



CUC-532

Features

- ✓ Supports CAN 2.0A and 2.0B specification
- ✓ Supports multimode fiber optic port with ST connector
- ✓ Automatic baud rate detection & support baud rate of 500K bps
- ✓ Equipped with jumper for 120Ω terminator resistor of CAN Bus
- ✓ Transmission up to 100 nodes on CAN port
- ✓ Provides power reverse protection and over voltage protection
- ✓ DIN Rail mountable



Overview

The Canary CUC-532 is a CAN to fiber optic converter especially designed to extend CAN bus signals to fiber cables. It secures data transmission via fiber optic transmission to provide immunity from EMI/RFI interferences. CAN bus is a serial communication way, which efficiently supports distributed real-time control with a very high level of security. It provides the error process mechanisms and message priority concepts. CUC-532 is used for CAN applications for transmitting signal up to 1.4 km and is an ideal device for applications where the transmission must be protected from surges, lighting, electrical contact or chemical corrosion.

Hardware Specifications

Interface

Fiber port: Multi-mode ST

LED: Power LED x 1, Transmit LED x 1, Receive LED x 1

Fiber cable: 62.5/124 μm

Wavelength: 850 nm

Baud rate: 10K to 500K bps

Terminal resistor: Selectable 120Ω terminator resistor by jumper

CAN Bus

Can Connector: 8-pin Terminal Block

CAN Bus Protocol: 2.0A and 2.0B

CAN Port channels: 2

CAN connector: 8-pin removable screw terminal

Propagation delay: 125 ns maximum

Power

Power Input: Unregulated 10~30VDC

Power Protection: Power reverse protection and over voltage protection

Power Consumption: 0.5 watts

Dimensions: IP-20 standard, 99 mm (W) x 32.30 mm (H) x 77.50 mm (D)

Installation: DIN-Rail, Panel mount

Environmental

Operating Temp: -25 to 75°C

Storage Temp: -40 to 80°C (-40 to 180°F)

Operating Humidity: 5%~90% RH (Non-condensing)

Regulatory Approvals: FCC Class A, CE

Environmental: WEEE, RoHS

MTBF: 200,6000 hrs based on Mil-Hdbk-217F, GB

Warranty: 2 years