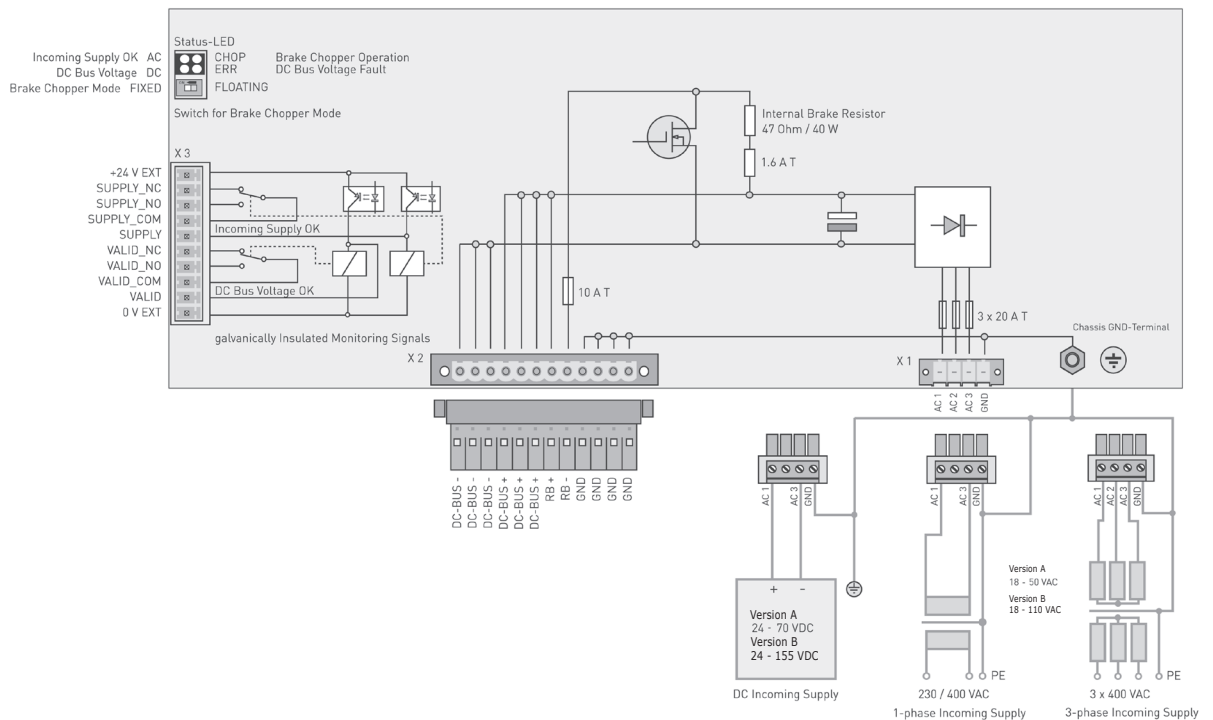




- Power supply unit for one or several servo amplifiers
- Maximum output power 3.1 kW
- Internal brake chopper with 40 W continuous power
- Option to connect external ballast resistor up to 2.5 kW
- Version A for max. 70 V DC link voltage
- Version B for max. 155 V DC link voltage
- 3-phase, 1-phase (each with transformer) or DC supply
- Selector switch for floating or fixed chopper voltage threshold
- Optically decoupled monitoring signals and relay contacts for supply and DC link voltage
- Compact unit in metal case

Order designation	Input voltage	Output voltage	Max. output power (with 3-phase power supply)
ECOBRAx 200-AA-000	18...50 V <sub>AC</sub>	24...70 V <sub>DC</sub>	1400 W
ECOBRAx 200-BA-000	18...110 V <sub>AC</sub>	24...155 V <sub>DC</sub>	3100 W

➔ Circuit diagram



## → Technical Data

	Version A	Version B
AC supply voltage	18...50 V <sub>RMS</sub>	18...110 V <sub>RMS</sub>
Frequency AC supply	47...63 Hz	
DC supply voltage	24...70 V	24...155V
Supply fuse	20 A (3 pieces 6.3 x 32 mm / slow-acting)	
DC link voltage (U <sub>z</sub> )	24...70 V	24...155 V
DC continuous output current (1-phase supply)	max. 10 A (20 A peak)	
DC continuous output current (3-phase supply)	max. 20 A (40 A peak)	
Continuous output power (1-phase supply)	max. 700 W	max. 1550 W
Continuous output power (3-phase supply)	max. 1400 W	max. 3100 W
Chopper voltage, fixed	85 V ± 2 V	175 V ± 3 V
Chopper voltage, floating	U <sub>z</sub> + 10 V ...15 V	
Internal ballast resistor	47 Ohm	
Continuous power of internal ballast resistor	max. 40 W	
Peak power of internal ballast resistor	150 W	650 W
Fuse of internal ballast resistor	1.6 A (6.3 x 32 mm / slow- acting)	
Lowest value of external ballast resistor	10 Ohm	
Fuse of external ballast resistor	10 A (6.3 x 32 mm / slow-acting)	
Supply voltage for monitoring functions (not applicable, if not used)	18 .. 30 V <sub>DC</sub>	
Output "Readiness DC link voltage"	8 V < U <sub>z</sub> < 80 V	80 V < U <sub>z</sub> < 170 V
Output "Readiness supply voltage"	> 15 V <sub>eff</sub>	
Transistor output rating	max. 5 mA	
Relay output rating (with inductive load, a protecting diode or similar component is required)	1 A at 24 V <sub>DC</sub>	
Weight	1.62 kg	
Protection class	IP 20	
Ambient temperature	0°C .. 40°C	
Storage temperature	-40°C .. 70°C	
Air humidity	10% .. 90%, non condensing	
Cooling	convection	
Installation conditions with maximum load	vertical position 100 mm space above and below 50 mm space laterally	

