



Product description

Product type	REVCAN Boost converter module RSU		
Product specification	Boost chopper for generation of an high and controlled output voltage from a lower input voltage.		
Version	U	Voltage controlled	2
	I	Current controlled	3
Voltage	A	$U_{On}=0-460VAC$; $U_{OFF,Max}=800VDC$	
	B	$U_{On}=0-690VAC$; $U_{OFF,Max}=1200VDC$	
	C	$U_{On}=0-650VDC$; $U_{OFF,Max}=800VDC$	
	D	$U_{On}=0-975VDC$; $U_{OFF,Max}=1200VDC$	
	E	$U_{On}=0-460VAC$ (12 Pulse); $U_{OFF,Max}=800VDC$	
	F	$U_{On}=0-690VAC$ (12 Pulse); $U_{OFF,Max}=1200VDC$	
	G	$U_{On}=0-460VAC$ (18 Pulse); $U_{OFF,Max}=800VDC$	
	H	$U_{On}=0-690VAC$ (18 Pulse); $U_{OFF,Max}=1200VDC$	
Input voltage	Variable		
Output voltage	Variable		
Regulation	0-10V Setpoint		
Maximal current	15/30/50/75/100/150/200/250/300A		
Mains frequency	50/60Hz± 10% (other frequencies on request)		
Cos phi	1 (100% of the nominal current)		
Duty cycle ED	100%		

Data

Max. dynamic overload (4s)	120%
Efficiency	>98,0%
Electrical connection fan	L/N terminals (from configuration 2/700)
Standards and permission	Low voltage directive 2006/95/EG EMC directive 2004/108/EG EN 60529 Degrees of protection provided by enclosures (IP code) EG- directive Machinery 2006/42/EG

Operating conditions

Degrees of protection IP code	IP 20
Humidity load	Humidity class F without condensation 5.....85% - class 3K3
Valid Temperature range at operation	5...40°C without power reduction <40°C.....55°C with power reduction 3% pro °C
Valid Temperature range at storage / transport	- 25°C...+70°C Transport -25°C...+55°C Storage
Altitude of site	1000m without power reduction > 1000m...4000m with power reduction 5% pro 1000m

Component part

Option	Set of fuses
Specification	Fuse holder with set of fuses for the mains side fuse protection.
Option	IL (Isolation lacquer)
Specification	To protect the electronic components of the power feedback unit from pollution of the cooling air, all printed circuit boards may be coated with an isolating lacquer.
Option	Overvoltage suppressor
Specification	If the power feedback unit (as well as a controller) is connected to ungrounded mains supply, it must only run if it is connected via an isolating transformer or if the plant is protected by overvoltage suppressors.