

## ND11 transistor servo amplifier

### Technical specifications

Parameters	Unit	-1512	-1520
Rated supply voltage	VAC	106	106
Connected load at rated current	kVA	1,4	1,4
Protection	A inertial	20	20
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	3,15	5
DC link voltage	V	150	150
Rated output current (at 25 °C)	A	12	22
Peak output current (5 sec.)	A	24	40
Overvoltage turn-off threshold	V	185	185
Undervoltage turn-off threshold	V	24	24
Braking circuit turn-on threshold	V	170	170
Braking circuit pulse power	KVA	5,8	5,8
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	120	120
Power dissipation, controller switched off	W	12	12
Power dissipation at rated current	W	50	95
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