

#### 4. Status LEDs

LED	State	Indication
LINK/ACT	Steady	A valid network connection established. LINK stands for LINK.
	Flashing	Transmitting or receiving data. ACT stands for ACTIVITY.
100	Steady	The port is transferring at 100Mbps.
	Off	The port is transferring at 10Mbps if this LED is dark.

#### 5. Power Consumption

Depending on the usage of the switch and the supply voltage, power consumption differs from 7mA to 70mA.

Please see table below.

State	Current @24V	Current @12V
power up	20mA	41mA
idle	7mA	16mA
1 port connected	14mA	29mA
2 ports connected	19mA	39mA
3 ports connected	24mA	51mA
4 ports connected	28mA	60mA
5 ports connected	35mA	70mA



Frontview



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# Quick Guide

## MC SW5

## Industrial Switch

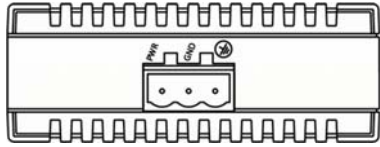
## Quick Guide

The MC SW5 is an Industrial Ethernet switch with 5 Ethernet ports and Auto-negotiation 10/100 Mbps.


The switch is a plug-and-play Fast Ethernet Switch in compact size. It doesn't have any complicated software to set up.

### 1. Power Supply

The Switch is powered by DC Power which has to be supplied at the DC Terminal Block. The input voltage range can be 12-48V DC.



1 Power Supply Terminal Block

Label	Comment
PWR	+12-48V DC
GND	Ground
	PE (Ground)

You can check the correct power supply at the PWR-LED at the frontside of the Switch.

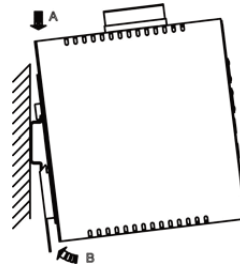
### 2. Functional Description

- Complies with EN61000-6-2 & EN61000-6-4 Generic standard immunity for industrial environment.
- Supports IEEE802.3az 10Base-Te only. 10Base-T is not supported. 10Base-Te is fully interoperable with 10Base-T over 100m of class D (Category 5) or better cabling as specified in ISO/IEC 11801:1995.
- Supports 802.3az/802.3u/802.3x. Auto-negotiation: 10/100Mbps, Full/Half-duplex. Auto MDI/MDIX.

- 100Base-FX: Multi mode SC or ST type, Single mode SC or ST type.
- 100Base-BX: WDM Multi mode or Single mode SC type.
- Supports 1024 MAC addresses, 448K bits buffer memory.
- IEEE802.3x Flow control for Full-duplex, Back pressure for Half-duplex.
- None-blocking architecture and full wire-speed forwarding rate.
- Supports IEEE802.1p QoS with two priority queues.
- Supports IEEE802.3az Energy Efficient Ethernet (EEE).
- Supports max. length of frame up to 1552 Bytes.
- Power consumption: 2.12W max.
- Power Supply: DC Terminal Block power input, 12-48V DC.
- Operating temperature ranges from -10°C to 60°C.
- Plastic compact DIN-Rail industrial case design.

### 3. Assembly, Startup and Dismantling

- Assembly: Place the device on the DIN rail from above. Push the front of the device towards the mounting surface until it audibly snaps into place.



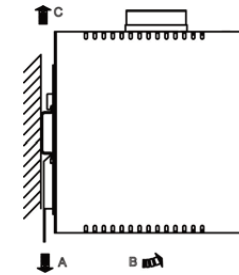
2 Assembly

- Startup: Connect the supply voltage to start up the device via the terminal block.



3 DIN Rail Mounting

- Dismantling: Pull out the lower edge and then remove the device from the DIN rail.



4 Dismantling