## SIEMENS

## Data sheet

## 6GT2821-6AC10



## RF260R reader

modules

SIMATIC RF200 Reader RF260R; RS422 interface (3964R); IP67, -25 to +70 °C; 75x 75x 40 mm; with integrated antenna.

ISO 15693 Transponder (MDS Dxxx), for connecting to communication

suitability for operation

Partice Inequency / rated value         13.56 MHz           range / maximum         135 mm; Range is dependent on transponder type: observe http://support.automation.siemens.com/WW/view/en/87384964           protocol / with radio transmission         150.15693, ISO 15000-3           transfer rate / with radio transmission / maximum         26.5 kbit/s           product feature / multiag-capable         No           electrical data         152.2 kbit/s           transfer rate / at the point-to-point connection / serial / maximum         115.2 kbit/s           transmission time / for user data         0.6 ms           • for write access / per byte / typical         0.6 ms           • for write access / per byte / typical         0.6 ms           transfer rate / at the point-to-point connection         R5422           type of electrical connection         M12, 8-pin           mochanical data         maximum           maximum         1.5 N-m           mouting distance / relating to metal surfaces / recommended /         0 mm           supply voltage, current consumption, power loss         supply voltage, current consumption, power loss           supply voltage         24 V         e at DC           e at DC         20.4 28.8 V           consumed current / at DC         -20 470 °C           e during strate         -		moduloo
range / maximum       135 mm; Range is dependent on transponder type: observe intp://support.automation.siemes.com/WWI/sewien/67384964         protocol / with radio transmission       ISO 1693, ISO 18000-3         transfer rate / with radio transmission / maximum       26.5 kbit/s         product feature / multitag-capable       No         offertical data       ISO 1693, ISO 18000-3         transfer rate / at the point-to-point connection / serial / maximum       115.2 kbit/s         transfer rate / at the point-to-point connection / serial / maximum       115.2 kbit/s         transfer rate / at the point-to-point connection / serial / maximum       115.2 kbit/s         transfer rate / at the point-to-point connection / serial / maximum       115.2 kbit/s         transfer rate / at the point-to-point connection / serial / maximum       0.6 ms         • for wise access / per byte / typical       0.6 ms         • for rise access / per byte / typical       0.6 ms         type of electrical connection       M12, 8-pin         material       PA6.6         color       anthracite         tightening torque / of the screw for securing the equipment / maximum       1.5 N·m         material       Q4.0         supply voltage       24 V         • at DC       2.4 ··· 28.8 V         consumed current / at DC       0.05 A	radio frequencies	
Intp://support.automation.siemens.com/WWW/viewien/67384964           protocol / with radio transmission / maximum         ISO 15693, ISO 18000-3           transfer rate / with radio transmission / maximum         26.5 Kb/l/s           product feature / multitag-capable         No           electrical data         Itansfer rate / at the point-to-point connection / serial / maximum         115.2 kb/l/s           transmission time / for user data         0.6 ms         0.6 ms           • for write access / per byte / typical         0.6 ms           • for rate access / per byte / typical         0.6 ms           interfaces		
transfer rate / with radio transmission / maximum     28.5 kbit/s       product feature / multilag-capable     No       stansfer rate / at the point-to-point connection / serial / maximum     115.2 kbit/s       transmission time / for user data     0.6 ms       • for write access / per byte / typical     0.6 ms       interfaces     0.6 ms       standard for interfaces / for communication     RS422       type of electrical connection     M12, 8-pin       mechanical data     material       material     PA6.6       color     anthracite       tightening torque / of the screw for securing the equipment /     1.5 N·m       maximum     0 mm       supply voltage     24 V       • at DC / rated value     24 V       • at DC     20.4 28.8 V       consumed current / at DC     0.05 A       ambient conditions     -20 +70 °C       ambient conditions     -20 +70 °C       of uring transport     -25 +80 °C       protection class IP     IP67       shock resistance     EN 60721-3-7 Class 7 M2       shock resistance     EN 60721-3-7 Class 7 M2	range / maximum	
