



## DC / DC Power Supplies 19 V DC Output

type numbers: 00122 | 00906



type number  
00122



type number  
00906

### Main Feature:

This family of DC / DC power supplies is designed for automotive applications to be used under harsh environmental conditions. It operates as buck converter at a frequency of 80 kHz.

### General features:

Input according to:	VG 96916 -5
Safety according to:	EN 60950-1
Isolation Voltage:	200 V DC In-Out
Isolation resistance:	10 <sup>7</sup> Ω
Dimensions:	175 x 113 x 58 mm (W x D x H)
Weight:	approx. 1 kg

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Ask for further technical information!  
Functional or interface modifications can be realized on request. Each configuration change causes a new type number.

### Technical Data:

Input voltage:	16.0 V DC to 34.0 V DC
Consumption:	0.02 A to 3.0 A at 24 V DC
Output voltage:	19.0 V DC ± 0.2 V DC indicated by LED on top
Output current:	max. 4.2 A
Connector in / out:	SJT / SJT
Efficiency:	typ. > 83 % at 24 V DC
Protected against:	<ul style="list-style-type: none"> <li>■ input reverse polarity</li> <li>■ over voltage</li> <li>■ short-circuit</li> <li>■ no-load</li> </ul>
Ripple & noise:	< 20 mV RMS at 20 MHz

### Environmental Conditions:

Protection:	IP 65 (EN 60529)
EMC: VG 95373:	LA01; SA02; SA04; LF01; LF02; LF03; LF05; SF03; SF01
MIL-STD 461E:	CE102; CS101; CS114; CS115; CS116; RE101; RE102; RS101; RS 103

### Conditions according to MIL-STD-810F:

Temperature:	-40 °C to +85 °C (operating) -46 °C to +90 °C (storage)
Temp. shock:	-40 °C to +70 °C (ΔT < 1 min)
Humidity:	up to 95 % rel.
Low pressure (altitude):	up to 4500 m operating
Vibration:	1.5 g, 60 Hz to 400 Hz 1.0 g, 400 Hz to 2000 Hz
Shock :	10 g, 6 ms (operating)

### Option:

Output: 24 V DC / 4.0 A