

Step-down converter DC/DC

SDC 60/30-12



Picture shows SDC 60/15-20

Advantages

Adjustable output voltage
Adjustable current limiting
Stand-by operation
Compensation of voltage drops across output lines
Short circuit proof
Parallel connection option
Vibration proof

Applications

Step-down converter for low-loss generating output voltages that are lower than the input voltage.

Approvals



Step-down converter DC/DC SDC 60/30-12

Type		Type	
Electrical data	Input	SDC 60/30-12	
	Input rated voltage	10 - 60 Vdc	
	Output		
	Output rated voltage	4.5 - 30 Vdc	
	Output rated current	0 - 12 A	
	Tolerance	<3 %	
	Efficiency	typ. 75 %	
	Load regulation	<2 %	
	Ripple factor	150 mVpp	
	Switching frequency	25 kHz	
	Temperature drift	3 mV/°C	
	Input / Output difference	3.5 Vdc (Uin > 15 Vdc) / 5 Vdc (Uin < 15 Vdc)	
	Output limited current	17 A ± 10 %	
	Environment		
	Ambient temperature	0° C to +50° C	
	Storage temperature	-20 °C to +85 °C	
	Heat sink temperature	max. 80 °C	
	Relative humidity	5 to 80 % RH	
	Order numbers		
Order Number		SDC 60/30-12	
Mechanical data	Measures and weights		
	Dimensions W x H x D	127 x 51 x 137 mm	
	Weight	0.40 kg	

Subjects to change.