

Product-type designation

RF630R FCC reader



SIMATIC RF600 READER RF630R FCC (902 ... 928 MHz);
 INTERFACE RS422 FOR TIA- INTEGRATION
 CONNECTION OF MAX. 2 EXTERNAL ANTENNAS IP65,
 -25 UP TO +55 DGR/C WITHOUT ACCESSORY AND
 ANTENNAS

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

6 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

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

Number of external antennas

2

Standard for interfaces / for communication

RS422

- for communications interface

M12, 8-pin

Mechanical data

Material

Aluminum, ABS (GF20)

Color

Silver/anthracite

Supply voltage, current consumption, power loss	
Supply voltage	
• for DC / rated value	24 V
• for DC	21.6 ... 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	1.64 kg
Mounting type	4 x M6 screws, Vesa 100 with 4 x M4 screws
Cable length	
• of antenna cable	
• minimum	1 m
• maximum	20 m
• 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	
MTBF	18 a
Accessories	
Accessories	One or 2 external antennas
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