product feature / multitag-capable         No           electrical data         Itansfer rate / at the point-to-point connection / serial / maximum         115.2 kbit/s           transmission time / for user data         0.6 ms         0.6 ms           • for read access / per byte / typical         0.6 ms         0.6 ms           interfaces         standard for interfaces / for communication         RS422           type of electrical connection         M12, 8-pin           material         OA.6.6           color         anthracite           tightening torque / of the screw for securing the equipment / maximum         1.5 N·m           mounting distance / relating to metal surfaces / recommended / minimum         0 mm           supply voltage, current consumption, power loss         24 V           • at DC         20.4 28.8 V           consumed current / at DC         0.05 A           amblent conditions         -20 +70 °C           amblent temperature         -20 +70 °C           • during torage         -25 +80 °C           • during torage         -25	protocol / with radio transmission	ISO 15693, ISO 18000-3
electrical data       115.2 kbit/s         transfer rate / at the point-to-point connection / serial / maximum       115.2 kbit/s         transmission time / for user data       0.6 ms         • for read access / per byte / typical       0.6 ms         • for read access / per byte / typical       0.6 ms         interfaces       115.2 kbit/s         standard for interfaces / for communication       RS422         type of electrical connection       M12, 8-pin         mechanical data	transfer rate / with radio transmission / maximum	26.5 kbit/s
transfer rate / at the point-to-point connection / serial / maximum       115.2 kbit/s         transmission time / for user data       0.6 ms         • for write access / per byte / typical       0.6 ms         • for read access / per byte / typical       0.6 ms         intorfaces       9         standard for interfaces / for communication       RS422         type of electrical connection       M12, 8-pin         mechanical data       9A6.6         color       anthracite         tightening torque / of the screw for securing the equipment / maximum       1.5 N-m         mounting distance / relating to metal surfaces / recommended / maximum       0 mm         supply voltage, current consumption, power loss       9         supply voltage, current consumption, power loss       9         supply voltage       24 V         • at DC / rated value       24 V         • at 24 V / typical       0.05 A         ambient conditions       -20 +70 °C         ambient temperature       -20 +70 °C         • during storage       -25 +80 °C         • during torapsort       -25 +70 °C	product feature / multitag-capable	No
transmission time / for user data       0.6 ms         • for write access / per byte / typical       0.6 ms         • for read access / per byte / typical       0.6 ms         interfaces       5         standard for interfaces / for communication       RS422         type of electrical connection       M12, 8-pin         material       PA6.6         color       anthracite         tightening torque / of the screw for securing the equipment / maximum       1.5 N·m         mouting distance / relating to metal surfaces / recommended / minimum       0 mm         supply voltage,       4 V         • at DC / rated value       24 V         • at 24 V / typical       0.05 A         ambient temperature       0.05 A         ambient temperature	electrical data	
• for write access / per byte / typical0.6 ms• for read access / per byte / typical0.6 msinterfacesstandard for interfaces / for communicationRS422type of electrical connectionM12, 8-pinmechanical datamaterialPA6.6coloranthracitetightening torque / of the screw for securing the equipment / minimum1.5 N·mmounting distance / relating to metal surfaces / recommended / minimum0 mmsupply voltage0 mm• at DC / rated value24 V• at DC20.4 28.8 Vconsumed current / at DC • at 24 V / typical0.05 Aambient conditions 20 470 °C• during operation-20 470 °C• during storage-25 480 °C• during targage-25 480 °C• shock acceleration500 m/s²vibrational acceleration200 m/s²	transfer rate / at the point-to-point connection / serial / maximum	115.2 kbit/s
	transmission time / for user data	
interfaces         standard for interfaces / for communication       RS422         type of electrical connection       M12, 8-pin         metenalical data       PA6.6         color       anthracite         tightening torque / of the screw for securing the equipment / maximum       1.5 N·m         mounting distance / relating to metal surfaces / recommended /       0 mm         supply voltage, current consumption, power loss       supply voltage         • at DC / rated value       24 V         • at DC       204 28.8 V         consumed current / at DC       0.05 A         ambient conditions       -20 +70 °C         • during operation       -20 +70 °C         • during storage       -25 +80 °C         • during transport       -25 +80 °C	<ul> <li>for write access / per byte / typical</li> </ul>	0.6 ms
