



Coupling/Decoupling Network

CDN Mx Series

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

Features

- > For unshielded power lines
- > High-current coaxial terminal

Introduction

The CDN Mx coupling/decoupling network complies with IEC/EN 61000-4-6 and is suitable for surge immunity testing of single-phase 1-wire/2-wire/3-wire and three-phase 4-wire/5-wire power lines. The load capacity can be customized according to customer requirements.

Application Areas



Technical Parameters

RF Signal Input	BNC
RF Input Power	6 W
Common-mode Impedance	150 kHz ~ 24 MHz: 150 Ω $\pm$ 20 Ω 24 MHz ~ 80 MHz: 150 Ω + 60 Ω / -45 Ω 80 MHz ~ 230 MHz: 150 Ω $\pm$ 60 Ω
Dimension	$\leq$ 32 A: 170 (W)*115 (H)*210 (D) mm 32 A < I $\leq$ 100 A: 220 (W)*135 (H)*407 (D) mm 100 A < I $\leq$ 200 A: 435 (W)*215 (H)*670 (D) mm
Weight	Approx. 4.5 kg

Standard Accessories

$\leq$ 32 A	Calibration Adapter, Test Cable, User Manual
32 A < I $\leq$ 100 A	Calibration Adapter, Fan Power Adapter, Test Cable, User Manual
100 A < I $\leq$ 200 A	Calibration Adapter, Power Cord, Use Manual

Optional Accessories

1	RF Conducted Immunity Test System	Model: CST 1075 Frequency: 100 kHz ~ 230 MHz 1 dB gain: 48.5 dB $\pm$ 2 dB (75 W) Output impedance: 50 Ω	
2	150/50 Ω Calibration Kit	Model: CDN 100KIT Impedance: 100 Ω	

Selection Guide

1	CDN M1	PE, 32 A , EUT/AE 4 mm ² , 150 kHz ~ 230 MHz
2	CDN M2-75	L+N, 75 A 1500 V AC/3000 V DC (Line-Ground), EUT/AE 25 mm ² , 150 kHz ~ 80 MHz
3	CDN M2-100	L+N, 100 A 700 V AC/1500 V DC (Line-Ground), EUT/AE 25 mm ² , 150 kHz ~ 80 MHz L+N, 100 A 1500 V AC/3000 V DC (Line-Ground), EUT/AE 25 mm ² , 150 kHz ~ 80 MHz
4	CDN M2M3	L+N/L+N+PE, 32 A 250 V AC/400 V DC (Line-Ground), EUT/AE 4 mm ² , 150 kHz ~ 230 MHz
5	CDN M2M3-16	L+N/L+N+PE, 16 A 250 V AC/400 V DC (Line-Ground), EUT/AE 4 mm ² , 150 kHz ~ 230 MHz
6	CDN M3-32	L+N+PE, 32 A 250 V AC/400 V DC (Line-Ground), EUT/AE 4 mm ² , 150 kHz ~ 230 MHz
7	CDN M3-100 CDN M3-100(AC 1500)	L+N+PE, 100 A 700 V AC/1,500 V DC (Line-Ground), EUT/AE 25 mm ² , 150 kHz ~ 80 MHz L+N+PE, 100 A 1500 V AC/3,000 V DC (Line-Ground), EUT/AE 25 mm ² , 150 kHz ~ 80 MHz
8	CDN M3L	L1+L2+L3, 32 A 250 V AC/400 V DC (Line-Ground), EUT/AE 4 mm ² , 150 kHz ~ 230 MHz
9	CDN M3L-75	L1+L2+L, 75 A 700 V AC / 1,500 V DC (Line-Ground), EUT/AE 25 mm ² , 150 kHz ~ 80 MHz

Selection Guide

10	CDN M4N-16	L1+L2+L3+N, 16 A 250 V AC / 400 V DC (Line-Ground) EUT/AE 4 mm ² , 150 kHz ~ 230 MHz
11	CDN M4N-32	L1+L2+L3+N, 32 A 250 V AC / 400 V DC (Line-Ground) EUT/AE 4 mm ² , 150 kHz ~ 230 MHz
12	CDN M4N-75	L1+L2+L3+N, 75 A 700 V AC / 1,500 V DC (Line-Ground), EUT/AE 25 mm ² , 150 kHz ~ 80 MHz
13	CDN M4N-100 CDN M4N-100(AC 1500)	L1+L2+L3+N, 100 A 700 V AC/1,500 V DC (Line-Ground), EUT/AE 25 mm ² , 150 kHz ~ 80 MHz L1+L2+L3+N, 100 A 1500 V AC/3,000 V DC (Line-Ground), EUT/AE 25 mm ² , 150 kHz ~ 80 MHz
14	CDN M4N-200	L1+L2+L3+N, 200 A 700 V AC/1,500 V DC (Line-Ground) EUT/AE 50 mm ² , 150 kHz ~ 80 MHz
15	CDN M4PE-32 CDN M4PE-32(AC690V 32A)	L1+L2+L3+PE, 32A 250 V AC / 400 V DC (Line-Ground), EUT/AE 4 mm ² , 150 kHz ~ 230 MHz L1+L2+L3+PE, 32A 690 V AC / 1,000 V DC (Line-Ground), EUT/AE 4 mm ² , 150 kHz ~ 230 MHz
16	CDN M4PE-75	L1+L2+L3+PE, 75 A 700 V AC/1,500 V DC (Line-Ground), EUT/AE 25 mm ² , 150 kHz ~ 80 MHz
17	CDN M5-32 CDN M5-32(690)	L1+L2+L3+N+PE, 32 A 250 V AC / 400 V DC (Line-Ground), EUT/AE 4 mm ² , 150 kHz ~ 230 MHz L1+L2+L3+N+PE, 32 A 690 V AC / 1,000 V DC (Line-Ground), EUT/AE 4 mm ² , 150 kHz ~ 230 MHz
18	CDN M5-75	L1+L2+L3+N+PE, 75 A 700 V AC/1,500 V DC (Line-Ground), EUT/AE 25 mm ² , 150 kHz ~ 80 MHz
19	CDN M5-100 CDN M5-100(AC 1500)	L1+L2+L3+N+PE, 100 A 700 V AC/1,500 V DC (Line-Ground), EUT/AE 25 mm ² , 150 kHz ~ 80 MHz L1+L2+L3+N+PE, 100 A 1,500 V AC/3,000 V DC (Line-Ground), EUT/AE 25 mm ² , 150 kHz ~ 80 MHz

SUZHOU 3CTEST ELECTRONIC CO., LTD.

Address: No. 99 E'meishan Road, SND, Suzhou, Jiangsu Province, China

E-mail: globalsales@3ctest.cn

Service: service@3ctest.cn

Tel: +86 - 512 - 68077192

Web: www.3ctest.com



3CTEST is always striving for product innovation and quality improvement. Product appearance and technical specifications are subject to change without further notice.