

### product type designation



### Antenna ANT794-4MR

ANT794-4MR mobile wireless antenna for 2G/3G/4G EU, GSM/UMTS/ LTE EU networks, rod antenna; omnidirectional; weatherproof for indoors and outdoors; 5 m connection cable permanently connected to the antenna; SMA connector; national approval and data sheet to be observed; scope of supply: 1 antenna, 1 mounting bracket, screws, screw anchors.

suitability for operation

for indoor and outdoor applications

### radio frequencies

type of wireless network / is supported	LTE, UMTS, GSM
operating frequency / 1	790 ... 960 MHz
operating frequency / 2	1710 ... 2170 MHz
operating frequency / 3	2400 ... 2690 MHz

### electrical data

antenna gain	0 dB
impedance	50 Ω
polarization	Linear Vertical
radiation characteristic	omnidirectional
standing wave ratio (VSWR) / maximum	2
number of electrical connections / of the antenna	1
type of electrical connection / of the antenna	SMA Connector
design of plug-in connection	male

### mechanical data

material	
• of outer shell	Hard PVC, UV-resistant
• of cable sheath	PVC
color / of cable sheath	Black
bending radius	
• with single bend / minimum permissible	42 mm
• with multiple bends / minimum permissible	83 mm

### ambient conditions

ambient temperature	
• during operation	-40 ... +85 °C
protection class IP	IP54
product feature / resistant to UV radiation	Yes

### design, dimensions and weights

width	25 mm
height	193 mm
depth	25 mm
diameter	25 mm
net weight	310 g
fastening method	mounting brackets and mounting parts, vertical mounting
fastening method	
• mast mounting	Yes
• flat roof mounting	No
• wall mounting	Yes

<ul style="list-style-type: none"> <li>• roof mounting</li> </ul>	No
<ul style="list-style-type: none"> <li>• directly on the device</li> </ul>	No
wire length / of antenna cable	5 m
<b>standards, specifications, approvals</b>	
certificate of suitability	
<ul style="list-style-type: none"> <li>• RoHS conformity</li> </ul>	Yes
reference code / according to IEC 81346-2:2019	TFB
<b>further information / internet links</b>	
internet link	
<ul style="list-style-type: none"> <li>• to website: Selection guide for cables and connectors</li> <li>• to web page: selection aid TIA Selection Tool</li> <li>• to website: Mobile radio national approval</li> <li>• to website: Industrial communication</li> <li>• to web page: SiePortal</li> <li>• to website: Image database</li> <li>• to website: CAX-Download-Manager</li> <li>• to website: Industry Online Support</li> </ul>	<a href="https://support.industry.siemens.com/cs/ww/en/view/109766358">https://support.industry.siemens.com/cs/ww/en/view/109766358</a> <a href="https://www.siemens.com/tstcloud">https://www.siemens.com/tstcloud</a> <a href="https://www.siemens.com/mobile-approvals">https://www.siemens.com/mobile-approvals</a> <a href="https://www.siemens.com/simatic-net">https://www.siemens.com/simatic-net</a> <a href="https://sieportal.siemens.com/">https://sieportal.siemens.com/</a> <a href="https://www.automation.siemens.com/bilddb">https://www.automation.siemens.com/bilddb</a> <a href="https://www.siemens.com/cax">https://www.siemens.com/cax</a> <a href="https://support.industry.siemens.com">https://support.industry.siemens.com</a>
<b>security information</b>	
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