Screw terminal board for DIN rail

ADDI-DATA®

PX 901

32 terminals for signal lines

LED indicator status for digital signals

Varistors for analog signals

DIN-rail mounting

Direct connection to ADDI-DATA boards

The screw terminal board PX 901-xx is used for the connection of maximum 32 signal or signal-reference lines.

ADDI-DATA boards can be connected through 37-pin SUB-D female connector with our standard cables of the STxxx series.

The housing of the female connector is connected with two ground terminals so that the board is additionally earthed for more security. All components of the board are enclosed in an earthing strip also connected to the ground terminals.

Each terminal is directly connected to one pin of the 37-pin SUB-D female connector. The designations on the terminals indicate the respective connections for the 37-pin SUB-D female connector.

The PX 901-D version is equipped with LEDs which are ideal for status display when working with ADDI-DATA digital 24 V I/O boards.
The PX901-A version is fitted with transil diodes for analog signals, but without LEDs.

An additional 4-pin terminal is available in order to be able to connect more than one 24 V operating voltage and ground line.

The 24 V or the ground terminal can be connected very easily through wire wrap to the 4-pin terminal.

The 24 V operating voltage lines are additionally protected against overvoltage through varistors and transil diodes.

Features

- Connection of up to 32 signal lines
- Separate ground connections
- Connection through screw terminals
- 2 rows of terminals
- Terminals can be labelled
- Additional 4-pin terminal for connecting the ground or the supply voltage
- With housing for mounting on a standard supporting rail
- All terminals intended for large conductor cross sections: up to 2.5 mm²

Safety features

- Overvoltage protection of the 24 V supply terminals through varistors and transil diodes
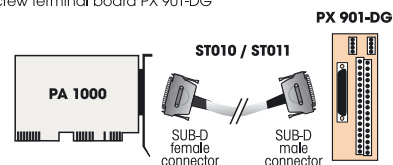
Applications

- Process control
- Industrial measuring
- Acquisition of sensor data
- Signal analysis

Specifications

Signal line terminals:	32 for the connection of peripherals
Additional terminals:	- 4 for feeding the external operating voltage (digital I/O) - 2 for the connection of ground lines
Status display:	32 LEDs for status display, 1 LED for the indicator status of the operating voltage (version D)
Safety features:	Varistors and transil diodes
Connector:	37-pin SUB-D female connector
Dimensions of the printed circuit:	(L x W x H) 130 x 70 x 35 mm
Dimensions with housing:	(L x W x H) 132 x 87 x 70 mm
Temperature range:	0-70°C

Example
Connection of a digital input board through screw terminal board PX 901-DG

PX 901-DG

ST010 / ST011

PA 1000

SUB-D female connector

SUB-D male connector