



Data and Control Line Coupling Decoupling Network

CDN 418CAN

- IEC 61000-4-18
- GB/T 17626.18
- EN 61000-4-18

— Features

- > Compatible with foreign generator output port incoming line testing;
- > Auxiliary equipment does not require additional protection;
- > Coupling mode: CAN H+CAN L simultaneous ground/LIN ground;
- > Data rate: CAN 10 MBit/s, LIN 100 KBit/s.

— Introduction

The CDN 418CAN coupling decoupling network is suitable for damping oscillation wave testing of CAN/LIN lines. Designed to meet the IEC/EN 61000-4-18 unshielded data cable standard. The decoupling performance and transmission rate are stable, and the small size makes it easy to carry and use. The transmission rate is 10MBit/s, and the powerful decoupling capability can protect the auxiliary equipment (AE) from the influence of damping oscillation waves, ensuring the repeatability of testing; The maximum residual voltage at the AE port during the 3kV damping oscillation test is only 25V.

— Application Areas



Technical Parameters

Standard	IEC 61000-4-18
Coupled Waveform	Damping oscillation wave at 100 kHz/1 MHz
Pulse Voltage	≥ 3 kV
Coupling Mode	CAN H+CAN L simultaneous ground/LIN ground
Coupling Device	External replaceable module (TVS)
Communication Frequency	<5 MHz
Communication Interface Specifications	4mm Banana Head (EUT)
Data Rate	CAN 10MBit/s 、 LIN 100 KBit/s
Working Voltage	≤ 12 V DC
Working Current	Maximum 2 A
Residual Voltage	<25V

General Parameters

Weight	About 5 kg
Size	360 mm x 220 mm x 135 mm (length x width x height)
Shell Material	Aluminum material
Ambient Temperature	15 °C -35 °C (operating conditions)
Relative Humidity	45% -75% (operating conditions)

Standard Accessories

Instruction Manual, Test Line, Grounding Wire, Coupling Module, Decoupling Module.

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