



CDN ST08-10 COUPLING / DECOUPLING NETWORK (CDN) CDN S TYPE FOR 10 KHZ to 80 MHZ



IEC/EN 61000-4-6 specifies the design and performance of a range of coupling/decoupling networks (CDNs). Each CDN is specific to the type of cable and the intended signal carried on the cable. In addition to IEC/EN 61000-4-6 some standards require similar performance over the frequency range 10 kHz to 80 MHz.

Teseq offers CDNs also for this frequency range. Not listed CDNs may also available. Please contact Teseq for details.



CDN ST08-10

- For testing screened, balanced lines for telecommunication ports on ITE equipment.
- For use with screened RJ45 connections
- Up to 8 lines/ 4 pairs
- Designed for IEC/EN 61000-4-6 with extended range form 10 kHz to 80 MHz

Technical specifications

Frequency range:	10 kHz to 80 MHz
Line parameters:	4 pairs, balanced, shielded, 100 Ω
Power rating (EUT- and AE Port)	
AC max. voltage:	100 V
DC max. voltage:	150 V
Current max :	1000 mA
Test voltage:	200 VDC, 2 sec
Common mode impedance (EUT Port)	
10 kHz to 26 MHz:	150 Ω ±20 Ω
26 MHz to 80 MHz:	150 Ω +60 Ω /-45 Ω
Coupling path (In/Out-port/EUT)	
Connection:	BNC 50 Ω
RF voltage:	<20 V
Voltage division factor (RF input to EUT port)	
10 kHz to 80 MHz:	10 dB ±1 dB
Transmission bandwidth (wanted signal) EUT/AE B3 dB: *	> 250 MHz sin.
Decoupling of common mode disturbances (EUT / AE)	
10 kHz to 80 MHz:	≥60 dB
*) all balanced parameters are in relation to a symmetrical load of 100 Ω	

Mechanical specifications

Size (W x H x D):	100 mm x 100 mm x 240 mm
Weight:	approx. 1.5 kg

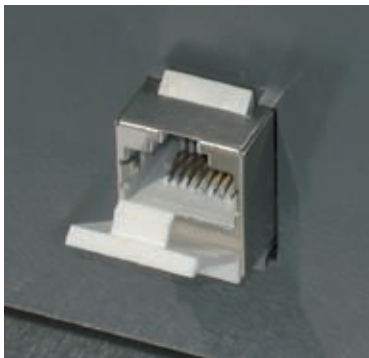


Advanced Test Solutions for EMC

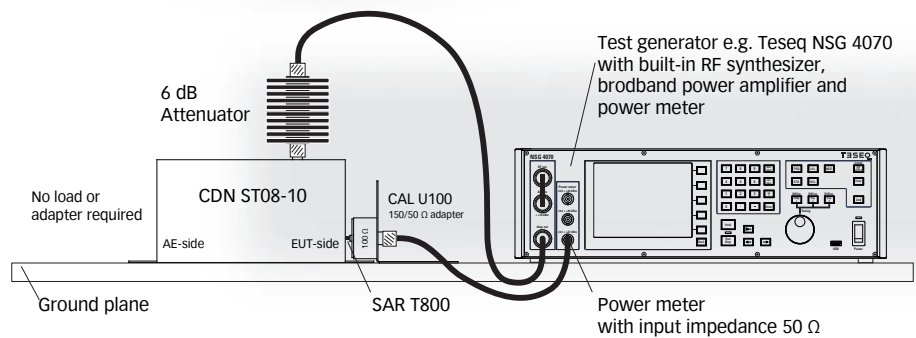
CDN ST08-10

COUPLING / DECOUPLING NETWORK (CDN) CDN S TYPE FOR 10 KHZ to 80 MHZ

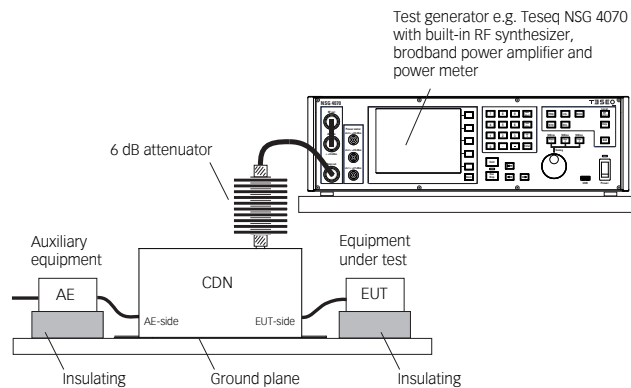
Test set-up calibration with CDN ST08-10



CDN ST08-10 view to RJ45 connection



EUT test set-up



Delivery information

Part number	Description
242479	CDN ST08-10 CDN for screened eight lines with RJ45 connector (construction identical with ISN ST08)
97-231024	CDN-TC Traceable calibration (ISO17025) for IEC 61000-4-6 requirements, order only with device CDN M, AF, S or T00x type
239901	CAL U100 Universal calibration unit (150 Ω /50 Ω adapter)
242439	SAR T800 Calibration adapter part for CDNs/ISNs with RJ45 connector