SIEMENS

Data sheet   **6GT2821-2AC32**

product type designation	**RF220R reader IO-Link**
	SIMATIC RF200 reader RF220R IO-Link IO-Link interface; IP67, -25 to +70 °C; M30x 83 mm; with integrated antenna 8 byte IO; 38.4 Kbit/s.

suitability for operation	ISO 15693 transponder (MDS Dxxx), for connecting to IO-Link Master V1.0
radio frequencies	
operating frequency / rated value	13.56 MHz
range / maximum	35 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
electrical data	
transfer rate / at the point-to-point connection / serial / maximum	38.4 kbit/s
transmission time / for user data	
● for write access / per byte / typical	40 ms
● for read access / per byte / typical	40 ms
data volume / of the address range of the inputs / total	8 byte
data volume / of the address range of the outputs / total	8 byte
interfaces	
standard for interfaces / for communication	IO-Link V1.0
type of electrical connection	M12, 4-pin
mechanical data	
material	Brass, nickel-plated / PBT
color	silver/pastel turquoise
tightening torque / of the screw for securing the equipment / maximum	40 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
ambient conditions	
ambient temperature	
● during operation	-20 ... +70 °C
● during storage	-25 ... +80 °C
● during transport	-25 ... +80 °C
protection class IP	IP67

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shock resistance	EN 60721-3-7 Class 7 M2
shock acceleration	500 m/s²
vibrational acceleration	200 m/s²
design, dimensions and weights	
height	83 mm
diameter	30 mm
net weight	0.14 kg
fastening method	2 nuts M30 x 1.5 (included in scope of supply)
wire length	
● between master and IO-Link device / maximum	20 m
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
MTBF	501 y
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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