

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.	
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	
• for read access / per byte / typical	40 ms
Interfaces	
Standard for interfaces / for communication	IO-Link
Design of the electrical connection	M12, 4-pin
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	
• rated value	24 V
• minimum	20.4 V
• maximum	28.8 V
Consumed current / At 24 V / with DC	
• typical	0.05 A
Permitted ambient conditions	
Ambient temperature	
• during operating	-20 ... +70 °C
• 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
Mounting type	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
MTBF	505 a
letzte Änderung:	Sep 14, 2014