

Ci- AA/DD/OO21 CAN/DeviceNet/CAN Open Link Redundant Module



- Support including CAN 2.0A&CAN2.0B 32 kinds of reserve rate of communication
- DeviceNet、CANOpen Bus support Dial switch for setting communication rate or rate adaptive
- Support 3Chs photon coupled isolation ports, Isolated Voltage 1000V
- The unit has 120 ohms, use corresponding switch to make it to be enable, provide 4000V lightning protection function
- Support 4 dual colors LED Indicator, Fieldbus ports error Relay alarm output
- DC (9~36V) dual redundant power input, With DC1500V voltage isolation and reverse connect protection
- IP40 protection, Metal case (wave grain aluminum reinforce case option), 35mmDIN-Rail Installation
- Operating Temperature: -40℃ to 75℃ suitable to various Industrial work situation

Summary

This product is a can protocol type Fieldbus link redundant module, realizes the mutual conversion of single-road bus and double redundant bus, can connect single can port equipment to redundant bus network. The series conforms to the Fieldbus based on the CAN2.0A/B protocol, such as can, DeviceNet, CANOpen, SDS, NMEA2000, SAE J1939, SAE J2284, the rate is set by the dial-up switch (recommended) or the selection rate adaptive setting. The product is Industrial grad designed, Casing: IP40 protection, wave grain aluminum reinforce case option, DIN rail mounting, DC(9~36V) power input, support Fieldbus ports error Relay alarm output, dual redundant power input and isolation protection. -40~75℃ Operating Temperature, can meet various Industrial situation.

Specification

Bus data interface

- 3 5-Pin terminal interface, in line with the recommendations of the organization of CiA and ODVA
- Support CAN/DeviceNet/CANOpen bus standard
- Baud Rates: DeviceNet/CANOpen full rate adaptation, up to 1Mbps
- Isolated voltage 1000V,4000V Anti-thunder protection
- Resistor: the unit has 120 ohms, use corresponding switch to make it to be enable(Invalid default)

Power

- DC (9~36V) dual redundant power input, industrial standard voltage DC24V, consumption is less than 4W, With DC1500V voltage isolation and reverse connect protection, adopt 5 cores 5.08mm industrial terminal port (please use industrial standard power, otherwise it will occur unit error or damage).

Protection

- Relay: Fieldbus ports error Relay alarm output
- Contact rating: 1A @24V DC, Industrial Terminal port

Mechanical

- Dimensions (HxDxW): 136mm×104.8mm×52.8mm
- Weight:800g
- Casing: IP40 protection, wave grain aluminum reinforce case option
- Installation: Wall mounting or DIN rail mounting

Environmental

- Operating Temperature:-40 ℃ ~75 ℃ (-40 ℃ ~85 ℃ optional)
- Storage Temperature: -40℃~85℃
- Ambient Relative Humidity: 5%~95%(non-condensing)

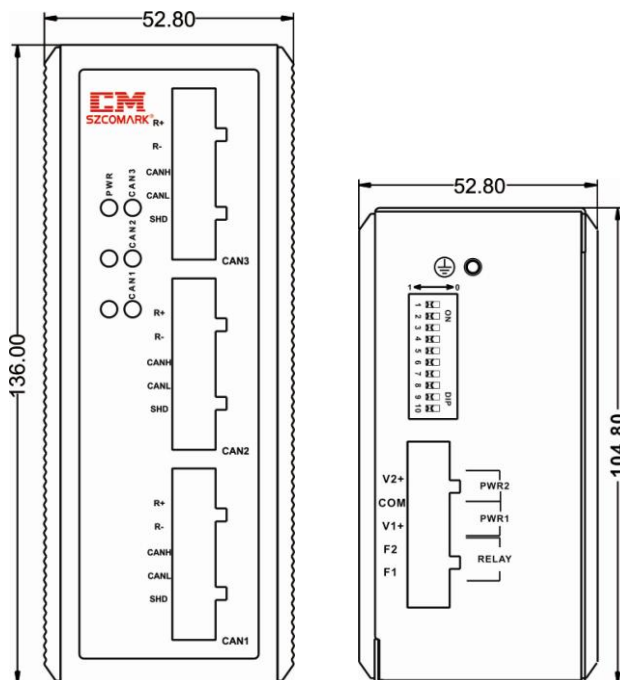
Warranty

- Warranty Period: 5 years

Certification

- IEC61000-4-2(ESD): Power ±4KV Contact, ±15KV Air; Relay ±6KV Contact, ±15KV Air; Data Cable ±15KV Air
- IEC61000-4-4(EFT):Power ±4KV, Data Cable ±4KV
- IEC61000-4-5(Surge):Power ±2KV CM/ ±1KV DM, Relay±2KV CM/ ±1KV DM
- IEC60068-2-27(Shock)
- IEC60068-2-32(Free Fall)
- IEC61000-6-2(General Industrial Standard)
- EN50121-4 (rail transit)

Dimensions (mm)



Models

Part No.	Product series	Description
Ci-AA21	3*copper	CAN2.0A/B bus link redundancy module, 1 M port (CAN3), 2 redundant bus A (CAN1), B (CAN2) port, DIP switch setting rate.
Ci-DD21	3*copper	DeviceNet bus link redundancy module, 1 M port (CAN3), 2 redundant bus A (CAN1), B (CAN2) port, DIP switch setting rate or rate adaptive option.
Ci-OO21	3*copper	CANOpen bus link redundancy module, 1 M port (CAN3), 2 redundant bus A (CAN1), B (CAN2) port, DIP switch setting rate or rate adaptive option.

Package List

- CAN/DeviceNet/CANOpen Link Redundant Module (with industrial terminal block for power equipment)
- Product specification
- Product warranty card