

Product-type designation

Antenna ANT795-6MN



IWLAN ANTENNA ANT 795-6MN WITH OMNIDIRECTIONAL CHARACTERISTIC INCL. N-FEMALE CONNECTOR: 6/8 DBI IP65 (-40-+70 DGR C), 2.4/5GHZ WI-FI COMPLIANCE AND NATIONAL APPROVALS ROOF AND VEHICLE MOUNTING COMPACT MANUAL ON PAPER GERMAN/ENGLISH SCOPE OF SUPPLY: 1X ANT795-6MN, 1X TERMINATING RESISTANCE TI795-1R FOR MOUNTING USE MOUNTING SUPPORT 6GK5795-6MN01-0AA6

Wireless frequencies

Radio frequency

- for WLAN in 2.4 GHz frequency band
 - initial value 2.4 GHz
 - end value 2.7 GHz
- for WLAN in 5 GHz frequency band 1
 - initial value 3.4 GHz
 - end value 3.7 GHz
- for WLAN in 5 GHz frequency band 2
 - initial value 4.9 GHz
 - end value 5.935 GHz

Electrical data

Impedance	50 Ω
Polarization	linear vertical
Radiation characteristic	omnidirectional
Antenna gain compared to spherical radiator / of the WLAN antenna	
• in the 2.4 GHz frequency band	6 dB
• in the 5 GHz frequency band	8 dB
Standing wave ratio VSWR / maximum	2
Beam angle of antenna	

• in the 2.4 GHz frequency band • horizontal • in the 5 GHz frequency band • horizontal	360 °
Opening angle / Note	Note antenna diagram
Angle of inclination / downward / maximum	0 °
Transmit power / maximum	75 W
Transmit power / Note	at 25° ambient temperature
Range / with clear line of sight / without disturbance	200 m
Range / Note	Note: The range can be considerably less, depending on spatial factors, the wireless standard used, the data rate, and the antennas at the other end
Permitted ambient conditions	
Ambient temperature	
• during operating	-40 ... +80 °C
• during storage	-40 ... +80 °C
• during transport	-40 ... +80 °C
Protection class IP	IP65
Wind load / maximum	10 N
Wind load / Note	at 160 km/h
Design, dimensions and weight	
Width	86 mm
Height	43 mm
Depth	86 mm
Net weight	300 g
Mounting type	
• mast mounting	No
• wall mounting	Yes
• roof mounting	Yes
•	No
Product feature / silicon-free	Yes
Material / of outer shell	ASA
Standards, specifications, approvals	
Verification of suitability	
• RoHS conformity	Yes
• Railway application in accordance with EN 50124-1	Yes
• Railway application in accordance with EN 50155	Yes
Wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen
letzte Änderung:	Aug 6, 2014