SIEMENS

Data sheet   **6GT2821-6BC32**

product type designation	**RF260R reader IO-Link**
	SIMATIC RF200 reader RF260R IO-Link interface V1.1; IP67, -25 to +70 °C; 75x 75x 40 mm; with integrated antenna 32 Byte IO; 230 Kbps

suitability for operation	ISO 15693 transponder (MDS Dxxx), for connecting to IO-Link Master V1.1

radio frequencies	
operating frequency / rated value	13.56 MHz
range / maximum	135 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	230 kbit/s
transmission time / for user data	
• for write access / per byte / typical	3.3 ms
• for read access / per byte / typical	2.4 ms
data volume / of the address range of the inputs / total	32 byte
data volume / of the address range of the outputs / total	32 byte

interfaces	
standard for interfaces / for communication	IO-Link V1.1
type of electrical connection	M12, 4-pin

mechanical data	
material	PA6.6
color	anthracite
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	0.05 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	
width	75 mm
height	41 mm
depth	75 mm
net weight	0.2 kg
fastening method	2 x M5 screws
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	480 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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