

Coupling/Decoupling Networks for Unshielded Unsymmetrical Telemetry Cables

CDN 405M40-5



In Compliance with

- > IEC 61000-4-5
- > EN 61000-4-5
- > GB/T 17626.5

Introduction

The CDN 405M40-5 is designed in accordance with IEC 61000-4-5 and GB/T17626.5 and used for coupling surge onto 2 lines (1 pair) unshielded unsymmetrical coupling/decoupling telemetry cables for voltage up to 6 kV. It is applicable to test of telemetry communication port of electric equipment.

Features

- > Applied to 2 lines (1 pair) unshielded unsymmetrical cables;
- > All plugs are equipped with banana plugs to ensure the safety of users;
- > Applied to 1.2/50 μ s combination waves;

Application Areas

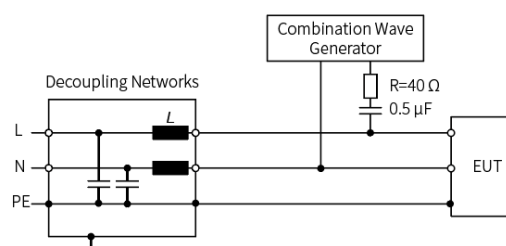
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|-----------------|--------------------|
| > Communication | > IT |
| > Telecom | > Military |
| > Medical | > Avionics |
| > Broadcast | > New energy power |
| > Railway | |

Technical Parameters	
Model No.	CDN 405M40-5
Standard	IEC/EN 61000-4-5
Coupling Waveform	1.2/50 μ s, 8/20 μ s
Impedance	40 $\Omega \pm 5\%$
Impulse Voltage	6 kV
Coupling Component	0.5 μ F Capacitor, built-in, standard equipped
Coupling Mode	2 lines (1 pair) unshielded d unsymmetrical line
Communication Interface Specification	Banana plug 4 mm
Data Rate	100 KBit/s
Operating Voltage	Max. 250 V AC/DC
Operating Current	Max. 5 A
Decoupling Inductance	20 mH
Residual Voltage	<15% (Couple surge voltage)

General Parameters	
Weight	Approx. 10 kg
Dimension	360 mm (L) x 220 mm (W) x135 mm(H)
Enclosure Material	Aluminum Alloy
Ambient Temperature	15 $^{\circ}$ C-35 $^{\circ}$ C
Relative Humidity	45%-75%
Package Case	Carton

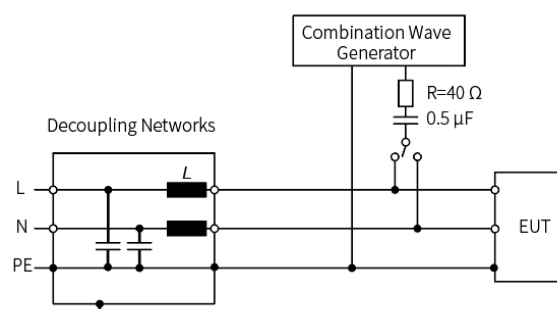
Accessories
Test line, Short-circuit plug, User manual

Standard Schematic Diagram Figure 1



As per IEC 61000-4-5: 2017 Figure 5

Standard Schematic Diagram Figure 2



As per IEC 61000-4-5: 2017 Figure 6



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