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Data sheet 6NH9870-1AA00

product type designation



Antenna ANT794-3M

ANT794-3M mobile wireless antenna for 2G, GSM networks, flat antenna for 900/1800/ 1900 MHz; weatherproof for indoor and outer area; 1.2 m Connection cable permanently connected to the antenna; SMA connector; incl. adhesive tape for mounting.

suitability for operation	for indoor and outdoor applications
radio frequencies	
type of wireless network / is supported	GSM
operating frequency	900 MHz, 1800 MHz, 1900 MHz
antenna gain	0 dB
electrical data	
radiation characteristic	directional
antenna gain	0 dB
standing wave ratio (VSWR) / maximum	1.5
type of electrical connection / of the antenna	SMA Connector
design of plug-in connection	male
mechanical data	
material	
● of outer shell	ABS Polylac PA-765, light gray (RAL 7035)
ambient conditions	
ambient temperature	
● during operation	-40 ... +75 °C
protection class IP	IP64
design, dimensions and weights	
width	70.5 mm
height	20.5 mm
depth	146.5 mm
net weight	130 g
fastening method	screw fixing
fastening method	
● mast mounting	Yes
● flat roof mounting	No
● wall mounting	Yes
● roof mounting	No
● directly on the device	No
wire length / of antenna wire	1.2 m
standards, specifications, approvals	
certificate of suitability	
● RoHS conformity	Yes
reference code	
● according to IEC 81346-2	TF
● according to IEC 81346-2:2019	TFB
further information / internet-Links	

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Internet-Link	
● to web page: selection aid TIA 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	http://www.siemens.com/cax
● to website: Industry Online Support	https://support.industry.siemens.com
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