

Universal, 2.7 dBd Base Station and Marine Antenna for the 900 MHz Band

BESCHREIBUNG

- CXL 900-3LW/... is a 2.7 dBd, vertically polarized, omnidirectional rod-type base station and marine antenna which covers the 900 MHz band in four models.
- The carefully designed, broad-banded antenna element is sealed in a high-quality, conical glass fibre tube with low wind-load, which will ensure performance undisturbed by corrosive environments.
- The phasing of the radiating elements is adjusted to yield maximum gain in the horizontal plane, with the level of the sidelobes reduced to a minimum.
- Provided with the sturdy "LW" mast mount – a lightweight, multipurpose, epoxy-coated mounting bracket made of non-corrosive aluminium.
- The accompanying U-bolts and fittings are made of stainless steel.
- To be mounted on vertical or horizontal mast tubes, 16 to 54 mm in outer diameter.
- The cable can be led either on the outside or along the inside of the mast tube.
- Large bandwidth with respect to both VSWR and gain.
- 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.
- The CXL 900-3LW/... is a vibration-proof, lightweight, slim-line, corrosion resistant, modern style base station and marine antenna.



SPEZIFIKATIONEN

Elektrisch DE	
Modell	CXL 900-3LW/...
Frequenz	Modelle innerhalb von 824 - 960 MHz
Antennentyp	Kolinear, Breitbandige
Max. Eingangsleistung	100 W
Polarisation	Vertikal
Muster-Art	Omnidirektional
Öffnungswinkel 3 dB, vertikal	36 °
Öffnungswinkel 3 dB, horizontal	Omnidirektional
Impedanz	50 Ω
Gewinn	2.7 dBd (4.9 dBi)
VSWR	< 1.5:1
Bandbreite	70 - 80 MHz
Antistatischer Schutz	Alle Metallteile DC-geerdet (Stecker zeigt einen DC-Kurzschluss)
HCM-Code(s)	HCM000ND00, 018DE25

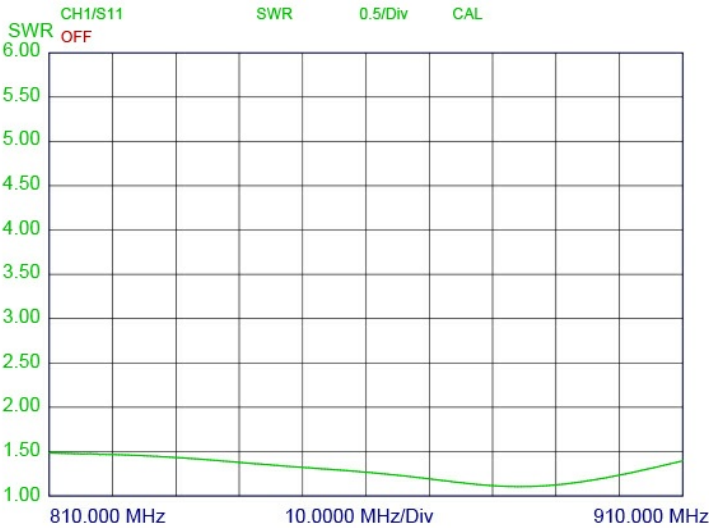
Mechanisch DE	
Anschlussstyp	N(f)
Materialien	Shroud : Polyurethane-coated glass fibre Mounting bracket : Seawater resistant aluminium, epoxy-coated U-bolt and fittings : Stainless steel
Farbe	Weiß (RAL 9003)
Windbereich	0.014 sq. m
Windlast	18 N (160 km/h)
Dia. Am Oberen Ende	23 mm
Dia. Am Unteren Ende	23 mm
Höhe	ca. 730 mm
Gewicht	ca. 0.75 kg
Montage	An masten mit 16 - 54 mm Durchmesser

