

SWITCH 1005TX

Quick Installation Guide

Address of the manufacturer:

SALZ Automation GmbH
Max-Planck-Str. 64
32107 Bad Salzufflen, Germany
Email: support@salz-automation.com
Please scan for more information:



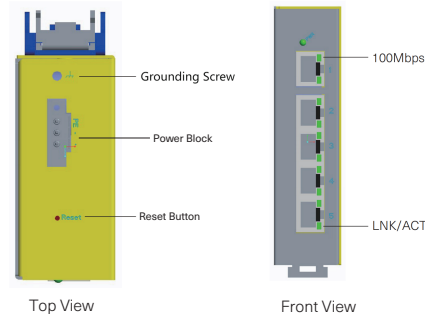
1. Overview

SWITCH 1005TX is equipped with 5 x 10/100 RJ45 Ports enclosed in IP30 housing.

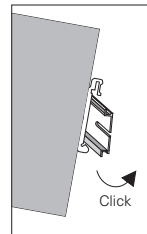
2. Package Checklist

- SWITCH 1005TX Switch x 1

Panel view

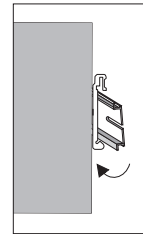


3. Mounting and Dismounting to DIN-Rail



Place the SWITCH 1005TX on the DIN rail from above using the slot, push the front of the switch toward the mounting surface until it snaps into place with a click sound.

Mounting the Switch



Press the switch from top and pull out the lower edge of the switch and then remove the switch from the DIN rail.

Removing the Switch

⚠ ATTENTION: Ambient temperature should not exceed 75°C.

4. Grounding the switch SWITCH 1005TX

Step1: Run the ground connection from the ground screw to the grounding surface prior to connecting devices.

Step2: Connect the ground connection from the terminal block to the grounding surface prior to connecting device.

⚠ ATTENTION: To be mounted on a well- grounded mounting surface such as a metal panel.

5. Wiring requirements

⚠ WARNING: Turn off the power before connecting modules or wires. The correct power supply voltage is listed on the product label. Check the voltage of your power source to make sure that you are using the correct voltage. DO NOT use a voltage greater than what is specified on the product label. Calculate the maximum possible current in each power wire and common wire. Observe all electrical codes dictating the maximum current allowable for each wire size. If current exceeds the maximum rating, the wiring can overheat causing serious damage to your equipment.

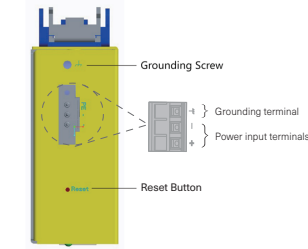
- Use separate paths to route wiring for power and devices. If power wiring and device wiring paths must cross make sure the wires are perpendicular at the intersection point

NOTE: Do not run signal or communications wiring and power wiring through the same wire conduit. To avoid interference, wires with different signal characteristics should be routed separately.

- You can use the type of signal transmitted through a wire to determine which wires should be kept separate. The rule of thumb is that wiring that shares similar electrical characteristics can be bundled together.
- You should separate input wiring from output wiring and label them properly.

5.1 Wiring Power Input

5.1.1 SWITCH 1005TX with 3pin terminal block



Caution:

- Use copper conductors only
- Wiring cable temperature should support at least 105°C
- Tighten the wire to a torque value 20N
- The wire gauge for the terminal block should range between 0.2 to 2.5 mm²

To insert power wire and connect the 18 to 56 V DC at a maximum of 0.3 A DC power to the power terminal block, follow the steps below:

- Loosen the wire-clamp screws, Insert the negative/positive DC wires into the (- /+) terminals, respectively, and Tighten the wire-clamp screws.



ATTENTION: Please use a power supply from 18 to 56 V DC, the device power shall be supplied by SELV circuit.

5.1.2 Cabling RJ45

Connect one end of an Ethernet/RJ45 cable into Ethernet port of SWITCH 1005TX and other end to attached networking device. Ports 1-5 of the switch support Fast Ethernet (10/100Base-T RJ45 Ports)

Note: Category 5e cable or above should be used.

All RJ45 ports support auto negotiation and auto MDI/MDI-X to eliminate the need for crossover cabling.

6. LED Indicators

PWR (Green)	Illuminated	Power On by terminal block PWR
	Off	Terminal block PWR fails or is not available
LNK/ACT (Green)	Illuminated	Copper port link-up
	Blinking	Data is transmitting / receiving
	Off	No link or link failed

7. Environmental limits

Operating Temperature	-40°C ... 75°C
Storage Temperature	-40°C ... 85°C
Altitude	Up to 2000m
Ambient relative humidity	5 to 95% (non-condensing)



ATTENTION: This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions:
1. This device may not cause harmful interference
2. This device must accept any interference received including interference that may cause undesired operation

If the equipment is used in a manner not specified by SALZ Automation, the protection provided by the equipment may be impaired.

