

Product-type designation

RF620R reader CMIIT



SIMATIC RF600 READER RF620R CMIIT (920 ... 925 MHz);
WITH INTERNAL ANTENNA;
INTERFACES: RS422 FOR TIA- INTEGRATION,
1 (R-TNC) FOR EXT. ANTENNA (ALTERNATIVE USE TO
INTERNAL ANTENNA);
IP65, -25 UP TO +55 DGR/C;
(WITHOUT ACCESSORIES)

Suitability for installation

RF600 transponder, for connecting to communication modules

Wireless frequencies

Operating frequency

902 ... 928 MHz

Transmit power

65 ... 500 mW

Electrical data

Range / maximum

5 m

Protocol / for radio transmission

EPCglobal Class 1 Gen 2 / ISO 18000-6C

Transfer rate / with radio transmission / maximum

320 kbit/s

Product property / multitag-capable

Yes

Polarization

Circular

Transmission rate / at point-to-point connection / serial / maximum

115.2 kbit/s

Transmission time / for user data

- for write access / per byte / typical

6.3 ms

- for read access / per byte / typical

1 ms

Interfaces

Design of the electrical connection

M12, 8-pin

Standard for interfaces / for communication

RS422

Mechanical data

Material

Aluminum, ABS (GF20)

Color

Silver/pastel turquoise

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	30 V
Consumed current / At 24 V / with DC	
• typical	0.395 A
• maximum	0.47 A
Permitted ambient conditions	
Ambient temperature	
• during operating	-25 ... +55 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
Protection class IP	IP65
Resistance against shock	EN 60068-2-27, EN 60068-2-6
Resistance against shock	500 m/s ²
Resistance against vibration	200 m/s ²
Design, dimensions and weight	
Width	193 mm
Height	252 mm
Depth	52 mm
Net weight	1.91 kg
Mounting type	4 x M6 screws, Vesa 100 with 4 x M4 screws
Cable length	
• for RS 422 interface / maximum	100 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 CMIIT
MTBF	19 a
letzte Änderung:	Aug 4, 2014