



## LKP-DPT

### Profibus Active Terminator

- Support Profibus/MPI/PPI
- IP20 protection, 35mm DIN-Rail
- Support 24V DC power supply
- Support 0 - 12MBit/s, rate auto-adaption, no delay
- Can replace Siemens 6ES7 972-0DA00-0AA0


### Introduction


LKP-DPT is active profibus terminator designed for Profibus network. It can replace Siemens 6ES7 972-0DA00-0AA0.

The head and tail of Profibus network is called terminal, in order to restrain the signal reflection and distortion, terminal cable shall be connected to the terminal A and terminal B, Profibus connector must be switched to "ON" of terminal resistor of profibus connector, so the terminal interface is accessed a terminal resistor. Due to the power of Profibus connector is provided by the terminal equipment, if the terminal equipment is out of power, then the fieldbus will lose the terminal resistance function, and affect the normal communication of the whole Profibus network.

After Profibus network terminal is added active terminal resistor, which can maintain the Profibus voltage at the standard level. So in the Profibus network, any one station is disconnected from the network will not cause network failures, power outages of any segment of the network will not affect the other segment of the communication network. So any terminal which perhaps is out of power should use active terminator to ensure the active terminatl resistors without power cut.

### Usage Method

The equipment support +24V power supply mode, L+ is the positive input terminal of power. M is negative input terminal of power.  is chassis ground terminal. Profibus terminal is connected with profibus connector, and switch to "OFF" of terminal resistor of profibus connector, then connect signal wire with the terminal A and terminal B of active profibus terminator. Pins are defined as follows:

Symbol Name	L+	M		A	B
Description	Power +	Power -	Case ground terminal	Signal wire +	Signal wire -



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### Specification

#### Electrical interface

Interface type: Screw type terminal

Data rate: 0 - 12MBit/s, rate auto-adaption, no delay, support Profibus/MPI/PPI

#### Power and Protection

Input Voltage:DC24V $\pm$ 10%, LED indicator

Input Current:8mA@24V

Voltage protection: offer L1+/M/L2+ reverse connect protection and Surge protection

#### Environmental

Operating Temperature: -40 to 85°C

Ambient Relative Humidity: 5 to 95%

Storage Temperature: -40°C to 85°C

#### Mechanical

Dimensions:65mm $\times$ 51mm $\times$ 26mm (H $\times$ W $\times$ D)

Casing: IP20 protection, Aluminum metal case with high strength

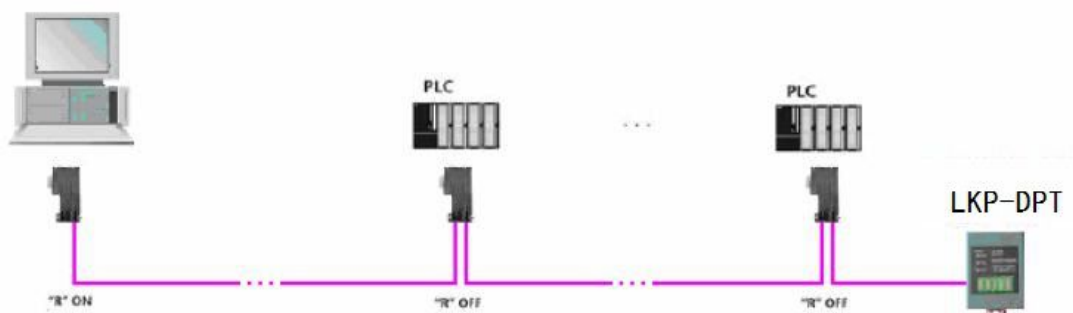
Installation: 35mm DIN-Rail

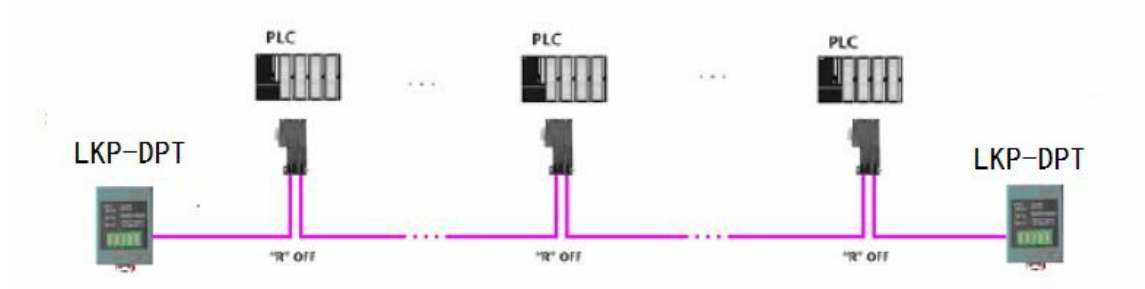
Weight :40g

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### Topological structure

Terminator in one side:



**Terminator in two sides:****Order Information**

Model	Specifications	unit
LKP-DPT	Active PROFIBUS terminator, Data rate: 0 - 12MBit/s, rate auto-adaption, Input Voltage:DC24V,	pcs