

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"> • roof mounting • directly on the device 	No
cable designation	Li02YS-St-C-Y 1
wire length / of antenna cable	5 m
standards, specifications, approvals	
certificate of suitability	
<ul style="list-style-type: none"> • RoHS conformity 	Yes
reference code / according to IEC 81346-2:2019	TFB
further information / internet links	
internet link	
<ul style="list-style-type: none"> • to website: Selection guide for cables and connectors • to web page: selection aid TIA Selection Tool • to website: Mobile radio national approval • to website: Industrial communication • 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/mobile-approvals https://www.siemens.com/simatic-net https://sieportal.siemens.com/ https://www.automation.siemens.com/bilddb https://www.siemens.com/cax https://support.industry.siemens.com
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