



DC/DC CONVERTER

- Wide Range DC Input (18-32.4Vdc)
- Isolated 12Vdc Output
- Efficiency up to 88.2%
- Width only 32mm
- 20% Output Power Reserves
- Full Output Power Between -25°C and +60°C
- Soft Start Function Included
- Minimal Inrush Current Surge
- Reverse Input Polarity Protection
- 3 Year Warranty

1. GENERAL DESCRIPTION

The Dimension CD5-Series offers a range of DIN-rail mountable DC/DC-converters in a very compact housing.

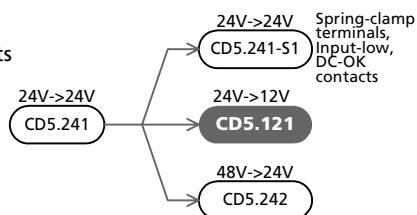
The CD5.121 converts a 24V voltage to a 12V voltage. With this DC/DC converter a 12V load can be supplied in a 24V control environment. The input source can be a battery, a solar panel or any other 24V sources.

The CD5.121 includes all the essential basic functions and has a power reserve of 20% included. This extra power can be used continuously up to +45°C.

The output is electrically isolated from the input in a safe way. The input is protected against reversed voltages and contains a soft start function.

CD-Series

Related products



2. SHORT-FORM DATA

Output voltage	DC 12V	
Adjustment range	12 – 15V	
Output current	8– 6.4A	Ambient <60°C
	9.6 – 7.7A	Ambient <45°C
Output power	96W	Ambient <60°C
	115W	Ambient <45°C
Output ripple	< 75mVpp	20Hz to 20MHz
Input voltage	DC 24V	18 to 32.4Vdc (14 to 18Vdc with derating)
Input current	typ. 4.6A	At 24Vdc input
Input Inrush current	typ. 1.2A peak	
Efficiency	typ. 88.2%	At 24Vdc input
Losses	typ. 12.8W	At 24Vdc input
Hold-up time	typ. 7ms	At 24Vdc input
Temperature range	-25°C to +70°C	Operational
Derating	2.5W/°C	+60 to +70°C
Dimensions	32x124x102mm	WxHxD

3. ORDER NUMBERS

DC/DC Converter	CD5.121	Standard unit
Accessories	ZM1.WALL ZM11.SIDE YR2.DIODE	Wall mount bracket Side mount bracket Decoupling module

4. MARKINGS

