

product type designation



Antenna RF642A

SIMATIC RF600 antenna RF642A linear (broadband) frequency range 865 to 928 MHz Dimensions 185x 185x 45 mm (LxWxH) IP65, -25 to +75 °C.

suitability for operation

SIMATIC RF600

radio frequencies

transmission frequency 865 ... 928 MHz

electrical data

antenna gain compared to spherical radiator

- with linear radiation

6 dB

impedance

50 Ω

polarization

Linear

standing wave ratio (VSWR) / maximum

1.5

radiating angle of the antenna

- horizontal
- vertical

75°

70°

type of electrical connection / of the antenna

RP-TNC

design of plug-in connection

male

mechanical data

material

PA 12

color

Pastel turquoise

tightening torque / of the screw for securing the equipment / maximum

2 N·m

mounting distance

- relating to metal surfaces / recommended / minimum

0 m

ambient conditions

ambient temperature

- during operation
- during storage
- during transport

-25 ... +75 °C

-40 ... +85 °C

-40 ... +85 °C

protection class IP

IP65

shock resistance

according to EN 60068-2-27

shock acceleration

300 m/s²

vibrational acceleration

100 m/s²

design, dimensions and weights

width

185 mm

height

185 mm

depth

45 mm

net weight

600 g

fastening method

4 screws M4 according to VESA 100, optional with articulated bracket by using antenna mounting kit

wire length / of antenna cable

0.3 m

product features, product functions, product components / general

product feature / silicon-free	Yes
standards, specifications, approvals	
certificate of suitability	CE (according to R&TTE), FCC (Title 47, Part 15.247), cULus
certificate of suitability • IECEX	No
reference code / according to IEC 81346-2:2019	TFB
accessories	
accessories	Antenna cables 1 to 40 m
further information / internet links	
internet link • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to web page: RFID country approval • to web page: identification and localization systems • to web page: SiePortal • to website: Image database • to website: CAx-Download-Manager • to website: Industry Online Support	https://support.industry.siemens.com/cs/ww/en/view/109766358 https://www.siemens.com/tstcloud https://www.siemens.com/rfid-approvals https://www.siemens.com/ident https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
security information	
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