

MWF201-F-KG

Din-rail RS232/RS485/RS422 Serial to Fiber Converter

Product description

The main function of MWF201 photoelectric converter is to realize the photoelectric conversion of RS-232/RS-485/422 signals. This series of products realizes long-distance transmission through RS-232 or RS-485 or RS-422 through optical fiber. Optical fiber converters use optical fiber as the transmission medium; have the advantages of isolation high voltage, anti-electromagnetic interference, anti-lightning, etc., widely used in various industrial controls, distributed data acquisition and other occasions, especially suitable for power system automation, traffic control and other departments.



Features:

- RS-232/RS-485/RS-422 interface available
- Signal flow is automatically identified and transparently transmitted
- Imported optical transceiver module to ensure the transmission distance
- The baud rate adapts without changing the user protocol
- Industrial design, all surface mount technology
- Din-rail installation

Product specifications

Technical parameters

Standard	Compliant with EIA RS-232, RS-485, RS-422
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Interface

Interface form	Serial Port: Electrical characteristics, Meet RS-232/RS-422/RS-485 Physical characteristics, Industrial terminal block Optical interface: Single multi-mode optional, SC/ST/FC optional
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Communication rate

Baud Rate	300bps~115.2Kbps, rate adaptive signal
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LEDs

Power indicator	POW
Data transmission indicator light	TX, RX

Power

Power Supply	DC5~30V
Interface	BNC coaxial input, industrial terminal block
Power	<1W
Overload protection	Support
Lightning protection	600W/ms anti-lightning strike
Static protection	15kv anti-static

Physical Characteristics

Shell	Aluminum housing, IP40 protection
Dimension	108mm×34mm×126mm

Transmission distance

Serial port line	RS-232, 15m@9600bps RS-422/RS-485, 1.2km@9600bps
Multi-mode fiber	850nm/1310nm,2Km
Single mode fiber	1310nm, 20km/40km 1550nm, 60km/80km

Working Environment

Operating Temperature	-40°C~85°C
Storage temperature	-40°C~85°C
Ambient Humidity	5%~95%

Warranty

Warranty	5 Years
Certification	
Certification	CE, FCC

Ordering information

MWF201-M-KG	<ol style="list-style-type: none">1.RS232/485/422 three-in-one terminal interface fiber converter.2.Multi-mode 2KM,SC,ST or FC connector are available.3.External DC5-30V power input, standard PWR5-5 (DC5V/1A) power adapter.4.Aluminum alloy shell din-rail installation.
MWF201-S-KG	<ol style="list-style-type: none">1.RS232/485/422 three-in-one terminal interface fiber converter.2.Single-mode 20KM,40km/60km/80km are available;SC,ST or FC connector are available.3.External DC5-30V power input, standard PWR5-5 (DC5V/1A) power adapter.4.Aluminum alloy shell din-rail installation.