SIEMENS

Data sheet 6GT2821-4AC11

product type designation	**RF240R reader**



- - spare part - - SIMATIC RF200 Reader RF240R; RS-232 interface (3964R); IP67, -25 to +70 °C; 50x 50x 30 mm; with integrated antenna.

suitability for operation	ISO 15693 Transponder (MDS Dxxx), for connecting to PC systems (3964R protocol)
radio frequencies	
operating frequency / rated value	13.56 MHz
range / maximum	65 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
electrical 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
interfaces	
standard for interfaces / for communication	RS232
type of electrical connection	M12, 8-pin
mechanical data	
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 / at DC	
● rated value	24 V
●	20.4 ... 28.8 V
consumed current / at DC	
● at 24 V / typical	0.05 A
ambient 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/s²
design, dimensions and weights	

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width	50 mm
height	30 mm
depth	50 mm
net weight	0.06 kg
fastening method	2 x M5 screws
wire length	
● with RS 232 interface / maximum	30 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	430 a
further information / internet links	
internet link	
● to web page: selection aid TIA Selection Tool	https://www.siemens.com/tstcloud
● to website: Image database	https://www.automation.siemens.com/bilddb
● to website: CAx-Download-Manager	https://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com

Approvals / Certificates

General Product Approval					EMV
					KC

Radio Equipment Type Approval Certificate			Environment
Miscellaneous	FCC	Miscellaneous	Confirmation

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