

Product data sheet

Product type

REVCON DC(S)

Power feed and feedback module REVCON DC(S)



Product description

Product type	Power feed and feedback module REVCON DC(S)	
Product specification	Power feed/feedback unit REVCON with IGBT power components for safe and high efficient usage of the braking energy of speed controlled three phase motor with additional rectifier for the supply of one or more controllers via one common DC-bus. By using an external commutation choke an extreme compact enclosure is possible.	
Version	With precharge circuit	DC(S)V
	Without precharge circuit	DC(S)
[P _N] Nominal Power	13-135kW	
[U _N] Nominal voltage	400V/460V/500V	
[F _N] Mains frequency	40-60Hz	
Cos phi	1 (100% of the nominal current)	

Data

Number of phases	3-phase
Mains voltage and frequency	U _N +10%/-15% F _N +/-10%
Max. dynamic overload (4s)	120%
Efficiency	>98,0%
Duty cycle ED	100%
Electrical connection AC	L1/L2/L3 terminals
Electrical connection DC	+/- terminals
Electrical connection fan	L/N terminals (from configuration 2/700)
Standards and permission	Low voltage directive 2006/95/EG EMC directive EN 61000-3-4 EMC directive 2004/108/EG EMC directive EN 61000-3-2:2010-3 EMC directive EN 61000-3-12:2005-9 EN 60529 Degrees of protection provided by enclosures (IP code) EG- directive Machinery 2006/42/EG Power Conversion Equipment - UL 508C (DC(S) 460V) Industrial Control Equipment - CSA-C22.2 No. 14 (DC(S) 460V)

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	Mains- respectively commutation choke
Specification	Connected mains choke (commutation choke)
Option	RFI-Filter
Specification	3-phase RFI-filter for the safe and high efficient use of REVCON DC(S) power feed and feedback modules.
Standards and permission (operation with DC(S))	EMC directive 2004/108/EG EN 61000-6-2:8/2005 EN 61000-6-3: 1/2007 EN 61000-3-3: 9/2008 EN 60529 Degrees of protection provided by enclosures (IP code)
Option	Fuse holder
Specification	Fuse holder with 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.
Option	External operating and signalling panel
Specification	When mounting the device inside a cabinet it is possible to mount an operator panel in the door of the cabinet by using the external operating and signalling panel.