

Ci- AA/DD/OO30/20 CAN/DeviceNet/CAN Open HUB Repeater



- Provide 3/2 CAN bus interface, support including CAN 2.0A&CAN2.0B 32 kinds of reserve rate of communication
- 3/2 Ports HUB function, support star link and extend the ControlNet Fieldbus transmission distance
- DeviceNet、CANOpen Bus support Dial switch for setting communication rate or rate adaptive
- Support 3/2Chs photon coupled isolation ports, Isolated Voltage 1000V
- 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 series of products is a can protocol-type Fieldbus hub relay, in line with the CAN2.0A/B based on fieldbus standards, such as can, DeviceNet, CANOpen, SDS, NMEA2000, SAE J1939, SAE J2284, independent 3/2 bus electrical interface data forwarding, electrical signal relay and cable system to provide a star link. The device can prolong the transmission distance of can bus, change the topology of bus, and have the performance of optical coupling isolation and reduce disturbance, and based on can bus standard, the rate is adjusted by the dialing code switch setting or rate. 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

- 3/2 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

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): 136mmx104.8mmx52.8mm
- 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)

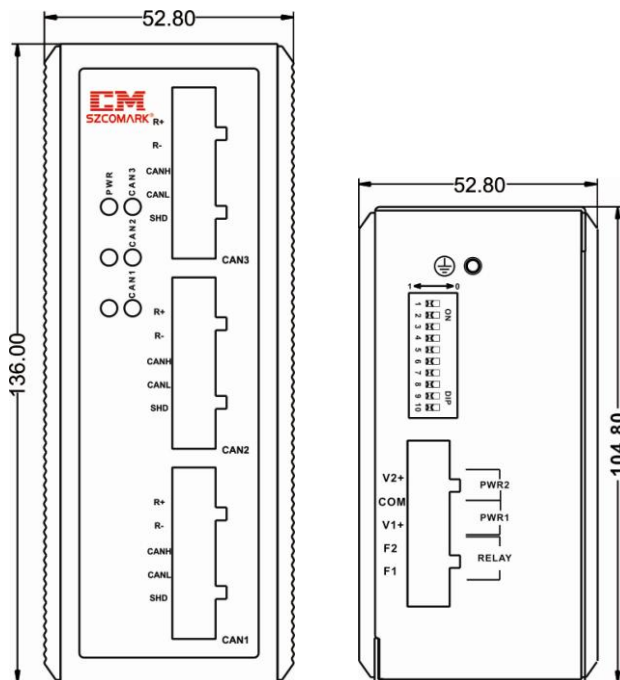
Warranty

- 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-AA30 | 3*copper | Three-way independent can interface, dial-up switch set rate or rate adaptive optional. |
| Ci-AA20 | 2*copper | Two independent can interface, dial-up switch set rate or rate adaptive optional. |
| Ci-DD30 | 3*copper | Three-way independent DeviceNET interface, dial-up switch set rate or rate adaptive optional. |
| Ci-DD20 | 2*copper | Two-way independent DeviceNET interface, dial-up switch set rate or rate adaptive optional. |

Package List

- CAN/DeviceNet/CANOpen HUB Repeater (with industrial terminal block for power equipment)
- Product specification
- Product warranty card