

Unity Gain Base Station and Marine 900 MHz Antenna for Mounting on Threaded 1

BESCHREIBUNG

- The CXL 900-1/... is a 0 dBd, vertically polarized, omnidirectional rod-type base station and marine antenna which covers the 900 MHz band in three models.
- The 1" revolving nut mounting system is standard throughout the base station or maritime sector, and several different mounting brackets are available, making it possible to install the antenna either on the masthead using FLG or SMR 2, side mounted on the mast (SMR 1) or mounted on a cross-beam (FLG). Also, the antenna can be mounted on deck or rooftop by means of the FLG. (See accessories)
- CXL 900-1/... is especially suitable for use in connection with 900 MHz CELLULAR systems – as for instance the Nordic Mobile Telephone system NMT 900 – making it possible to extend the normally land-based cellular telephone system for maritime mobile service as well.
- The higher the antenna is mounted, the better coverage. Avoid mounting the antenna parallel with or in the neighbourhood of other metal parts, such as masts, supporting wires etc., otherwise the VSWR and the radiation pattern may be strongly influenced.
- To substantially reduce noise caused by atmospherical discharges, all metal parts in the antenna are DC-grounded. Consequently, the antenna shows a DC-short across the coaxial cable.
- A conical glass fibre tube completely encloses the carefully designed radiating element to ensure long dependable service in all climates.

BESTELLUNG

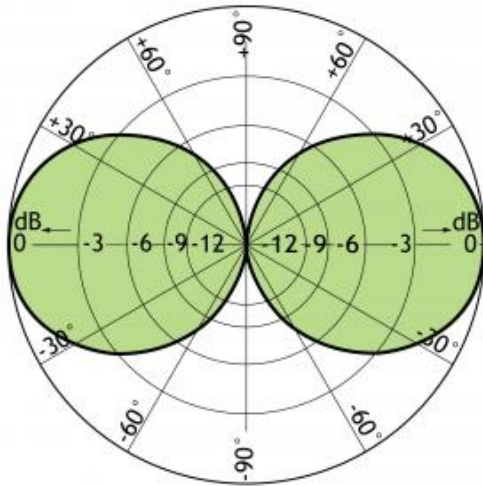
Modell	Produkt Nr	Frequenz
CXL 900-1/l	110000146	824 - 894 MHz
CXL 900-1/m	110000145	870 - 950 MHz
CXL 900-1/h	110000144	890 - 960 MHz



SPEZIFIKATIONEN

Elektrisch DE	
Modell	CXL 900-1/...
Frequenz	Modelle innerhalb 824 - 960 MHz
Antennentyp	Koaxialer Dipol, breitbandig
Max. Eingangsleistung	100 W
Polarisation	Vertikal
Öffnungswinkel 3 dB, vertikal	80 °
Öffnungswinkel 3 dB, horizontal	Omnidirektional
Impedanz	50 Ω
Gewinn	0 dBd (2.2 dBi)
VSWR	< 1.5:1
Bandbreite	70 - 80 MHz
HCM-Code(s)	HCM000ND00, 040DE00
Mechanisch DE	
Anschlussstyp	N(f)
Materialien	Schutzrohr: polyurethanbesch. Glasfaser Montagebeschlag: Messing, verchromt
Farbe	Weiß (RAL 9003)
Windbereich	0.0070 sq. m
Windlast	9 N (160km/h)
Dia. Am Oberen Ende	12 mm
Dia. Am Unteren Ende	16 mm
Höhe	ca. 420 mm
Gewicht	ca. 0.35 kg
Montage	Auf 1" (G1"-11) Wasserrohrgewinde oder auf optionalen Montagehalterungen (s. u.)
Umwelt	
Betriebstemperaturbereich	-30°C to +70°C
IP Schutzklasse	IP66

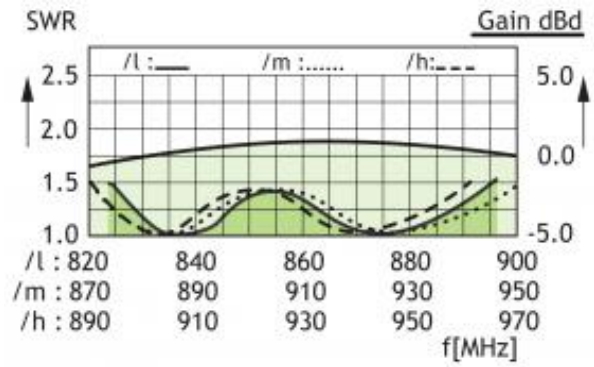
TYPICAL RADIATION PATTERN (E-PLANE)



TYPICAL RADIATION PATTERN (H-PLANE)



TYPICAL GAIN AND SWR CURVES



ACCESSORIES (TO BE ORDERED SEPARATELY)

FLG G1"-11 (1" RG)	SMR 1 G1"-11 (1" RG)	SMR 2 G1"-11 (1" RG)	YA-Bracket ø17
LW-SS-1" G1"-11 (1" RG)	MariFix 1 1"-14 UNS ALSO NEED ADT	MariFix 2 1"-14 UNS ALSO NEED ADT	ADT G1"-11 (1" RG) 1"-14 UNS