standard for interfaces / for communication       R\$422         type of electrical connection       M12, 8-pin         material       PA6.6         color       anthracite         tightening torque / of the screw for securing the equipment /       1.5 N·m         maximum       0 mm         mounting distance / relating to metal surfaces / recommended /       0 mm         supply voltage, current consumption, power loss       supply voltage         • at DC / rated value       24 V         • at DC       20.4 28.8 V         consumed current / at DC       0.05 A         ambient conditions       -20 +70 °C         ambient conditions       -25 +80 °C         • during storage       -25 +80 °C         • during transport       -25 +80 °C         • protection class IP       IP67         shock resistance       EN 60721-3-7 Class 7 M2         shock acceleration       500 m/s²         vibrational acceleration       200 m/s²	<ul> <li>for read access / per byte / typical</li> </ul>	0.6 ms
type of electrical connection         M12, 8-pin           mechanical data         PA6.6           color         anthracite           tightening torque / of the screw for securing the equipment / maximum         1.5 N·m           mounting distance / relating to metal surfaces / recommended / minimum         0 mm           supply voltage, current consumption, power loss         0 mm           supply voltage, current consumption, power loss         24 V           e at DC / rated value         24 V           e at DC         20.4 28.8 V           consumed current / at DC         0.05 A           ambient conditions         -20 +70 °C           e during operation         -25 +80 °C           e during transport         -25 +80 °C           protection class IP         IP67           shock resistance         EN 60721-3-7 Class 7 M2           shock acceleration         500 m/s²	interfaces	
material       PA6.6         color       anthracite         tightening torque / of the screw for securing the equipment / maximum       1.5 N·m         mounting distance / relating to metal surfaces / recommended / minimum       0 mm         supply voltage, current consumption, power loss         supply voltage       24 V         • at DC / rated value       24 V         • at DC / rated value       20.4 28.8 V         consumed current / at DC       0.05 A         ambient conditions       0.05 A         ambient temperature       -20 +70 °C         • during operation       -25 +80 °C         • during transport       -25 +80 °C         protection class IP       IP67         shock resistance       EN 60721-3-7 Class 7 M2         shock acceleration       500 m/s²	standard for interfaces / for communication	R\$422
material       PA6.6         color       anthracite         tightening torque / of the screw for securing the equipment / maximum       1.5 N·m         mounting distance / relating to metal surfaces / recommended / minimum       0 mm         supply voltage, current consumption, power loss         supply voltage       24 V         • at DC / rated value       24 V         • at DC       20.4 28.8 V         consumed current / at DC       0.05 A         ambient conditions       0.05 A         ambient conditions       -20 +70 °C         • during operation       -20 +70 °C         • during storage       -25 +80 °C         • during transport       -25 +80 °C         protection class IP       IP67         shock resistance       EN 60721-3-7 Class 7 M2         shock acceleration       500 m/s²         vibrational acceleration       200 m/s²	type of electrical connection	M12, 8-pin
color       anthracite         tightening torque / of the screw for securing the equipment /       1.5 N·m         mounting distance / relating to metal surfaces / recommended /       0 mm         supply voltage, current consumption, power loss       0 mm         supply voltage       24 V         • at DC       20.4 28.8 V         consumed current / at DC       0.05 A         ambient conditions       0.05 A         ambient conditions       -20 +70 °C         • during operation       -20 +70 °C         • during storage       -25 +80 °C         • during transport       -25 +80 °C         protection class IP       IP67         shock resistance       EN 60721-3-7 Class 7 M2         shock acceleration       500 m/s <sup>a</sup>	mechanical data	
tightening torque / of the screw for securing the equipment / maximum       1.5 N·m         mounting distance / relating to metal surfaces / recommended / minimum       0 mm         supply voltage, current consumption, power loss       0 mm         supply voltage, ourrent consumption, power loss       24 V         • at DC / rated value       24 V         • at DC       20.4 28.8 V         consumed current / at DC       0.05 A         • at 24 V / typical       0.05 A         ambient conditions       -20 +70 °C         • during operation       -20 +70 °C         • during storage       -25 +80 °C         • during transport       -25 +80 °C         protection class IP       IP67         shock resistance       EN 60721-3-7 Class 7 M2         shock acceleration       500 m/s²	material	PA6.6
