



# Coupling Decoupling Network

## CDN Mx Series

- IEC 61000-4-6
- EN 61000-4-6
- GB/T 17626.6

### Features

- > Meet the requirements of IEC 61000-4-6:2023;
- > Used for unshielded power cords;
- > High current coaxial terminal.

### Introduction

IEC/EN 61000-4-6 specifies the design and performance of the Coupled Decoupling Network (CDN) series. Detailed regulations have also been made for the types of cables used and the signals transmitted in each coupled decoupling network.

CDN Mx coupling decoupling network is suitable for power line testing of single-phase 1-wire/2-wire/3-wire, three-phase 4-wire, and three-phase 5-wire. The carrying capacity can be customized according to customer needs.

### Application Areas



## Technical Parameters

Standard	IEC 61000-4-6
RF Signal Input Terminal	BNC
RF Input Power	6 W
Common Mode Impedance (EUT)	150 kHz ~ 24 MHz: $150 \Omega \pm 20 \Omega$ 24 MHz ~ 80 MHz: $150 \Omega + 60 \Omega / -45 \Omega$ 80 MHz ~ 230 MHz: $150 \Omega \pm 60 \Omega$
Size	$\leq 32$ A: 210 mm (length) x 115 mm (height) x 170 mm (depth) > 32 A: 407 mm (length) x 135 mm (height) x 220 mm (depth)
Weight	Approximately 4.5 kg (based on actual product)

## Standard Accessories

$\leq 32$ A
Calibration Adapter, Test Line, Instruction Manual
> 32A
Calibration Adapter, Fan power Adapter, Test Line, Instruction Manual

## Optional Selection

Calibration Adapter CDN 100KIT
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### Selection Guide:

Serial Number	Model	Technical Parameter
1	CDN M2-100	L+N, 100 A 700 V AC/1500 V DC (Line-Ground) , EUT/AE 25 mm <sup>2</sup> , 150 kHz-80 MHz
2	CDN M2M3-16	L+N/L+N+PE, 16 A 250 V AC/400 V DC (Line-Ground) , EUT/AE 4 mm <sup>2</sup> , 150 kHz-230 MHz
3	CDN M2M3	L+N/L+N+PE, 32 A 250 V AC/400 V DC (Line-Ground) , EUT/AE 4 mm <sup>2</sup> , 150 kHz-230 MHz
4	CDN M3-100	L+N+PE, 100 A 700 V AC/1500 V DC (Line-Ground) , EUT/AE 25 mm <sup>2</sup> , 150 kHz-80 MHz
5	CDN M4N-16	L1+L2+L3+N, 16 A 250 V AC / 400 V DC (Line-Ground) , EUT/AE 4 mm <sup>2</sup> , 150 kHz-230 MHz
6	CDN M4N-32	L1+L2+L3+N, 32 A 250 V AC / 400 V DC (Line-Ground) , EUT/AE 4 mm <sup>2</sup> , 150 kHz-230 MHz
7	CDN M4PE-32	L1+L2+L3+PE, 32A 250 V AC / 400 V DC (Line-Ground) , EUT/AE 4 mm <sup>2</sup> , 150 kHz-230 MHz
8	CDN M4N-75	L1+L2+L3+N, 75 A 700 V AC / 1500 V DC (Line-Ground) , EUT/AE 25 mm <sup>2</sup> , 150 kHz-80 MHz
9	CDN M5-32	L1+L2+L3+N+PE, 32 A 250 V AC / 400 V DC (Line-Ground) , EUT/AE 4 mm <sup>2</sup> , 150 kHz-230 MHz
10	CDN M5-75	L1+L2+L3+N+PE, 75 A 700 V AC/1500 V DC (Line-Ground) , EUT/AE 25 mm <sup>2</sup> , 150 kHz-80 MHz
11	CDN M3L	L1+L2+L3 , 32 A 250 V AC/400 V DC (Line-Ground) , EUT/AE 4mm <sup>2</sup> , 150 kHz-230 MHz
12	CDN M3L-75	L1+L2+L3 , 75 A 700 V AC / 1500 V DC (Line-Ground) , EUT/AE 25 mm <sup>2</sup> , 150 kHz-80 MHz
13	CDN M4N-100	L1+L2+L3+N, 100 A 700 V AC/1500 V DC (Line-Ground) ,EUT/AE 25 mm <sup>2</sup> , 150 kHz-80 MHz
14	CDN M5-100	L1+L2+L3+N+PE, 100 A 700 V AC/1500 V DC (Line-Ground) , EUT/AE 25 mm <sup>2</sup> , 150 kHz-80 MHz
15	CDN M4PE-75	L1+L2+L3+PE, 75 A 700 V AC/1500 V DC (Line-Ground) , EUT/AE 25 mm <sup>2</sup> , 150 kHz-80 MHz

## SUZHOU3CTEST ELECTRONIC CO., LTD

Address: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China  
 Sales Email: [globalsales@3ctest.cn](mailto:globalsales@3ctest.cn) Service Email: [service@3ctest.cn](mailto:service@3ctest.cn)  
 Tel: + 86 - 512 - 68077192 Web: [www.3c-test.com](http://www.3c-test.com)

