Coupling/Decoupling Networks for Power Supply Lines

CDN M4N-32

Datasheet

In Compliance with

> IEC 61000-4-6

> EN 61000-4-6

> GB/T 17626.6

Introduction

The CDN M4N/32 is designed according to IEC/EN 61000-4-6, which specifies clearly on the design and performance of coupling/decoupling networks. The CDN M4N/32 is applicable to three-phase (4-wire supply lines) mains supply systems.

Characteristics

>Maximum withstand voltage is 32 A;

>Applicable to three-phase (4-wire) supply lines;

Application Areas

> Communication

> Technology

> Telecom

> Military

> Medical

> Avionics

> Broadcast

> New energy

> Railway

Technical Parameters	
Model No.	CDN M4N-32
Standard	IEC/EN 61000-4-6
Frequency	150 kHz ~ 230 MHz
Max. AC Voltage (L-PE)	250 V
Max. DC Voltage (L-PE)	400 V
Max. Current	32 A
RF Input Interface （BNC）	<30 V
EUT Port Type	4 mm Banana(L1/L2/L3/N)
AE Port Type	4 mm Banana(L1/L2/L3/N)
Common Mode Impedance (EUT)	
150 kHz ~ 26 MHz	150 Ω±20 Ω
26 MHz ~ 80 MHz	150 Ω +60 Ω /-45 Ω
Voltage Division Coefficient（RF Input-EUT Port）	
150 kHz ~ 80 MHz	9.5 dB±1 dB
80 MHz ~ 230 MHz	9.5 dB±2 dB
Common mode Disturbances Suppression (RF Port / AE)	
150 kHz:	>35 dB
1.5 MHz:	>55 dB
30 MHz:	>55 dB
80 MHz:	>40 dB
230 MHz	>20 dB

Optional Accessories	
CAL 100F	150 Ω to 50 Ω Calibration device
CAL 150F	150 Ω Calibration device
CDN ADP M4	Calibration adapter
General Parameters	
Weight	Approx. 4.0 kg
Dimension	210 mm(L)×170 mm(W) × 115 mm(H)
Enclosure Material	Aluminum
Ambient Temperature	5°C ~ 40°C
Relative Humidity	20% ~ 80%
Package Case	Carton

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