

### Product type designation

### Antenna ANT795-6MR

IWLAN ANTENNA ANT 795-6MR W. OMNIDIRECTIONAL CHARACTERISTIC, ANTENNA GAIN R-SMA CONNECTOR AND 5 M CABLE: 3.5 DBI, IP65 (-20-+60 DGR C), 2.4/5GHZ, NOTE NATIONAL APPROVALS, ACCESSORIES FOR WALL AND MAST MOUNTING, W.:1X TI795-1R TERMINATING RESISITOR, OPERATING INSTRUCTIONS: GERMAN / ENGLISH



### Wireless frequencies

|                                       |                  |
|---------------------------------------|------------------|
| Type of mobile network / is supported | WLAN             |
| Operating frequency                   |                  |
| • for WLAN in 2.4 GHz frequency band  | 2.4 ... 2.5 GHz  |
| • for WLAN in 5 GHz frequency band 1  | 5.1 ... 5.35 GHz |

### Electrical data

|                                                       |                 |
|-------------------------------------------------------|-----------------|
| Impedance                                             | 50 $\Omega$     |
| Polarization                                          | linear vertical |
| Radiation characteristic                              | omnidirectional |
| Antenna gain compared to spherical radiator           |                 |
| • of the WLAN antenna / in the 2.4 GHz frequency band | 3 dB            |
| • of the WLAN antenna / in the 5 GHz frequency band   | 3.5 dB          |
| Standing wave ratio (VSWR) / maximum                  | 2               |
| Radiating angle of the antenna                        |                 |
| • in the 2.4 GHz frequency band / horizontal          | 360°            |
| • in the 5 GHz frequency band / horizontal            | 360°            |

|                                                |                 |
|------------------------------------------------|-----------------|
| Type of electrical connection / of the antenna | R-SMA Connector |
| Design of plug-in connection                   | male            |
| Angle of inclination / downward / maximum      | 0°              |

#### Permitted ambient conditions

|                     |                |
|---------------------|----------------|
| Ambient temperature |                |
| • during operation  | -20 ... +60 °C |
| • during storage    | -20 ... +60 °C |
| • during transport  | -20 ... +60 °C |
| Protection class IP | IP65           |

#### Design, dimensions and weight

|                                |        |
|--------------------------------|--------|
| Height                         | 420 mm |
| Diameter                       | 25 mm  |
| Net weight                     | 600 g  |
| Mounting type                  |        |
| • mast mounting                | Yes    |
| • wall mounting                | Yes    |
| • roof mounting                | No     |
| • directly on the device       | No     |
| Wire length / of antenna cable | 5 m    |

#### Product properties, functions, components / general

|                                |     |
|--------------------------------|-----|
| Product feature / silicon-free | Yes |
|--------------------------------|-----|

#### Standards, specifications, approvals

|                                                   |     |
|---------------------------------------------------|-----|
| Certificate of suitability                        |     |
| • Railway application in accordance with EN 50155 | Yes |
| • Fire protection in accordance with EN 45545-2   | Yes |

#### Further Information / Internet Links

|                                                   |                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| Internet-Link                                     |                                                                                                     |
| • to website: Selector SIMATIC NET SELECTION TOOL | <a href="http://www.siemens.com/snst">http://www.siemens.com/snst</a>                               |
| • to website: Industrial communication            | <a href="http://www.siemens.com/simatic-net">http://www.siemens.com/simatic-net</a>                 |
| • to website: Industry Mall                       | <a href="https://mall.industry.siemens.com">https://mall.industry.siemens.com</a>                   |
| • to website: Information and Download Center     | <a href="http://www.siemens.com/industry/infocenter">http://www.siemens.com/industry/infocenter</a> |
| • to website: Image database                      | <a href="http://automation.siemens.com/bilddb">http://automation.siemens.com/bilddb</a>             |
| • to website: CAx Download Manager                | <a href="http://www.siemens.com/cax">http://www.siemens.com/cax</a>                                 |
| • to website: Industry Online Support             | <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>             |

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