

Product-type designation

RF640R reader CMIIT



SIMATIC RF600 READER RF640R CMIIT (920 ... 925 MHz);
WITH INTERNAL ANTENNA;
INTERFACES: ETHERNET,
2 DIGITAL INPUTS / 2 DIGITAL OUTPUTS,
24 V DC,
1 ANTENNA (R-TNC) ALTERNATIVE FOR USE WITH
INTERNAL ANTENNA;
IP65;
-25 UP TO +55 DGR/C;
WITHOUT ACCESSORY

Suitability for installation

RF600 transponder, for connecting to Ethernet networks

Wireless frequencies

Operating frequency

920 ... 925 MHz

Transmit power

50 ... 1000 mW

Electrical data

Range / maximum

8 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

Internal: circular, external: according to antenna

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

1

Design of electrical connection / for supply voltage

M12, 4-pin, female connector

Standard for interfaces / for communication

Ethernet

Design of the electrical connection / for communications interface

Push-pull RJ45

Design of electrical connection / at the digital inputs/outputs

M12, 8-pin, female connector

Number of digital inputs

2

Number of digital outputs	2
Mechanical data	
Material	Aluminum, ABS (GF20)
Color	Silver/anthracite
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 V
• maximum	30 V
Consumed current / At 24 V / with DC	
• typical	0.45 A
• maximum	1.5 A
Permitted ambient conditions	
Ambient temperature	
• during operating	-25 ... +55 °C
• during storage	-40 ... +85 °C
• during transport	-40 ... +85 °C
Ambient condition / for (standard) operation mode	With operating temperature below -20 °C: Warming-up time at least 10 minutes
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	1.99 kg
Mounting type	4 x M6 screws, Vesa 100 with 4 x M4 screws
Cable length / of antenna cable / minimum	1 m
Cable length / of antenna cable / 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 CMIIT
MTBF	14 a
Accessories	optional: External antenna

