

Product-type designation	
	
RF290R reader SIMATIC RF200 READER RF290R WITHOUT ANTENNA; WITH SERIAL INTERFACE RS 232/RS 422 SWITCHABLE FOR CONNECT. ANTENNAS ANT D2; ANT D5; ANT D6; ANT D10	
Wireless frequencies	
Operating frequency / rated value	13.56 MHz
Electrical data	
Range / maximum	650 mm
Protocol / for radio transmission	ISO 15693, ISO 18000-3
Transfer rate / with radio transmission / maximum	26.5 kbit/s
Product property / multitag-capable	Yes
Transmission rate / at point-to-point connection / serial / maximum	115.2 kbit/s
Transmission time / for user data	
• for write access / per byte / typical	0.6 ms
• for read access / per byte / typical	0.6 ms
Interfaces	
Design of the electrical connection	M12, 8-pin
Standard for interfaces / for communication	RS422/RS232
Design of electrical connection / at the digital inputs/outputs	M12, 4-pin, female connector
Number of digital inputs	1
Number of digital outputs	1
Mechanical data	
Material	aluminum
Color	Silver/anthracite

Tightening torque / of screw for mounting the equipment / maximum	1.5 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	21.6 V
• maximum	26.4 V
Consumed current / At 24 V / with DC	
• typical	0.4 A
• maximum	0.6 A
Permitted ambient conditions	
Ambient temperature	
• during operating	-20 ... +55 °C
• during storage	-25 ... +85 °C
• during transport	-25 ... +85 °C
Protection class IP	IP65
Resistance against shock	EN 60721-3-7 Class 7 M2
Resistance against shock	300 m/s ²
Resistance against vibration	20 m/s ²
Design, dimensions and weight	
Width	200 mm
Height	80 mm
Depth	140 mm
Net weight	1.8 kg
Mounting type	4 x M6 screws
Cable length	
• with RS 232 interface / maximum	30 m
• for RS 422 interface / maximum	1000 m
Product properties, functions, components / general	
Type of display	4 LEDs
Standards, specifications, approvals	
Verification of suitability	CE, FCC, IC (Canada)
MTBF	18 a
letzte Änderung:	Aug 4, 2014