Umwelt	
Betriebstemperaturbereich	-30 °C to +70 °C
IP Schutzklasse	IP66

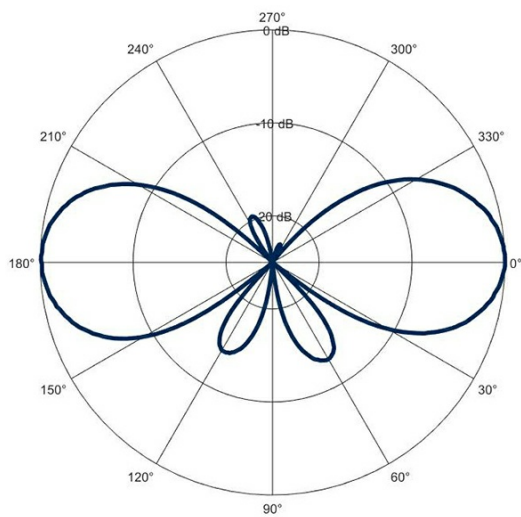
BESTELLUNG

Modell	Produkt Nr	Frequenz
CXL 900-3LW/l	110000426	824 - 894 MHz
CXL 900-3LW/m	110000457	870 - 950 MHz
CXL 900-3LW/h	110000427	890 - 960 MHz

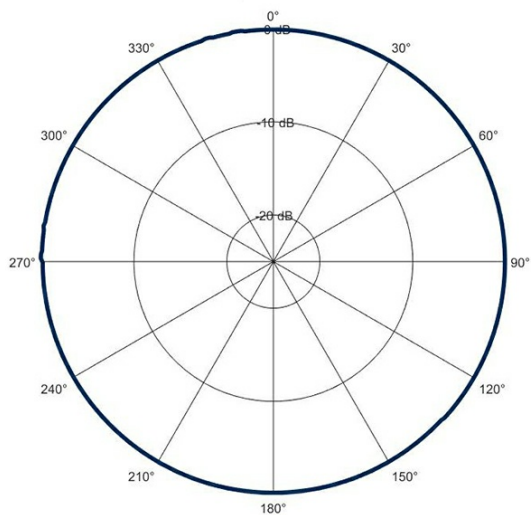
TYP. VSWR KURVEN



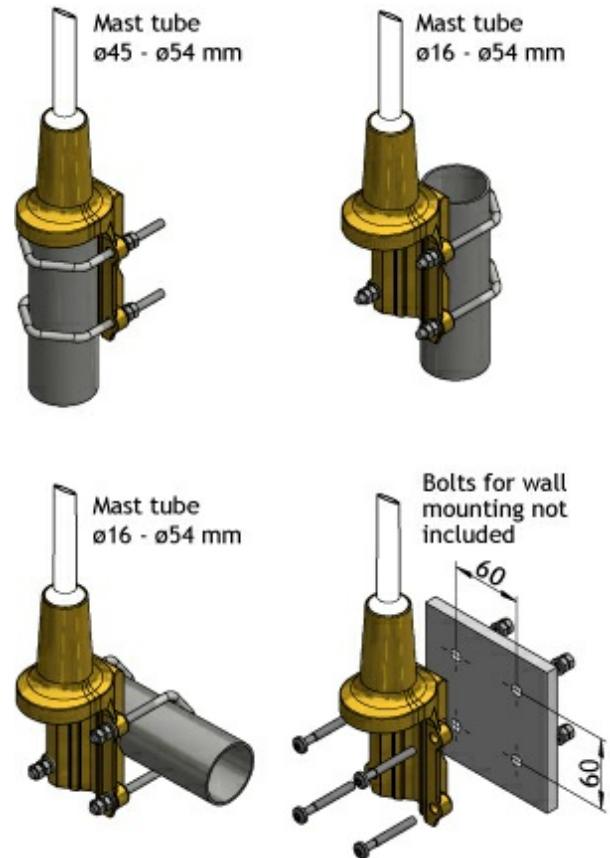
TYP. STRAHLUNGSDIAGRAMM (VERTIKAL)



TYP. STRAHLUNGSDIAGRAMM (HORIZONTAL)



UNIVERSAL-MONTAGEBESCHLAG



PLEASE NOTE

The antenna is delivered with a DC-connection between the antenna element and the mounting bracket.