SIEMENS

Data sheet

6GT2821-1AC10

product type designation

suitability for operation

RF210R reader

SIMATIC RF200 reader RF210R; RS422 interface (3964R); IP67, -25 to +70 °C; M18x 71mm; with integrated antenna.

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



	modules
dio frequencies	
operating frequency / rated value	13.56 MHz
range / maximum	20 mm; Range is dependent on transponder type: observe http://support.automation.siemens.com/WW/view/en/67384964
protocol / with radio transmission	ISO 15693, ISO 18000-3
transfer rate / with radio transmission / maximum	26.5 kbit/s
product feature / multitag-capable	No
lectrical data	
transfer rate / at the point-to-point connection / serial / maximum	115.2 kbit/s
transmission time / for user data	
 for write access / per byte / typical 	0.6 ms
 for read access / per byte / typical 	0.6 ms
iterfaces	
standard for interfaces / for communication	RS422
type of electrical connection	M12, 8-pin
nechanical data	
material	Brass, nickel-plated / PBT
color	silver/pastel turquoise
tightening torque / of the screw for securing the equipment / maximum	20 N·m
mounting distance / relating to metal surfaces / recommended / minimum	0 mm
upply voltage, current consumption, power loss	
supply voltage	
• at DC / rated value	24 V
• at DC	20.4 28.8 V
consumed current / at DC	
• at 24 V / typical	0.05 A
mbient conditions	
ambient temperature	
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/s ²
esign, dimensions and weights	

height	83 mm
diameter	18 mm
net weight	0.065 kg
fastening method	2 nuts M18 x 1 (included in scope of supply)
wire length	
 for RS 422 interface / maximum 	1000 m
product features, product functions, product components /	general
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	505 a
further information / internet links	
internet link	
 to web page: selection aid TIA Selection Tool 	https://support.industry.siemens.com/cs/ww/en/view/67384964
 to website: Industrial communication 	http://www.siemens.com/ident/rfid
 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

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