



DC/DC CONVERTER

- 24V DC-Input
- Isolated 12Vdc Output
- Efficiency up to 88.2%
- Width only 32mm
- 20% Output Power Reserves
- Full Power Between -25°C and +60°C
- Soft-start Function Included
- Minimal Inrush Current Surge
- Reverse Input Polarity Protection
- 3 Year Warranty

GENERAL DESCRIPTION

The Dimension CD-Series offer DIN-rail DC/DC converters in the 92-120W output power range in a very compact housing. These DC/DC converters are allowed to run with a battery or similar sources.

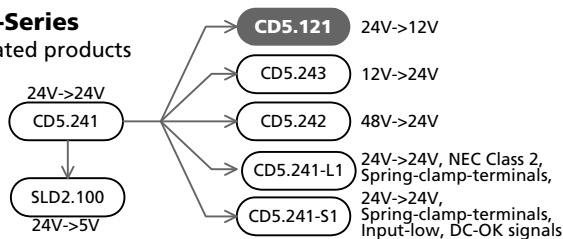
The CD5.121 converts a 24V voltage to a 12V voltage.

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



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	
Input voltage range	18 to 32.4Vdc	full specified
	14,4 to 18Vdc	with derating
Input current	typ. 4.6A	at 24Vdc input
Input inrush current	typ. 1.2A peak	
Efficiency	88.2%	at 24Vdc input
Losses	12.8W	at 24Vdc input
Temperature range	-25°C to +70°C	operational
Derating	2.5W/°C	+60 to +70°C
Hold-up time	typ. 7ms	at 24Vdc input
Dimensions	32x124x102mm	WxHxD
Weight	425g / 0.94lb	

ORDER NUMBERS

DC/DC Converter	CD5.121	Standard unit
Accessory	ZM1.WALL	Wall mount bracket
	ZM11.SIDE	Side mount bracket

MARKINGS

