

Coupling/Decoupling Networks for Unscreened Power Lines

CDN Mx



The pictures above shows the example of CDN M5-75

In Compliance with

- > IEC61000-4-6
- > EN 61000-4-6
- > GB/T17626.6

Introduction

The CDN Mx is designed according to IEC/EN 61000-4-6, which specifies the design and performance of coupling/decoupling networks. The CDN Mx is applicable to single-phase 1-line/2-line/2-line, three phase 4-line/5-line power lines. Its load capacity is available for customer' s requirement.

Features

- > As per IEC 61000-4-6:2017;
- > Applicable to unscreened power lines;

Application Areas

- | | |
|-----------------|-----------------------|
| > Communication | > IT |
| > Telecom | > Military |
| > Medical | > Avionics |
| > Broadcast | > New energy |
| > Railway | > New energy vehicles |

General Technical Parameters	
As per	IEC 61000-4-6
RF Input Port	BNC
RF Input Power	6 W
Common-Mode Impedance	150 kHz ~ 24 MHz: $150 \Omega \pm 20 \Omega$ 24 MHz ~ 80 MHz: $150 \Omega + 60 \Omega / -45 \Omega$ 80 MHz ~ 230 MHz: $150 \Omega \pm 60 \Omega$
Dimension	≤ 32 A: 170 mm (L) $\times$ 115 mm (H) $\times$ 210 mm (D) > 32 A: 220 mm (L) $\times$ 135 mm (H) $\times$ 407 mm (D)
Weight	Approx. 4.5 kg (subject to actual product)

Accessories(≤ 32 A)
Calibration Connector, Test line, User manual

Accessories(> 32 A)
Calibration adapter, Fan Battery Adapter, Test line, User manual

Options
Calibration adapter CDN 100KIT

Model Number Selection:

Nos	Model Number	Technical Parameters
1	CDN M2-100	L+N, 100A 600VAC/1000VDC, EUT/AE 25mm ² , 150KHz-80MHz
2	CDN M2M3-16	L+N/L+N+PE, 16A 250VAC/400VDC, EUT/AE 4mm, 150KHz-230MHz
3	CDN M1	L+N/L+N+PE, 32A 250VAC/400VDC, EUT/AE 4mm, 150KHz-230MHz
4	CDN M2M3	L+N/L+N+PE, 32A 250VAC/400VDC, EUT/AE 4mm, 150KHz-230MHz
5	CDN M3-100	L+N+PE, 100A 600VAC/1000VDC, EUT/AE 25mm ² , 150KHz-80MHz
6	CDN M4N-16	$L_1+L_2+L_3+N$, 16A 250V _{P-N} / 400V _{P-P} , EUT/AE 4mm, 150KHz-230MHz
7	CDN M4N-32	$L_1+L_2+L_3+N$, 32A 250V _{P-N} / 400V _{P-P} , EUT/AE 4mm, 150KHz-230MHz
8	CDN M4PE-32	$L_1+L_2+L_3+PE$, 32A 250V _{P-PE} / 400V _{P-P} , EUT/AE 4mm, 150KHz-230MHz
9	CDN M4N-75	$L_1+L_2+L_3+N$, 75A 1000V _{P-N} / 1500V _{P-P} , EUT/AE 25mm ² , 150KHz-80MHz
10	CDN M5-32	$L_1+L_2+L_3+N+PE$, 32A 250V _{P-N} / 400V _{P-P} , EUT/AE 4mm, 150KHz-230MHz
11	CDN M5-75	$L_1+L_2+L_3+N+PE$, 75A 1000V _{P-N} /1500V _{P-P} , EUT/AE 25mm ² , 150KHz-80MHz
12	CDN M3L	$L_1+L_2+L_3$, 32A 400VAC/400VDC, EUT/AE 4mm, 150KHz-230MHz
13	CDN M3L-75	$L_1+L_2+L_3$, 75A 1000V _{P-N} / 1500V _{P-P} , EUT/AE 25mm ² , 150KHz-80MHz



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