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SC12FEIG S O Industrial Converter User Manual

Product Overview

This is a Full gigabit industrial Converter with 10*10/100/1000M RJ45 ports with SFP port

Installation Requirements

- ✓ The Industrial Media Converter supports DIN Rail mounting.
- ✓ The Temperature and Humidity of the installation site must be kept within the temperature and humidity range in which the Industrial Converter can work normally. For the normal temperature range and relative humidity range of the Industrial Converter, refer to the product datasheet.
- ✓ Grounding is an important step in the installation process. The correct connection of the grounding cable is an important guarantee for the Converter's lightning protection, high-voltage surge protection, interference protection, and static electricity damage.
- ✓ Lightning protection requirements
- ✓ Do not use outdoor overhead wiring. The equipment may be damaged by lightning. Please use buried or steel pipe wiring.
- ✓ The Converter must be grounded before turning on the power to ensure that the grounding resistance of the installation environment does not exceed 10Ω, otherwise the equipment may be damaged.

Precautions

- ✓ Connect the Converter to the DC12 - 52V power supply (Pay attention to the positive and negative polarity of the power supply, please refer to the instructions for the wiring method), then connect the AC end of the power supply, observe whether the Converter has completed the self-check normally, and confirm that the Converter has been powered on normally.
- ✓ Use a network cable to connect to any Ethernet port/optical interface of the Converter.
- ✓ Connect the test equipment and check whether the port data is received/sent normally and whether there is packet loss through the PC computer ping packet method.
- ✓ For Converter that support the POE power supply, please confirm that the connected device supports POE power supply voltage and power within the specified range.
- ✓ For Converter using single-fiber optical modules, please confirm that the optical modules at both ends of a single fiber jumper must be A+B paired before the test can communicate normally.

Installation

- ✓ Please select a suitable installation location or cabinet according to the installation method of the Converter. (DIN rail type installation, customers need to configure DIN35mm national standard guide rail, rack-mounted installation is suitable for national standard 1U/19 inch cabinet)
- ✓ When installing the Converter, you need to use the matching mounting accessories and screws.
- ✓ It is not permitted to install the Converter with Power on.

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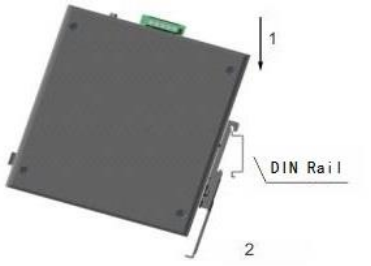
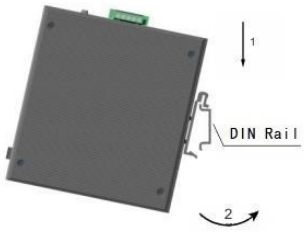
DIN Rail installation



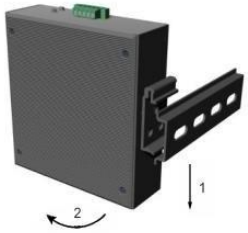
Picture 1-1

Picture 1-2

Pull the mounting clamp installation method:
(Installation) As shown in picture 1-1, first snap the hook part of the clamp into the upper rail and then pull the buckle down to snap into the lower rail to complete the installation
(Removal) As shown in picture 1-2, first pull down the buckle, the lower part of the mounting clamp is separated from the lower rail and then pull it up.



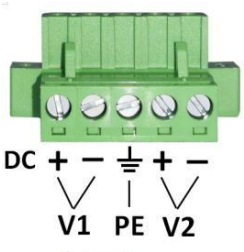
Picture 2-1



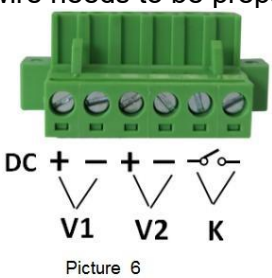
Picture 2-2

Push-in mounting clamp installation method
(Installation) As shown in picture 2-1, first snap the clamp with spring into the upper rail and then press the buckle downwards to snap into the lower rail to complete the installation;
(Removal) As shown in picture 2-2, first apply downward pressure, wait until the lower part of the mounting clamp is separated from the lower rail and then pull it upward.

Converter connection instructions
- ✓ Connect the Converter power line to the power supply. (AC or DC).
- ✓ The grounding wire needs to be prepared by the user.



Picture 5



Picture 6

Note: For the specific wiring method, please connect according to the actual identification of the device interface.

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Terminals are defined as follows

Sign	Name	Description
V1	Main power input connection terminal	✓ When wiring, be sure to confirm the positive and negative polarity of the DC power line ✓ For Converters that support POE, the power supply voltage must be within the range of DC48-57V ✓ Non-POE Converter, the power supply voltage range is DC12-52V
V2	Standby power input connection terminal	
PE	Power protection ground connection terminal	Power supply protective ground
K	Alarm Relay terminal	Used to connect alarm circuits (Lamps, Buzzer etc)

The AC power supply must be disconnected when installing and removing the Converter and the power line.

After installation Check

- ✓ Check whether the mounting parts are firm and whether the screws are tightened.
- ✓ Check whether the polarity of all cable connections is correct, whether the connection is firm and reliable, and ensure that there is no short circuit.
- ✓ Check whether there are screw holes without screws and whether the screws of each module are firm.
- ✓ Power On and check. Whether the Industrial Converter has completed the self-check process normally, and whether the indicator of the connected port is normal.

Indicator and button function table

Symbol	Indicator Function	State	Description	Colour
PWR	Work indicator	On	Normal	Green
		Off	No power supply or failure	
		Blink	System abnormality or failure	
PoE	PoE	On	Normal power supply	Green
		Blink	PD device failure or power overload	
		Off	No connected PD or PoE power off	
Link	Network	On	Link is ok	Yellow
		Blink	The link port is receiving/sending data	
		Off	Link failure or port failure	
L/A	Optical fiber	On	The Fiber port is ok	Green
		Blink	The Fiber port is receiving/sending data	
		Off	Fiber failure or port failure	
Speed or 1000M	Port rate	On	Gigabit transmission	Green
		Off	Non-gigabit transmission	

Models Description : SC12FEIG S O

Industrial Giga Converter with 1*10/100/1000M RJ45 port and 1*1000M uplink SFP