

Product-type designation **RF220R reader**



SIMATIC RF200 READER RF220R;
RS422-INTERFACE (3964R);
IP 67, -25 UP TO +70 DGR/C;
M30 X 71 MM;
WITH INTEGRATED ANTENNA.

Wireless frequencies

Operating frequency / rated value 13.56 MHz

Electrical data

Range / maximum 35 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 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

Mechanical data

Material Brass, nickel-plated / PBT
 Color Silver/pastel turquoise
 Tightening torque / of screw for mounting the equipment / maximum 40 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	30 mm
Net weight	0.14 kg
Mounting type	2 x M30 nuts (included in scope of supply)
Cable length	
• for RS 422 interface / maximum	1000 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	501 a
letzte Änderung:	Jul 28, 2014