SIEMENS

Data sheet	6GT2801-3BA10

product type designation	**RF380R reader**
	SIMATIC RF300 Reader RF380R (GEN2) RS422/232 interface (3964R) IP67, -25 to +70 °C, 160x 80x 41 mm with integrated antenna.

suitability for operation	RF300, ISO 15693 and MOBY E transponder, for connecting to communication modules and PC systems
radio frequencies	
operating frequency / rated value	13.56 MHz
range / maximum	200 mm; 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, ISO 14443
transfer rate / with radio transmission / maximum	106 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	0.13 ms
● for read access / per byte / typical	0.13 ms
interfaces	
standard for interfaces / for communication	RS422/RS232
type of electrical connection	M12, 8-pin
mechanical data	
material	PA 12
color	Ti gray
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	0.15 A
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 weights	

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width	80 mm
height	41 mm
depth	160 mm
net weight	0.6 kg
fastening method	4 x M5 screws
wire length	
● with RS 232 interface / maximum	30 m
● for RS 422 interface / maximum	1000 m
product features, product functions, product components / general	
display version	5-color LED
product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	Radio acc. to R&TTE guidelines EN 300 330, EN 301489, CE, FCC, cULus
certificate of suitability	
● IECEx	No
MTBF	173 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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