maximum       or maximum         mounting distance / relating to metal surfaces / recommended / minimum       0 mm         supply voltage       0         • at DC / rated value       24 V         • at DC       20.4 28.8 V         consumed current / at DC       0.05 A         • at 24 V / typical       0.05 A         ambient conditions       -20 +70 °C         • during operation       -25 +80 °C         • during storage       -25 +80 °C         • protection class IP       IP67         shock resistance       EN 60721-3-7 Class 7 M2         shock acceleration       200 m/s²	color	anthracite
minimum       supply voltage, current consumption, power loss         supply voltage       24 V         • at DC / rated value       24 V         • at DC       20.4 28.8 V         consumed current / at DC       0.05 A         ambient conditions       0.05 A         ambient temperature       -20 +70 °C         • during operation       -20 +70 °C         • during storage       -25 +80 °C         • during transport       -25 +80 °C         protection class IP       IP67         shock resistance       EN 60721-3-7 Class 7 M2         shock acceleration       500 m/s²         vibrational acceleration       200 m/s²		1.5 N·m
supply voltage       24 V         • at DC       20.4 28.8 V         consumed current / at DC       0.05 A         • at 24 V / typical       0.05 A         ambient conditions	5 5	0 mm
• at DC / rated value24 V• at DC20.4 28.8 Vconsumed current / at DC0.05 A• at 24 V / typical0.05 Aambient conditionsambient temperature-20 +70 °C• during operation-20 +70 °C• during storage-25 +80 °C• during transport-25 +80 °Cshock resistanceEN 60721-3-7 Class 7 M2shock acceleration500 m/s²vibrational acceleration200 m/s²	supply voltage, current consumption, power loss	
	supply voltage	
consumed current / at DC• at 24 V / typical0.05 Aambient conditionsambient temperature• during operation-20 +70 °C• during storage-25 +80 °C• during transport-25 +80 °Cprotection class IPIP67shock resistanceshock acceleration500 m/s²vibrational acceleration200 m/s²	• at DC / rated value	24 V
• at 24 V / typical0.05 Aambient conditionsambient temperature• during operation-20 +70 °C• during storage-25 +80 °C• during transport-25 +80 °Cprotection class IPIP67shock resistanceEN 60721-3-7 Class 7 M2shock acceleration500 m/s²vibrational acceleration200 m/s²	• at DC	20.4 28.8 V
ambient conditions         ambient temperature         • during operation         • during storage         • during transport         • during transport         • protection class IP         shock resistance         EN 60721-3-7 Class 7 M2         shock acceleration         vibrational acceleration	consumed current / at DC	
ambient temperature• during operation• during storage• during storage• during transport-25 +80 °C• during transport-25 +80 °Cprotection class IPIP67shock resistanceshock acceleration500 m/s²vibrational acceleration200 m/s²	• at 24 V / typical	0.05 A
• during operation-20 +70 °C• during storage-25 +80 °C• during transport-25 +80 °C• protection class IPIP67shock resistanceEN 60721-3-7 Class 7 M2shock acceleration500 m/s²vibrational acceleration200 m/s²	ambient conditions	
• during storage     -25 +80 °C       • during transport     -25 +80 °C       protection class IP     IP67       shock resistance     EN 60721-3-7 Class 7 M2       shock acceleration     500 m/s²       vibrational acceleration     200 m/s²	ambient temperature	
• during transport     -25 +80 °C       protection class IP     IP67       shock resistance     EN 60721-3-7 Class 7 M2       shock acceleration     500 m/s²       vibrational acceleration     200 m/s²	during operation	-20 +70 °C
protection class IP     IP67       shock resistance     EN 60721-3-7 Class 7 M2       shock acceleration     500 m/s <sup>2</sup> vibrational acceleration     200 m/s <sup>2</sup>	during storage	-25 +80 °C
shock resistance     EN 60721-3-7 Class 7 M2       shock acceleration     500 m/s <sup>2</sup> vibrational acceleration     200 m/s <sup>2</sup>	during transport	-25 +80 °C
shock acceleration         500 m/s <sup>2</sup> vibrational acceleration         200 m/s <sup>2</sup>	protection class IP	IP67
vibrational acceleration 200 m/s <sup>2</sup>	shock resistance	EN 60721-3-7 Class 7 M2
	shock acceleration	500 m/s²
design, dimensions and weights	vibrational acceleration	200 m/s <sup>2</sup>
	design, dimensions and weights	

width	75 mm
height	41 mm
depth	75 mm
net weight	0.2 kg
fastening method	2 x M5 screws
wire length	
<ul> <li>for RS 422 interface / maximum</li> </ul>	1000 m
product features, product functions, product components / gen	neral
display version	3-color LED
product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	Radio according to R&TTE guidelines EN300 330 and EN 301489, FCC, cULus
certificate of suitability	
• IECEx	No
MTBF	480 a
further information / internet links	
internet link	
<ul> <li>to web page: selection aid TIA Selection Tool</li> </ul>	https://support.industry.siemens.com/cs/ww/en/view/67384964
<ul> <li>to website: Industrial communication</li> </ul>	http://www.siemens.com/ident/rfid
to website: Industry Mall	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
<ul> <li>to website: Industry Online Support</li> </ul>	https://support.industry.siemens.com

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