

### Description:

- Reverse polarity protection – Input / Output
- Thermal overload protection
- Overload protection
- Surge protection in the vehicle's on-board network
- Input reverse polarity protection

Small compact design:

Output filter – filters output voltage



Modern DC voltage converter is designed to power appliances with power supply 5V max 30mA. The advantage of this converter is a very small heat loss radiated to the surroundings. The inverter is connected to the 24V on-board network and is protected against short-circuit over voltage in the on-board network.

### Limit parameters:

Symbol	Parameter	Size	Value
U <sub>i</sub>	Input voltage <sup>1)</sup>	15 - 35	V
U <sub>o</sub>	Output voltage	4,8-5,2	V
I <sub>out</sub>	Max. output current	30	mA
P <sub>tot</sub>	Max. loss performance	0,5	W
θ <sub>a</sub>	Range of operating temperatures <sup>2)</sup>	-40 do +125	°C

1) Resistance to short-time overvoltage max.300V ,t = 1ms

2) Operation beyond a given range of ambient temperature is not guaranteed

### Description of the connection:

