

Product type designation



RF240R reader

SIMATIC RF200 READER RF240R; RS422-INTERFACE (3964R); IP 67, -25 UP TO +70 DGR/C; 50 X 50 X 30 MM; WITH INTEGRATED ANTENNA.

Suitability for operation

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

Wireless frequencies

Operating frequency / Rated value 13.56 MHz

Electrical data

Range / maximum	65 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 property / multitag-capable	No
Transfer rate / at the point-to-point connection / serial / maximum	115.2 kbit/s
Transmission time / for user data	
<ul style="list-style-type: none"> • 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	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	
<ul style="list-style-type: none"> • for DC / Rated value • for DC 	24 V
	20.4 ... 28.8 V
Consumed current / for DC / at 24 V	

- typical

0.05 A

Permitted 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
Resistance against vibration	200 m/s ²

Design, dimensions and weight

Width	50 mm
Height	30 mm
Depth	50 mm
Net weight	0.06 kg
Mounting type	2 x M5 screws
Cable length	
<ul style="list-style-type: none"> • for RS 422 interface / maximum 	1000 m

Product properties, functions, components / general

Display version	3-color LED
Product property / silicon-free	Yes

Standards, specifications, approvals

Certificate of suitability	Wireless according to R&TTE guidelines EN300 330 and EN 301489, FCC, UL/CSA
MTBF	430 y

Further Information / Internet Links

Internet-Link	
<ul style="list-style-type: none"> • to website: Selector SIMATIC NET SELECTION TOOL 	http://www.siemens.com/snst
<ul style="list-style-type: none"> • to website: Industrial communication 	http://www.siemens.com/simatic-net
<ul style="list-style-type: none"> • to website: Industry Mall 	https://mall.industry.siemens.com
<ul style="list-style-type: none"> • to website: Information and Download Center 	http://www.siemens.com/automation/net/catalog
<ul style="list-style-type: none"> • to website: Image database 	http://automation.siemens.com/bilddb
<ul style="list-style-type: none"> • to website: CAx Download Manager 	http://www.siemens.com/cax
<ul style="list-style-type: none"> • to website: Industry Online Support 	https://support.industry.siemens.com

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