

CSF-CAN-F

CAN-Bus Level Fiber Optic Converter



- Support 1 × CAN port and 1 × optical fiber interface
- Support long-distance communication, with a maximum transmission distance of 20km
- Transient interference suppression on CANBUS data line, communication rate up to 300Kbps
- Power supply and data flow have indicator lights for troubleshooting
- Industrial-grade design, all surface mount processes ensure long-term reliability of the product
- Support DC5V~30V power input
- Support a wide operating temperature range of -40°C~+85°C

Product Description

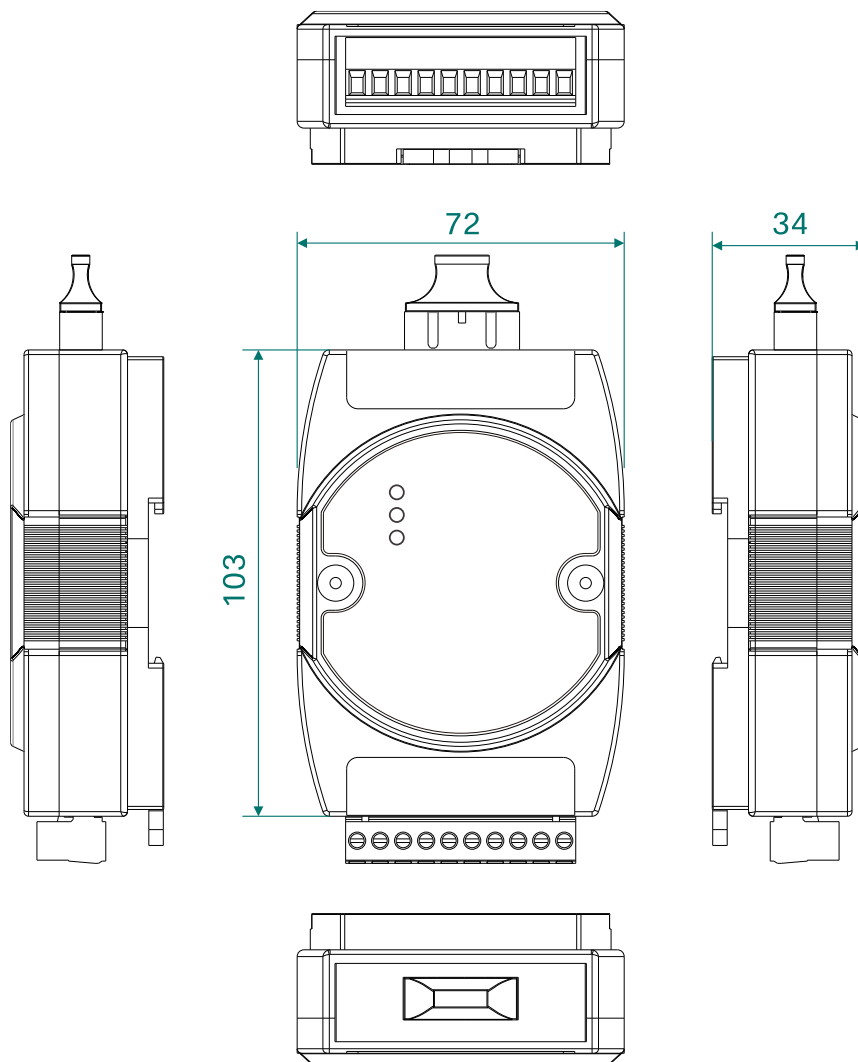
CSF-CAN-F fiber optic converter realizes the transmission of CAN bus signals through optical fiber, which can extend the communication distance of CAN bus and provide 1 CAN bus interface and 1 optical fiber interface. At the same time, due to the use of optical fiber communication, the problems of electromagnetic interference, ground ring interference and lightning damage are solved, and the reliability, security and confidentiality of data communication are greatly improved. It can be widely used in various industrial control, process control and traffic control occasions, especially suitable for banks, power and departments and systems with special requirements for electromagnetic interference environment.

Technical Specifications

Interface	
CAN Port	Interface type: 1 CAN
	Baud rate: 300bps~300000bps
	Connection method: 10-bit 5.08mm pitch terminal block
Fiber optic interface	Interface type: 1 optical fiber interface, ST/SC/FC optional
	Transmission distance: multi-mode 5km, single-mode 20km
	Transmission wavelength: multi-mode 850nm/1310nm or single-mode 1310nm
	Fiber type: multi-mode fiber 62.5/125μm or 50/125μm, single-mode fiber 9/125μm
	Optical Power and sensitivity: ≥-8dBm, ≤-20dBm (refer to different optical modules for details)
	Bit error rate: ≤10 ⁻⁹
Indicator light	Power indicator, CAN port receiving and sending indicator
Power supply	
Input Voltage	DC5V~30V
Power Consumption	<300mA
Connection	10-bit 5.08mm spacing terminal
Mechanical	
Dimensions	103 × 72 × 34(mm) (excluding rail)
Installation	35mm standard DIN rail installation
Weight	About 116g
Working Environment	
Operating Temp.	-40℃~+85℃
Storage Temp.	-40℃~+85℃
Relative Humidity	5%~95% (no condensation)

Dimensions

Unit: mm



Ordering Information

Standard Model	CAN Port	Fiber Optic Interface	Power Input
CSF-CAN-F(M/S)	1	1	DC5V~30V



Contact Us

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