MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6GT2821-4AC10

RF240R RS422 RFID READER

Used with the applicable SIMATIC RF200 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens 6GT2821-4AC10 official product data; applicable specification pages.

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Data sheet 6GT2821-4AC10

Product type designation

RF240R reader

SIMATIC RF200 READER RF240R; RS422-INTERFACE (3964R); IP 67, -25 UP TO +70 DGR/C; 50 X 50 X 30 MM; WITH INTEGRATED ANTENNA.



Suitability for operation	ISO 15693 Transponder (MDS Dxxx), for connecting to communication modules
Wireless frequencies	
Operating frequency / Rated value	13.56 MHz
Electrical data	
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
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	RS422
Type of electrical connection	M12, 8-pin

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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
• at DC	20.4 ... 28.8 V
Consumed current / at DC / at 24 V	
• typical	0.05 A

Permitted 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 weight	
Width	50 mm
Height	30 mm
Depth	50 mm
Net weight	0.06 kg
Mounting type	2 x M5 screws
Wire length	
• for RS 422 interface / maximum	1000 m

Product properties, functions, components / general	
Display version	3-color LED
Product feature / silicon-free	Yes

Standards, specifications, approvals	
Certificate of suitability	Wireless according to R&TTE guidelines EN300 330 and EN 301489, FCC, UL/CSA
MTBF	430 y

Further Information / Internet Links	
Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	https://support.industry.siemens.com/cs/ww/en/view/67384964

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• 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
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