SIEMENS

Data sheet	6GK5795-4MR00-0AA6

Product type designation	Antenna ANT795-4MR
	IWLAN ANTENNA ANT 795-4MR WITH OMNIDIRECTIONAL CHARACTERISTIC, ANTENNA GAIN INCL. R-SMA CONNECTOR:3/5 DBI, IP65(-20-+60 DGR C), 2.4/5 GHZ, NOTE NATIONAL APPROVALS, DIRECT MOUNTING ON W-700, OPERATING INSTRUCTIONS GER/EN MANUAL ON CD-ROM GER/EN

Wireless frequencies	
Type of mobile network / is supported	WLAN
Operating frequency	
• for WLAN in 2.4 GHz frequency band	2.4 ... 2.4835 GHz
• for WLAN in 5 GHz frequency band 1	5.15 ... 5.35 GHz
• for WLAN in 5 GHz frequency band 2	5.725 ... 5.85 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	4 dB
• of the WLAN antenna / in the 5 GHz frequency band	5 dB
Standing wave ratio (VSWR) / maximum	2
Radiating angle of the antenna	
• in the 2.4 GHz frequency band / horizontal	360°

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• in the 5 GHz frequency band / horizontal	360°
Number of electrical connections / of the antenna	1
Type of electrical connection / of the antenna	R-SMA Connector
Design of plug-in connection	male, 90° angle
Angle of inclination / downward / maximum	0°
Range / with clear line of sight / without disturbance	100 m; Remark: the distance can be much less and is depending on the space around, on the wireless standard in use, on the data rate and on the antenna installed on the partner station

Mechanical data

Material	
• of outer shell	Polycarbonate

Permitted ambient conditions

Ambient temperature	
• during operation	-20 ... +65 °C
• during storage	-20 ... +65 °C
• during transport	-20 ... +65 °C
Protection class IP	IP65

Design, dimensions and weight

Width	35 mm
Height	148 mm
Depth	13 mm
Net weight	26 g
Mounting type	
• mast mounting	No
• wall mounting	No
• roof mounting	No
• directly on the device	Yes

Product properties, functions, components / general

Product feature / silicon-free	Yes

Standards, specifications, approvals

product conformity	UL 94-HB
Wireless approval	Current national approvals can be found on the Internet under www.siemens.com/funkzulassungen

Further Information / Internet Links

Internet-Link	
• to website: Selector SIMATIC NET SELECTION TOOL	http://www.siemens.com/snst
• to website: Industrial communication	http://www.siemens.com/simatic-net
• to website: Industry Mall	https://mall.industry.siemens.com
• to website: Information and Download Center	http://www.siemens.com/industry/infocenter
• to website: Image database	http://automation.siemens.com/bilddb

- to website: CAx Download Manager
- to website: Industry Online Support

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