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EIB devices are protected internally against overvoltage impulses up to 2 kV (1.2/50). The overvoltage protector is used to protect them beyond this level. It takes the form of a one-part blue bus terminal with three fixed core wires.

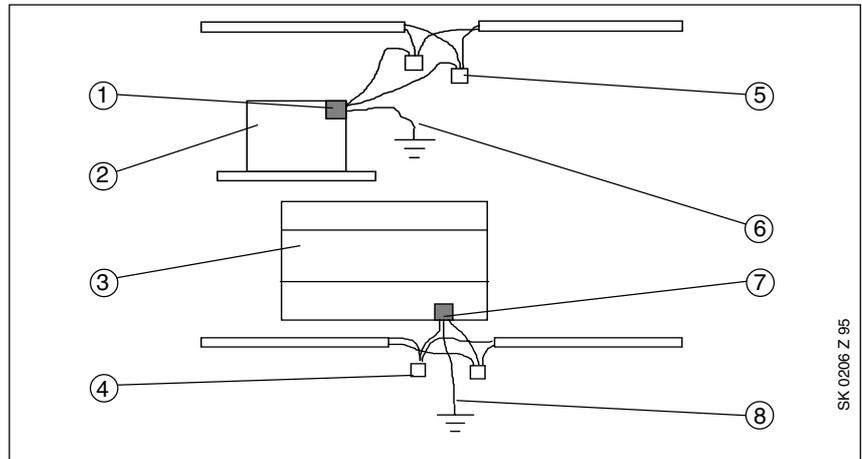
To install the overvoltage protector, the blue bus terminal is inserted in place of the usual bus terminal. The red and the black core wires are connected to the bus cable and the green/yellow wires are connected to the nearest earthing point (e.g. protective conductor). In the distribution board, the overvoltage protector can also be connected via a data rail connector.

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**Technical Data**

<b>Power supply</b>	- Rated voltage	24 VDC
	- Rated current	6 A
	- Rated discharge current	5 kA
	- Protection level	350 V
<b>Connections</b>	- EIB	2 cables Ø 0.8 mm solid
	- Bus devices	Socket contact Ø 1mm
	- Earth connection	1 cable 0.75 mm <sup>2</sup>
<b>Ambient temperature range</b>	- Operation	- 5 °C ... 45 °C
<b>Mounting</b>	- clipped onto the pins of the bus device	
<b>Dimensions</b>	- 10.5 x 11.6 x 11.1 mm (H x W x D)	
<b>Weight</b>	- 0.01 kg	
<b>Certification</b>	- EIB-certified	
<b>CE norm</b>	- in accordance with the EMC guideline and the low voltage guideline	

Wiring diagram



- |                                |                           |
|--------------------------------|---------------------------|
| 1 Surge Arrester               | 5 Bus connection terminal |
| 2 Bus coupler                  | 6 Nearest earthing point  |
| 3 Modular installation devices | 7 Overvoltage protector   |
| 4 Bus connection terminal      | 8 Nearest earthing point  |