.15.4           transfer rate / 2 / with radio transmission / maximum         1000 kbit/s           olectrical data	transfer rate / 1 / with radio transmission / maximum	850 kbit/s
accuracy of localization / 2     3 m       ypical     3 m       protocol / 2 / with radio transmission     IEEE 802.15.4       transfer rate / 2 / with radio transmission / maximum     1000 kbit/s       olectrical data     1000 kbit/s       ype of voltage supply     battery       product component / backup battery     Yes       product feature / replaceable battery     Yes       battery life / typical     1 a; Standby mode: 1 year, UWB localization 1 second cycle: 6 months       memory     Yes       type of memory     Configuration memory       data retention time / at ambient temperature < 40 °C / not less than	operating frequency / 2	2400 2480 MHz; depending on the country approvals
• typical         3 m           protocol / 2 / with radio transmission         IEEE 802.15.4           transfer rate / 2 / with radio transmission / maximum         1000 kbit/s           electrical data	range / 2 / maximum	50 m; Range information for open air applications; always follow the manual
of         IEEE 802.15.4           transfer rate / 2 / with radio transmission / maximum         1000 kbit/s           electrical data         Intervent of voltage supply           type of voltage supply         battery           product component / backup battery         Yes           product component / backup battery         Yes           battery life / typical         1 a; Standby mode: 1 year, UWB localization 1 second cycle: 6 months           memory         Yes           type of memory         FLASH           data retention time / at ambient temperature < 40 °C / not less	accuracy of localization / 2	
transfer rate / 2 / with radio transmission / maximum         1000 kbit/s           electrical data            type of voltage supply         battery           product component / backup battery         Yes           product feature / replaceable battery         Yes           battery life / typical         1 a; Standby mode: 1 year, UWB localization 1 second cycle: 6 months           memory         Yes           type of memory         FLASH           data retention time / at ambient temperature < 40 °C / not less	• typical	3 m
electrical data           type of voltage supply         battery           product component / backup battery         Yes           product feature / replaceable battery         Yes           battery life / typical         1 second cycle: 6 months           memory         FLASH           data retention time / at ambient temperature < 40 °C / not less than         20 a           property of memory         Configuration memory           mechanical data         Configuration memory           mechanical data         PC (translucent)           color         Gray.           tightening torque / of the screw for securing the equipment / maximum         0.4 N·m           ambient conditions         -10 +50 °C           e during read/write access         -10 +50 °C           e outside the read/write area         -10 +50 °C           e during storage         -10 +50 °C           e during storage         -10 +50 °C           width         68 mm           height         30 mm	protocol / 2 / with radio transmission	IEEE 802.15.4
type of voltage supply         battery           product component / backup battery         Yes           product feature / replaceable battery         Yes           battery life / typical         1 a; Standby mode: 1 year, UWB localization 1 second cycle: 6 months           memory	transfer rate / 2 / with radio transmission / maximum	1000 kbit/s
product component / backup battery         Yes           product feature / replaceable battery         Yes           battery life / typical         1 a; Standby mode: 1 year, UWB localization 1 second cycle: 6 months           memory            type of memory         FLASH           data retention time / at ambient temperature < 40 °C / not less	electrical data	
product feature / replaceable battery         Yes           battery life / typical         1 a; Standby mode: 1 year, UWB localization 1 second cycle: 6 months           memory         FLASH           data retention time / at ambient temperature < 40 °C / not less than         20 a           property of memory         Configuration memory           mechanical data         Configuration memory           mechanical data         PC (translucent)           color         Gray.           tightening torque / of the screw for securing the equipment / maximum         0.4 N·m           ambient conditions         -10 +50 °C           e outside the read/write area         -10 +50 °C           e outside the read/write area         -10 +50 °C           e during storage         -10 +50 °C           protection class IP         IP54           design, dimensions and weights         89 mm           width         89 mm           height         30 mm           height         30 mm	type of voltage supply	battery
battery life / typical         1 a; Standby mode: 1 year, UWB localization 1 second cycle: 6 months           memory         FLASH           data retention time / at ambient temperature < 40 °C / not less than         20 a           property of memory         Configuration memory           mechanical data         Configuration memory           material         PC (translucent)           color         Gray.           tightening torque / of the screw for securing the equipment / maximum         0.4 N·m           ambient conditions         -10 +50 °C           e during read/write access         -10 +50 °C           e during storage         -10 +50 °C           protection class IP         IP54           design, dimensions and weights         30 mm           width         89 mm           height         30 mm           depth         29 mm	product component / backup battery	Yes
memory       FLASH         data retention time / at ambient temperature < 40 °C / not less than       20 a         property of memory       Configuration memory         material       PC (translucent)         color       Gray.         tightening torque / of the screw for securing the equipment / maximum       0.4 N·m         ambient conditions       -10 +50 °C         ambient temperature       -10 +50 °C         • during read/write access       -10 +50 °C         • during storage       -10 +50 °C         • during storage       -10 +50 °C         width       89 mm         height       30 mm         depth       29 mm	product feature / replaceable battery	Yes
