

product type designation

RF220R reader

SIMATIC RF200 reader RF220R; RS422 interface (3964R); IP67, -25 to +70 °C; M30x 71mm; with integrated antenna



suitability for operation

ISO 15693 Transponder (MDS Dxxx), for connecting to communication modules

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

115.2 kbit/s

transmission time / for user data

- for write access / per byte / typical
- for read access / per byte / typical

0.6 ms

0.6 ms

interfaces

standard for interfaces / for communication

RS422

type of electrical connection

M12, 8-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	
<ul style="list-style-type: none"> at DC / rated value 	24 V
<ul style="list-style-type: none"> at DC 	20.4 ... 28.8 V
consumed current / at DC / at 24 V	
<ul style="list-style-type: none"> typical 	0.05 A

ambient conditions	
ambient temperature	
<ul style="list-style-type: none"> during operation 	-20 ... +70 °C
<ul style="list-style-type: none"> during storage 	-25 ... +80 °C
<ul style="list-style-type: none"> during transport 	-25 ... +80 °C
protection class IP	IP67
shock resistance	EN 60721-3-7 Class 7 M2
shock acceleration	500 m/s ²
vibrational acceleration	200 m/s ²

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	
<ul style="list-style-type: none"> for RS 422 interface / maximum 	1000 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	
<ul style="list-style-type: none"> IECEX 	No
MTBF	501 y

further information / internet-Links	
Internet-Link	

- to website: Selector TIA Selection Tool
- to website: Industrial communication
- to website: Industry Mall
- to website: Information and Download Center
- to website: Image database
- to website: CAx-Download-Manager
- to website: Industry Online Support

<https://support.industry.siemens.com/cs/ww/en/view/67384964>

<http://www.siemens.com/ident/rfid>

<https://mall.industry.siemens.com>

<http://www.siemens.com/industry/infocenter>

<http://automation.siemens.com/bilddb>

<http://www.siemens.com/cax>

<https://support.industry.siemens.com>

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