

Coupling Network

CN 416M4N-200



■ IEC 61000-4-16

Features

- > 4-wire simultaneous common-mode injection
- > High-speed shorting switch for DC coupling
- > Signal injection via banana terminals
- > Max. conducted coupling voltage 300 V

Introduction

The CN 416M4N-200 coupling network complies with IEC 61000-4-16 and is designed for common-mode conducted immunity testing on 4-wire cables. It supports a maximum coupled common-mode voltage of 300 V, featuring excellent coupling and decoupling performance for stable and reliable testing.

With a compact design and easy operation, it is suitable for compliance verification of industrial control, automotive electronics, communication equipment, and household appliances.

Application Areas



Technical Parameters

Coupling Frequency	DC ~ 150 kHz, CW
Line Impedance	400 Ω *4, accuracy: $\pm 1\%$
Coupled Voltage	300 V
Coupling Mode	4-wire common-mode (simultaneous line-to-ground coupling)
Coupling Components	1 μ F capacitor, accuracy $\pm 1\%$
Working Voltage	Max. AC 690 V, DC 1,000 V
Working Current	Max. 200 A
Signal Injection Port	4 mm banana plug
Grounding Method	Flat grounding wire

General Parameters

Enclosure Material	Aluminum alloy
Dimension	220 (W)*135 (H)*415 (D) mm
Weight	Approx. 7 kg
Ambient Temperature	15 °C ~ 35 °C
Relative Humidity	45% ~ 75%
Atmospheric Pressure	86 kPa ~ 106 kPa

Standard Accessories

Power Cord, Test Cable, Grounding Wire, Shorting Plug, User Manual

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



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