SIEMENS

Data sheet

6GT2811-6AB20-4AA0

product type designation



Reader RF650R ARIB

SIMATIC RF600 Reader RF650R ARIB; Interface Ethernet RJ45 4 4 antennas, 4 dig. inputs/ 4 dig. outputs, 24 V DC; IP30; -25 to +55 °C; without accessories and antennas.

suitability for operation	RF600 transponder, for connecting via Ethernet, OPC UA server integrated
adio frequencies	
operating frequency	920 924 MHz
transmit power	3 250 mW
equivalent isotropically radiated power	
 for each external antenna / maximum 	500 mW
range / maximum	4 m; Extended ranges possible, see RF600 System Manual, Range table: http://support.automation.siemens.com/WW/view/en/67384964
protocol / with radio transmission	EPCglobal Class 1 Gen 2 V2 / ISO/IEC 18000-62/-63
transfer rate / with radio transmission / maximum	400 kbit/s
product feature / multitag-capable	Yes
electrical data	
transmission time / for user data	
for write access / per byte / typical	2 ms
 for read access / per byte / typical 	0.15 ms
nterfaces	
number of external antennas	4
standard for interfaces / for communication	Ethernet, OPC UA
type of electrical connection	
for external antenna(s)	RP-TNC
 for supply voltage 	M12, 8-pin, connector
 for communications interface 	RJ45
 at the digital inputs/outputs 	M12, 12-pin, female connector
number of digital inputs	4
number of digital outputs	4
nechanical data	
material	Aluminum, Pocan
color	silver, TI-Grey
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 30 V
consumed current / at DC	
at 24 V / typical	0.37 A
• at 24 V / maximum	2 A
ambient conditions	

 during operation 	-25 +55 °C
during storage	-40 +85 °C
 during transport 	-40 +85 °C
ambient condition / for operation	With operating temperature below -20 °C: Warming-up time at least 10 minutes
protection class IP	IP30
shock resistance	EN 60068-2-27, EN 60068-2-6
shock acceleration	250 m/s²
vibrational acceleration	30 m/s ²
resistance to mechanical stress	The maximum values for shock and vibration acceleration must not occur as continuous stress and they apply exclusively to assembly using screws
design, dimensions and weights	
width	258 mm
height	258 mm
depth	80 mm
net weight	2.4 kg
fastening method	Vesa 100 with 4 x M4 screws, top-hat rail 35 mm, profile rail S7-300, S7-1200
lasterning metriod	or S7-1500
wire length	
of antenna cable / minimum	1 m
of antenna cable / maximum	40 m
product features, product functions, product components / gen	eral
display version	LED row with 6 LEDs
protocol / is supported / Media Redundancy Protocol (MRP)	No
product function / of the PROFINET IO device / is supported / H-	No
Sync forwarding	
protocol / is supported	
• LLDP	Yes
PROFINET IO protocol	No
• TCP/IP	Yes
• SNMP v1	Yes
• SNMP v2	No
SNMP v3	No
• DCP	Yes
EtherNet/IP protocol	No
OPC UA	Yes
product feature / silicon-free	Yes
standards, specifications, approvals	165
	wireless ass to ADID (CTD T407) ODC HALarshadded HA Carrier Desfile
certificate of suitability	wireless acc. to ARIB (STD-T107), OPC UA: embedded UA Server Profile
certificate of suitability	
• IECEX	No
MTBF	31 a
accessories	
accessories	up to 4 external antennas, set for mounting on top-hat rail or profile rail
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: Image databaseto website: CAx-Download-Manager	http://automation.siemens.com/bilddb http://www.siemens.com/cax

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