

**Description**

The power converter AD-SV 1224 GL is for increasing an available low supply voltage to a substantially higher value. An upward regulation switching with a high degree of sufficiency enables the operation of electric measuring converters, which demand a supply voltage of at least 20 V DC. An electric over current protection switches the device securely off during a short circuit at the output. To reset this fuse, a brief voltage separation at the input is necessary.

**Application**

A mains supply is not always available at all installation sites. In such cases, one resorts to battery voltages with 12V DC, which are also possibly charged by solar energy. Almost all devices of the AD-device family work from a supply voltage of 20 V DC upwards and therefore can also be operated in remote areas. This also enables operation in vehicles with 12V board voltage.

**Specific characteristics**

- Increasing a voltage supply to a level required for operating a device.
- It is not essential that the earth lead for the load is acquired from the AD-SV 1224 GL. The earth connection can also be carried out directly at the feeding voltage source.
- Electronic overload protection with reverting characteristic and manual hold.

**Business data**

Order number AD-SV 1224 GL

**Technical specifications****Input**

Input voltage range 11 ... 15 V DC

**Output**

Output voltage range 20 ... 30 V DC  
Max. load 5 W

**Housing**

Dimensions (WxHxD) 18 x 78 x 103 mm  
Type of protection IP 20  
Connection method Schraubklemmen  
Terminals, wire cross section 2,5 mm<sup>2</sup> Litze / 4 mm<sup>2</sup> Draht  
Bolting torque terminals 0,5 Nm  
Weight ~ 100 g  
Manner of fastening 35 mm Normschiene

**Environmental conditions**

Ambient temperature 0 ... 50 °C  
Storage and transport -10 ... 70 °C (Betaung vermeiden)

**EMC**

Product family standard EN 61326  
Emitted interference EN 55011, CISPR11 Cl. B

**Electrical safety requirements**

Product family standard EN 61010-1  
Overvoltage category II  
Pollution degree 2

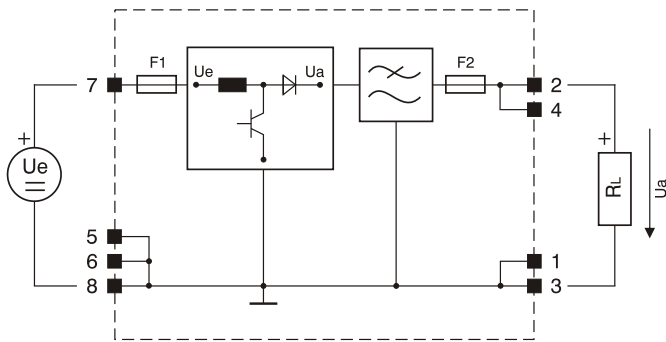
**Galvanic isolation**

Input/output KEINE Trennung! Durchgehende Masseleitung.

**Protection circuits**

Input Schutz gegen Überspannung, Überstrom  
Output Schutz gegen Überspannung, Überstrom

### Block and wiring diagram



### Dimensions

