

CAN-bus Surge Protection

Bourns® PortNote® solutions provide protection recommendations for typical port threats.

Solution Products



TBU-CA065-100-WH



MOV-10D201K



CDSOT23-T12LC

Objective

CAN is a serial bus with a message-based protocol designed specifically for automotive applications but can also be used in other areas such as industrial automation and medical equipment. Bit rates up to 1 Mbit/s are possible at network lengths below 40 m. This solution provides protection from high energy surges originating from switching and/or higher voltage transients.

Solution

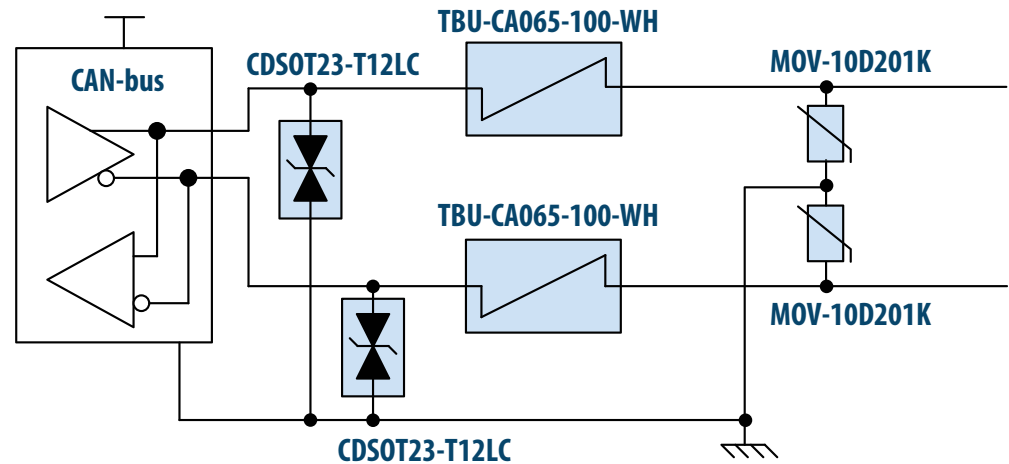
- 2 TBU® High-Speed Protectors:
TBU-CA065-100-WH
- 2 MOVs: MOV-10D201K
- 2 TVS Diode Arrays: CDSOT23-T12LC

Compliance

- IEC 61000-4-4 EFT
- IEC 61000-4-5 Surge / Lightning

Benefit

This solution is designed to protect the interface from surge events.



The schematic above illustrates the application protection and does not constitute the complete circuit design. Customers should verify actual device performance in their specific applications.

Request Sample 

To order samples, click on the "Request Sample" button.

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BOURNS[®]

Americas: Tel +1-951 781-5500
Email americus@bourns.com

EMEA: Tel +36 88 520 390
Email eurocus@bourns.com

Asia-Pacific: Tel +886-2 256 241 17
Email asiacus@bourns.com