SIEMENS

Data sheet 6GT2831-6BA50-0AX0

product type designation	**Reader RF1070R OEM USB/RS232**
	SIMATIC RF1000 Access control reader; RF1070R OEM variant; ISO 14443 A/B Mifare, ISO15693, Legic Prime, Legic Advant; Interfaces USB a. RS232; IP65 front, -25 to +55 °C; 90 x 62 x 25 mm LxWxH; With integrated antenna, incl. 1.8 m USB connecting cable, neutral front foil without company logo enclosed



suitability for operation	Legic, ISO 15693 and ISO 14443 A/B transponder, for connecting to PC and control systems, for front panels with customer-specific design
radio frequencies	
operating frequency / rated value	13.56 MHz
range / maximum	30 mm; Range is dependent on transponder type: observe http://support.automation.siemens.com/WW/view/en/67384964
protocol / with radio transmission	Legic Prime, Legic Advant, ISO 15693, ISO 14443 A/B, chip set: SM4200M, Felica, NXP NTAG21x, HID iClass
transfer rate / with radio transmission / maximum	106 kbit/s
product feature / multitag-capable	Yes
electrical data	
transfer rate / at the point-to-point connection / serial / maximum	115.2 kbit/s
interfaces	
standard for interfaces / for communication	USB 2.0, RS232
type of electrical connection	1.8 m connecting cable with USB 2.0 type A connector or RS232 connecting cable
mechanical data	
material	PC-GF
color	Ti gray
mounting distance / relating to metal surfaces / recommended / minimum	0 mm
supply voltage, current consumption, power loss	
supply voltage	
• at DC / rated value	5 V
• at DC	4.6 ... 5.25 V
consumed current / at DC	
• at 5 V / typical	0.15 A
• at 5 V / maximum	0.3 A
ambient conditions	
ambient temperature	
• during operation	-25 ... +55 °C
• during storage	-25 ... +55 °C
• during transport	-25 ... +55 °C
protection class IP	IP65
shock resistance	EN 60721-3-7 Class 7 M2
shock acceleration	300 m/s²
vibrational acceleration	50 m/s²
design, dimensions and weights	
width	90 mm
height	62 mm

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depth	23.5 mm
net weight	0.12 kg
fastening method	4 M4 screws for cabinet installation
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
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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