SIEMENS

Data sheet 6GT2801-3AB10

Product type designation

RF380R reader

SIMATIC RF300 READER RF380R (RF300+ISO15693) RS422/232-INTERFACE (3964R) IP 67, -10 UP TO +60 DGR/C, 160 X 80 X 41 MM WITH INTEGRATED ANTENNA



Suitability for operation	RF300 and ISO 15693 Transponder (MDS Dxxx), for connecting to communication modules and PC systems
Wireless frequencies	
Operating frequency / Rated value	13.56 MHz
Electrical data	
Range / maximum	200 mm; Range adjustable in reader via transmission power, range is dependent on transponder type: observe http://support.automation.siemens.com/WW/view/en/67384964
Protocol / with radio transmission	RF300-specific, ISO 15693, ISO 18000-3
Transfer rate / with radio transmission / maximum	106 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	0.13 ms
• for read access / per byte / typical	0.13 ms
Interfaces	
Standard for interfaces / for communication	RS422/RS232

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Type of electrical connection	M12, 8-pin

Mechanical data	
Material	PA 12
Color	anthracite
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	0.16 A

Permitted ambient conditions	
Ambient temperature	
• during operation	-25 ... +70 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °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	80 mm
Height	41 mm
Depth	160 mm
Net weight	0.6 kg
Mounting type	4 x M5 screws
Wire length	
• with RS 232 interface / maximum	30 m
• 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 EN 300 330, EN 301489, CE, FCC, UL/CSA, Ex: II 3G Ex nC IIB T5
MTBF	109 y

Further Information / Internet Links	
Internet-Link	

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• to website: Selector SIMATIC NET 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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