

## ND11 transistor servo amplifier

### Technical specifications

Parameters	Unit	-615	-625
Rated supply voltage	VAC	42	42
Connected load at rated current	kVA	0,75	1,25
Protection	A inertial	16	30
Storage temperature	°C	-25 to +70	-25 to +70
Maximum humidity	%	95	95
Operating temperature	°C	0 to 55	0 to 55
Relative humidity	%	5-85	5-85
Altitude above sea level	At altitudes higher than 1000 m above sea level, a decrease in performance must be expected		
Braking circuit protection	A inertial	2,5	2,5
DC link voltage	V	60	60
Rated output current (at 25 °C)	A	15	25
Peak output current (5 sec.)	A	30	50
Overvoltage turn-off threshold	V	85	85
Undervoltage turn-off threshold	V	24	24
Braking circuit turn-on threshold	V	75	75
Braking circuit pulse power	KVA	1,1	1,1
Braking circuit continuous power dissipation	W	51	51
Input 1, range 0,2 ... 1,0	V	+/- 10	+/- 10
Input 2, range 0,2 ... 1,0	V	+/- 10	+/- 10
Input resistance (both inputs)	kOhm	20	20
Maximum input drift (both inputs)	µ V/K	15	15
Output current form factor		1,01	1,01
Current controller bandwidth	kHz	1	1
Modulator clock frequency	kHz	10	10
Clock frequency at motor	kHz	20	20
Auxiliary voltage outputs	V	+/- 15 / 50 mA	+/- 15 / 50 mA
Maximum operating voltage at rated current	V	50	50
Power dissipation, controller switched off	W	12	12
Power dissipation at rated current	W	50	80
Quiescent current	mA	120	120
Ready-to-operate relay			
- switching voltage DC / AC	V	100 / 100	100 / 100
- switching capacity W / (VA)		20 / (10)	20 / (10)
Weight	kg	0,845	0,845
Dimensions	mm	220 x 100 x 12 TE	220 x 100 x 12 TE