type of memory         FLASH           data retention time / at ambient temperature < 40 °C / not less than         20 a           property of memory         Configuration memory           mechanical data         Configuration memory           material         PC (translucent)           color         Gray.           tightening torque / of the screw for securing the equipment / maximum         0.4 N·m           ambient conditions	battery life / typical	1 a; Standby mode: 1 year, UWB localization 1 second cycle: 6 months
data retention time / at ambient temperature < 40 °C / not less than       20 a         property of memory       Configuration memory         mechanical data       PC (translucent)         color       Gray.         tightening torque / of the screw for securing the equipment / maximum       0.4 N·m         ambient conditions       0.4 N·m         ambient conditions       -10 +50 °C         outside the read/write access       -10 +50 °C         outside the read/write area       -10 +50 °C         outside the read/write area       -10 +50 °C         e during storage       -10 +50 °C         protection class IP       IP54         design, dimensions and weights       30 mm         width       89 mm         height       30 mm         depth       29 mm	memory	
than         Configuration memory           property of memory         Configuration memory           mechanical data         PC (translucent)           material         PC (translucent)           color         Gray.           tightening torque / of the screw for securing the equipment / maximum         0.4 N·m           ambient conditions         0.4 N·m           ambient temperature         -10 +50 °C           • during read/write access         -10 +50 °C           • outside the read/write area         -10 +50 °C           • during storage         -10 +50 °C           protection class IP         IP54           design, dimensions and weights         89 mm           midth         89 mm           height         30 mm           depth         29 mm	type of memory	FLASH
mechanical data       PC (translucent)         color       Gray.         tightening torque / of the screw for securing the equipment / maximum       0.4 N·m         ambient conditions       0.4 N·m         ambient conditions       -10 +50 °C         • during read/write access       -10 +50 °C         • outside the read/write area       -10 +50 °C         • during storage       -10 +50 °C         protection class IP       IP54         design, dimensions and weights       89 mm         width       89 mm         height       30 mm         depth       29 mm		20 a
material       PC (translucent)         color       Gray.         tightening torque / of the screw for securing the equipment / maximum       0.4 N·m         ambient conditions       0.4 N·m         ambient conditions	property of memory	Configuration memory
colorGray.tightening torque / of the screw for securing the equipment / maximum0.4 N·mambient conditions	mechanical data	
tightening torque / of the screw for securing the equipment / maximum       0.4 N·m         ambient conditions       ambient temperature         ambient temperature       -10 +50 °C         outside the read/write area       -10 +50 °C         outside the read/write area       -10 +50 °C         outside the read/write area       -10 +50 °C         protection class IP       IP54         design, dimensions and weights       89 mm         width       89 mm         height       30 mm         geth       29 mm	material	PC (translucent)
maximum     ambient conditions       ambient temperature     -10 +50 °C       • during read/write access     -10 +50 °C       • outside the read/write area     -10 +50 °C       • during storage     -10 +50 °C       protection class IP     IP54       design, dimensions and weights     89 mm       width     89 mm       height     30 mm       geth     29 mm	color	Gray.
ambient temperature• during read/write access-10 +50 °C• outside the read/write area-10 +50 °C• during storage-10 +50 °C• protection class IPIP54design, dimensions and weightswidth89 mmheight30 mm29 mm29 mm		0.4 N·m
• during read/write access-10 +50 °C• outside the read/write area-10 +50 °C• during storage-10 +50 °C• protection class IPIP54design, dimensions and weights89 mmwidth89 mmheight30 mm29 mm29 mm	ambient conditions	
• outside the read/write area-10 +50 °C• during storage-10 +50 °Cprotection class IPIP54design, dimensions and weights89 mmwidth89 mmheight30 mmdepth29 mm	ambient temperature	
• during storage     -10 +50 °C       protection class IP     IP54       design, dimensions and weights     89 mm       width     89 mm       height     30 mm       depth     29 mm	-	-10 +50 °C
protection class IP     IP54       design, dimensions and weights     89 mm       width     89 mm       height     30 mm       depth     29 mm	outside the read/write area	-10 +50 °C
protection class IP     IP54       design, dimensions and weights     89 mm       width     89 mm       height     30 mm       depth     29 mm	during storage	-10 +50 °C
width89 mmheight30 mmdepth29 mm		IP54
height     30 mm       depth     29 mm	design, dimensions and weights	
height     30 mm       depth     29 mm		89 mm
depth 29 mm		30 mm
	· · · ·	29 mm
	net weight	90 g

fastening method	2 x M2.5 screws, cable ties
product features, product functions, product components / general	
display version	1 two-color LED
standards, specifications, approvals	
certificate of suitability	EU conformity according to RED, RoHS, FCC
accessories	
accessories	CR123A replacement battery
further information / internet links	
internet link	
<ul> <li>to website: Industrial communication</li> </ul>	http://www.siemens.com/simatic-rtls
<ul> <li>to website: Industry Mall</li> </ul>	https://mall.industry.siemens.com
<ul> <li>to website: Information and Download Center</li> </ul>	http://www.siemens.com/industry/infocenter
<ul> <li>to website: Image database</li> </ul>	http://automation.siemens.com/bilddb
<ul> <li>to website: CAx-Download-Manager</li> </ul>	http://www.siemens.com/cax
to website: Industry Online Support	https://support.industry.siemens.com

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