



DC/DC CONVERTER

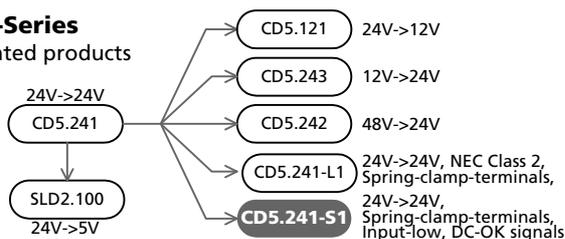
- 24V DC Input
- Quick-connect Spring-clamp Connection Terminals
- Isolated 24Vdc Output
- Efficiency up to 90.2%
- Width only 32mm
- 20% Output Power Reserves
- Full Power Between -25°C and +60°C
- Soft-start Function Included
- Minimal Inrush Current Surge
- Reverse Input Polarity Protection
- DC-OK and Input-low Relay Contact
- 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 or can also be used to refresh and stabilize the 24Vdc on the end of long cable runs. The basic units include all the essential basic functions while the -S1 version is equipped with quick-connect spring clamp terminals, a DC-OK-contact which monitors the output and an input-low-relay-contact. The -L1 version additionally fulfills the NEC Class 2 requirements. All devices except the CD5.241-L1 have a PowerBoost of 20% incorporated. This extra power can even be used continuously up to +45°C.

CD-Series

Related products



SHORT-FORM DATA

Output voltage	DC 24V	
Adjustment range	23 - 28V	
Output current	5 - 4.3A	ambient <60°C
	6 - 5.2A	ambient <45°C
Output power	120W	ambient <60°C
	144W	ambient <45°C
Output ripple	< 50mVpp	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. 5.5A	at 24Vdc input
Input inrush current	typ. 1.2A peak	
Efficiency	90.2%	at 24Vdc input
Losses	13.3W	at 24Vdc input
Temperature range	-25°C to +70°C	operational
Derating	3W/°C	+60 to +70°C
Hold-up time	typ. 6ms	at 24Vdc input
Dimensions	32x124x102mm	WxHxD

ORDER NUMBERS

DC/DC Converter	CD5.241-S1	Standard unit
Accessory	ZM1.WALL	Wall mount bracket
	ZM11.SIDE	Side mount bracket
	YR2.DIODE	Redundancy module

MARKINGS

