



### DC/DC CONVERTER

- 12V DC-Input
- Isolated 24Vdc Output
- Efficiency up to 87.7%
- 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.

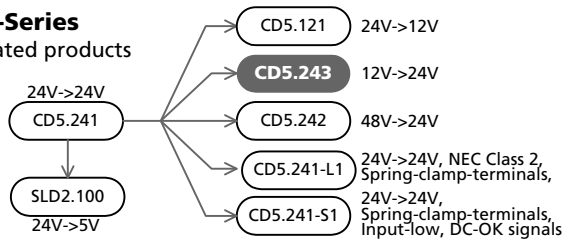
The CD5.243 converts a 12V voltage to a 24V voltage.

The CD5.243 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 24V	
Adjustment range	24 - 28V	*)
Output current	4.0 - 3.4A	ambient <60°C
	4.8 - 4.1A	ambient <45°C
Output power	96W	ambient <60°C
	116W	ambient <45°C
Output ripple	< 50mVpp	20Hz to 20MHz
Input voltage	DC 12V	
Input voltage range	10.8 to 16.2Vdc	full specified
	8.4 to 10.8Vdc	with derating
Input current	typ. 9.2A	at 12Vdc input
Input inrush current	typ. 1.0A peak	
Efficiency	87.7%	at 12Vdc input
Losses	13.5W	at 12Vdc input
Temperature range	-25°C to +70°C	operational
Derating	2.5W/°C	+60 to +70°C
Hold-up time	typ. 3ms	at 12Vdc input
Dimensions	32x124x102mm	WxHxD
Weight	435g / 0.96lb	

\*) extended guaranteed adjustment range down to 23V.

### ORDER NUMBERS

DC/DC Converter	<b>CD5.243</b>	Standard unit
Accessory	ZM1.WALL	Wall mount bracket
	ZM11.SIDE	Side mount bracket
	YRM2.DIODE	Redundancy module

### MARKINGS