SWITCH 1005TX 快速安装指南

制造商地址：
SALZ Automation GmbH
Max-Planck-Str. 64
32107 Bad Salzflen, Germany
Email: support@salz-automation.com
欲了解更多信息 请扫描以下

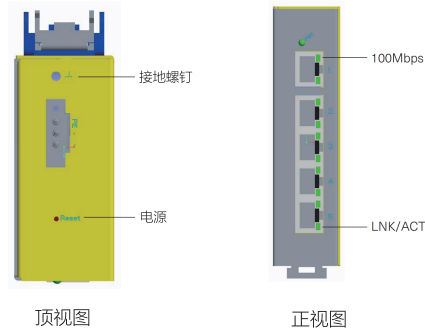


1. 概述

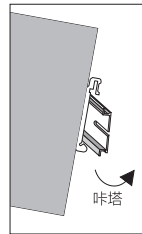
SWITCH 1005TX 配有5个封装在IP30外壳中的10/100 RJ45 端口。

2. 包装清单

- SWITCH 1005TX 1台
面板视图

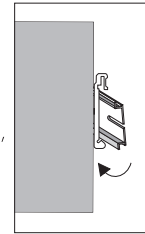


3. 交换机DIN导轨安装与拆卸



安装交换机

使用插槽从上方将 SWITCH 1005TX 放在 DIN 导轨上，并将交换机前部推向安装表面，直至其卡入到位，并发出咔塔声。



拆卸交换机

从顶部按交换机，并拉出其下边缘，然后从DIN导轨卸下交换机。

注意： 环境温度不应超过75°C

4. SWITCH 1005TX的接地

步骤1：连接设备之前，将接地螺钉连接到接地表面。

步骤2：连接设备之前，将接线端子接地端连接到接地表面。

注意： 本产品旨在安装到接地良好的安装表面(例如金属面板)。

5. 接线要求

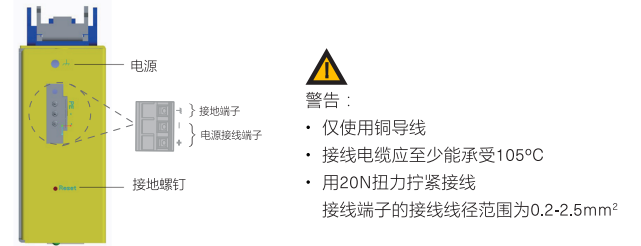
- 警告：** 连接模块或接线前请先关闭电源。产品标签上列出了正确的电源电压。检查电源电压，确保使用正确的电压。请勿使用高于产品标签上规定的电压。计算每根电源线和公共线中的最大可能电流。遵守规定每种线径允许的最大电流的所有电气规范。如果电流超过最大额定值，接线可能会过热，从而严重损坏您的设备。
- 使用单独的路径为电源和设备布线。如果电源线和设备布线路径必须交叉，请确保电线在交叉点处垂直

注意：请勿将信号或通信线和电源线穿过 相同的电线导管。为避免干扰，使用不同信号的电线 特性应单独路由。

- 您可以使用通过电线传输的信号类型来确定哪些电线应该分开。经验法则是接线具有相似的电气特性，可以捆绑在一起。
- 您应该将输入接线与输出接线分开。
- 我们建议您为系统中所有设备的接线贴上标签。

5.1 电源输入的接线

5.1.1 使用3针接线端子的SWITCH 1005TX



- 警告：**
- 仅使用铜导线
 - 接线电缆应至少能承受105°C
 - 用20N扭力拧紧接线
- 接线端子的接线线径范围为0.2-2.5mm²

要插入电源线并将最大 0.3 A DC 电源的 18 至 56 V DC 电源连接到电源接线盒，请按照以下步骤操作：

- 松开线夹螺丝，分别将负极/正极直流线插入 (-/+) 端子，并拧紧线夹螺丝。

注意： 请使用 18-56V 直流电源，即设备的电源应使用安全特低电压 (SELV)

5.1.2 RJ45的接线

将以太网/RJ45电缆的一端连接到SWITCH 1005TX的以太网端口，另一端连接到连接的网络设备，1-5号端口支持快速以太网(10/100Base-T RJ45端口)。SWITCH 1005TX上的所有RJ45端口都支持自动协商和自动 MDI/MDI-X，因而，无需交叉布线 请注意。：应使用5e或更高级别的电缆

6. LED指示灯

PWR (绿色)	长亮	通过接线端子PWR供电
	熄灭	接线端子PWR出现故障或不可用
LNK/ACT (绿色)	长亮	铜端口连接
	闪烁	正在发送/接收数据
	熄灭	未连接或连接失败

7. 环境限制

工作温度	-40°C ... 75°C
储存温度	-40°C ... 85°C
海拔高度	高达2000m
环境相对湿度	5-95% (无冷凝)

- 注意：**
- 本设备符合FCC规则的第15部分。操作受以下条件限制：
1. 本设备不得造成有害干扰
 2. 本设备必须接受任何收到的干扰，包括可能会导致意外操作的干扰

如果以SALZ Automation未指定的方式使用本设备，则可能无法获得设备提供的保护。