



Differential-mode Conducted Immunity Coupling/Decoupling Network

CDN 419M4N-32

- IEC 61000-4-19
- EN 61000-4-19
- GB/T 17626.19

Features

- > All ports adopt 4 mm banana ports
- > Differential-mode coupling frequency 2 kHz to 150 kHz
- > Stable decoupling performance under high-load conditions
- > Withstand high voltage and large current, suitable for industrial applications

Introduction

The CDN 419M4N-32 is a differential-mode conducted immunity coupling/decoupling network complies with IEC 61000-4-19, GB/T 17626.19 and other domestic and international standards. It fully complies with CDN performance and cabling specifications. It supports CW signals across the wide frequency range of 2 kHz to 150 kHz, with a max. coupling voltage of 30 V (rms).

Adopts optimized built-in decoupling circuit, which effectively isolates interference signals from the test circuit. It keeps the DUT operating signals unaffected and guarantees accurate and repeatable test results.

Application Areas



Technical Parameters

Coupling Frequency	2 kHz ~ 150 kHz, CW
Coupling Voltage	30 V (rms)
Coupling Mode	Differential mode (L-L)
Coupling Element	12 μ F capacitor
Coupling Capability	-10 dB ~ -50 dB (2 kHz ~ 150 kHz)
Test Voltage	Max. 400 V (L-L)
Test Current	Max. 32 A
AE/EUT Port	4 mm banana port
Signal Injection Port	4 mm banana port

General Parameters

Weight	Approx. 10 kg
Dimension	360 mm(L) * 220 mm(W) * 135 mm(H)
Enclosure Material	Aluminum
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%

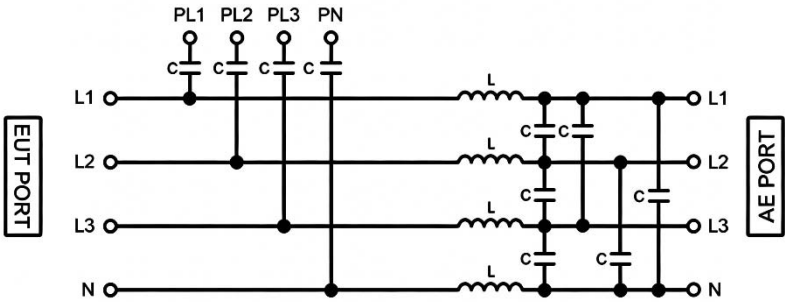
Standard Accessories

Test Cable

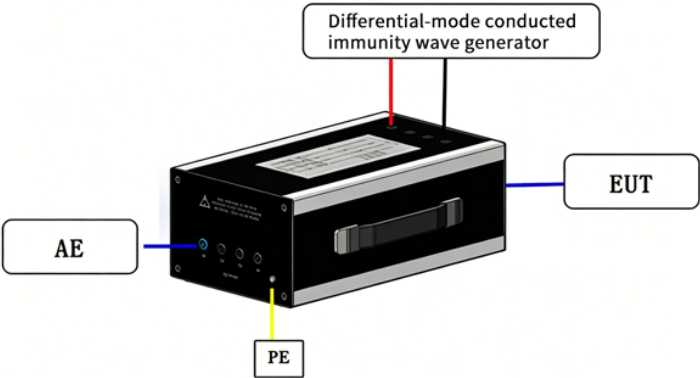
Optional Accessories

1	Common-mode Conducted Disturbance Simulator	Model: RSG 40C20(DMS) Frequency: 2 kHz~150 kHz Output voltage: 0.1 V ~ 40 V Output current: 5 A (rms)	
2	Balanced-unbalanced Impedance Converter	Model: Balun50/10 For CDN characteristic test Number: 2	
3	Differential-mode Voltage Test Module	Model: R419-10 Impedance 10 Ω for CDN characteristic test	

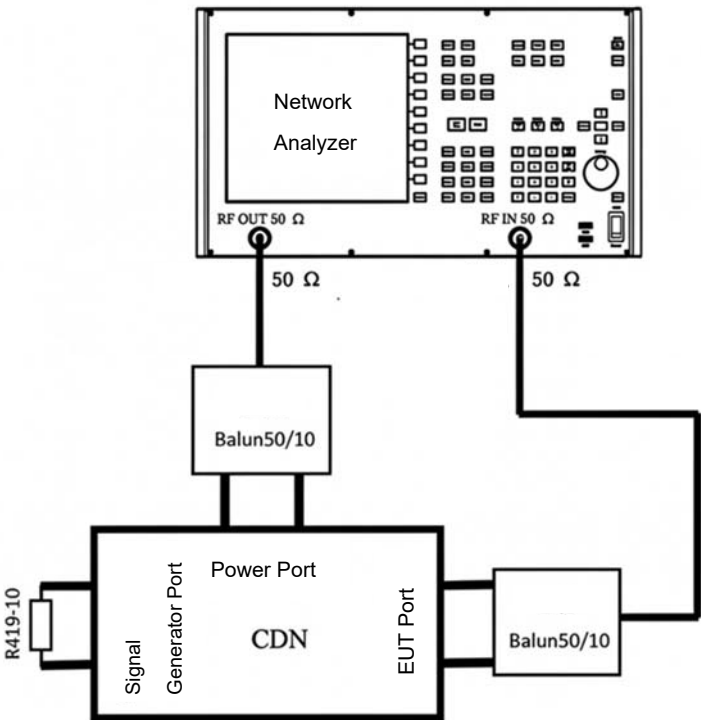
Schematic Diagram



Test Connection Diagram



CDN Calibration Diagram



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