

Product-type designation		RF210R reader IO-Link
		SIMATIC RF200 READER RF210R IO-LINK IO-LINK-INTERFACE; IP 67, -25 UP TO +70 DGR/C; M18 X 83 MM; WITH INTEGRATED ANTENNA.
Suitability for installation		MOBY D transponder, for connecting to IO-Link master
Wireless frequencies		
Operating frequency / rated value		13.56 MHz
Electrical data		
Range / maximum		20 mm
Protocol / for radio transmission		ISO 15693, ISO 18000-3
Transfer rate / with radio transmission / maximum		26.5 kbit/s
Product property / multitag-capable		No
Transmission rate / at point-to-point connection / serial / maximum		38.4 kbit/s
Transmission time / for user data		
<ul style="list-style-type: none"> for read access / per byte / typical 		40 ms
Interfaces		
Design of the electrical connection		M12, 4-pin
Standard for interfaces / for communication		IO-Link
Mechanical data		
Material		Brass, nickel-plated / PBT
Color		Silver/pastel turquoise
Tightening torque / of screw for mounting the equipment / maximum		20 N·m
Mounting distance / for metal surfaces / recommended / minimum		0 mm
Supply voltage, current consumption, power loss		
Supply voltage / for DC		
<ul style="list-style-type: none"> rated value 		24 V
<ul style="list-style-type: none"> minimum 		20.4 V
<ul style="list-style-type: none"> maximum 		28.8 V
Consumed current / At 24 V / with DC		
<ul style="list-style-type: none"> typical 		0.05 A
Permitted ambient conditions		
Ambient temperature		
<ul style="list-style-type: none"> during operating 		-20 ... +70 °C
<ul style="list-style-type: none"> during storage 		-25 ... +80 °C

• during transport	-25 ... +80 °C
Protection class IP	IP67
Resistance against shock	EN 60721-3-7, Class 7 M2
Resistance against shock	500 m/s ²
Resistance against vibration	200 m/s ²
Design, dimensions and weight	
Height	83 mm
Diameter	18 mm
Net weight	0.065 kg
Type of mounting	2 x M18 nuts (included in scope of supply)
Cable length / between master and IO-Link device / maximum	20 m
Product properties, functions, components / general	
Type of display	3-color LED
Product feature / silicon-free	Yes
Standards, specifications, approvals	
Verification of suitability	Wireless according to R&TTE guidelines EN300 330 and EN 301489, FCC, UL/CSA
Mean time between failures (MTBF)	505 a
letzte Änderung:	Dec 2, 2013