



Coupling/Decoupling Network for Shielded Lines

CDN 405S8

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

Features

- > Max. pulse voltage 6 kV; Max. working current 1 A
- > Support 1,000 Mbit/s signal transmission rate
- > Support EMC generators of all brands, quick connection without extra adaptation
- > Coupling Waveforms are 1.2/50 μ s, 8/20 μ s
- > Suitable for shielded Ethernet with standard RJ45 interface

Introduction

The CDN 405S8 Coupling/Decoupling Network for Screened Lines is designed in compliance with IEC/EN 61000-4-5, GB/T 17626.5, and fully complies with the performance and cabling specifications for CDNs.

The CDN 405S8 is a coupling/decoupling network designed for surge immunity testing of shielded Ethernet cables. Its max. test voltage is 6 kV and max. current reaches 1 A. The CDN 405S8 supports test requirements for cables with single-end grounded shielding and double-end grounded shielding.

Application Areas



Technical
Parameters

Coupling Waveform	1.2/50 μ s, 8/20 μ s
Pulse Voltage	6 kV
Coupling Method	Direct connection
Data Rate	1,000 Mbit/s
Working Current	Max. 1 A
EUT Connection Port	RJ45

General
Parameters

Weight	Approx. 10 kg
Dimension	360 mm(L) * 220 mm(W) * 135 mm(H)
Enclosure Material	Aluminum alloy
Ambient Temperature	15°C ~ 35°C
Relative Humidity	45% ~ 75%
Package	Carton

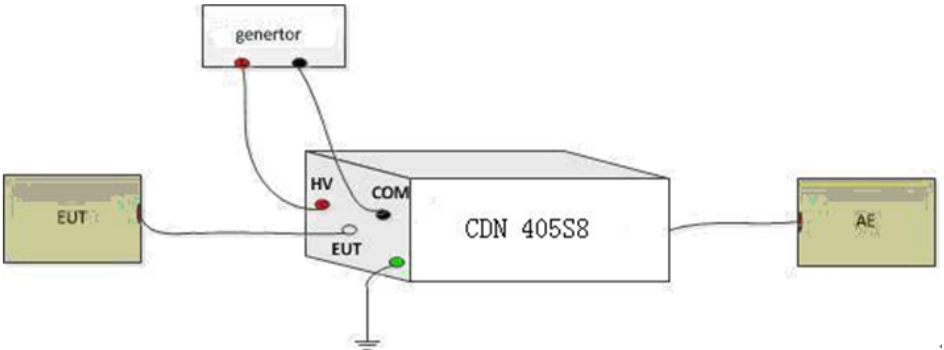
Standard Accessories

Shielded Ethernet Cable, Test Cables, Grounding Wire
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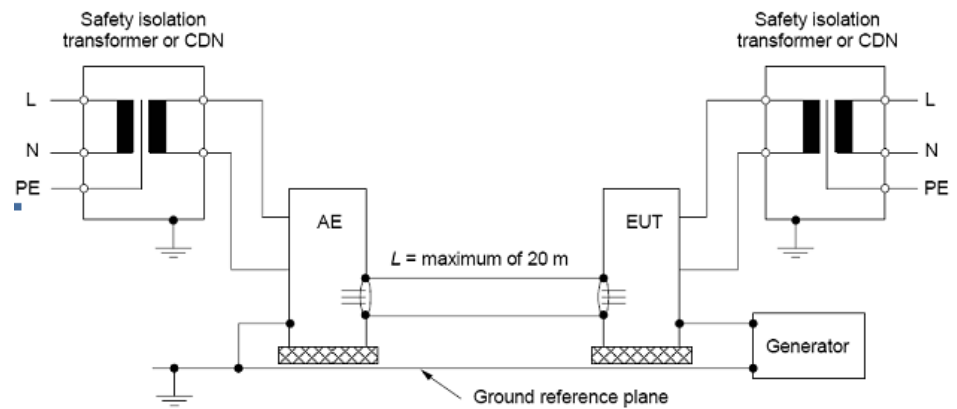
Optional Accesories

1	Lightning Surge Simulator	Model: CWS 600 Output Voltage: 0.25 kV ~ 6.0 kV	
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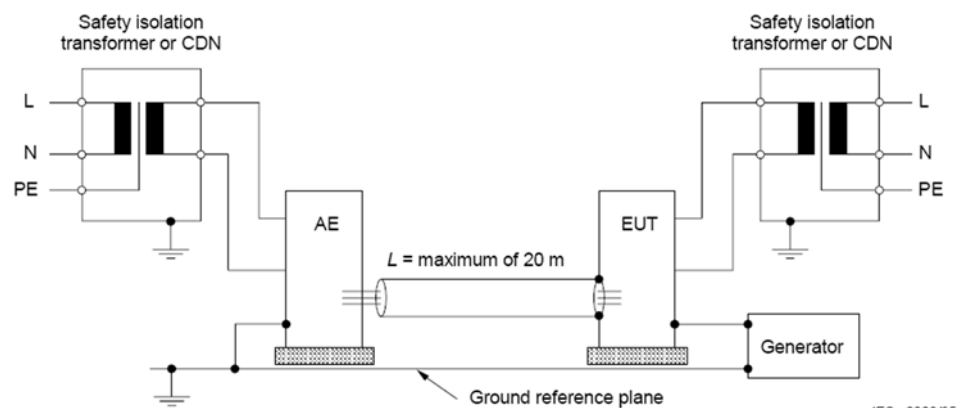
Connection Schematic



Standard Schematic 1 (Shielded Cable with Both Ends Grounded)



Standard Schematic 2 (Shielded Cable with Single End Grounded)



IEC 2339/05

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