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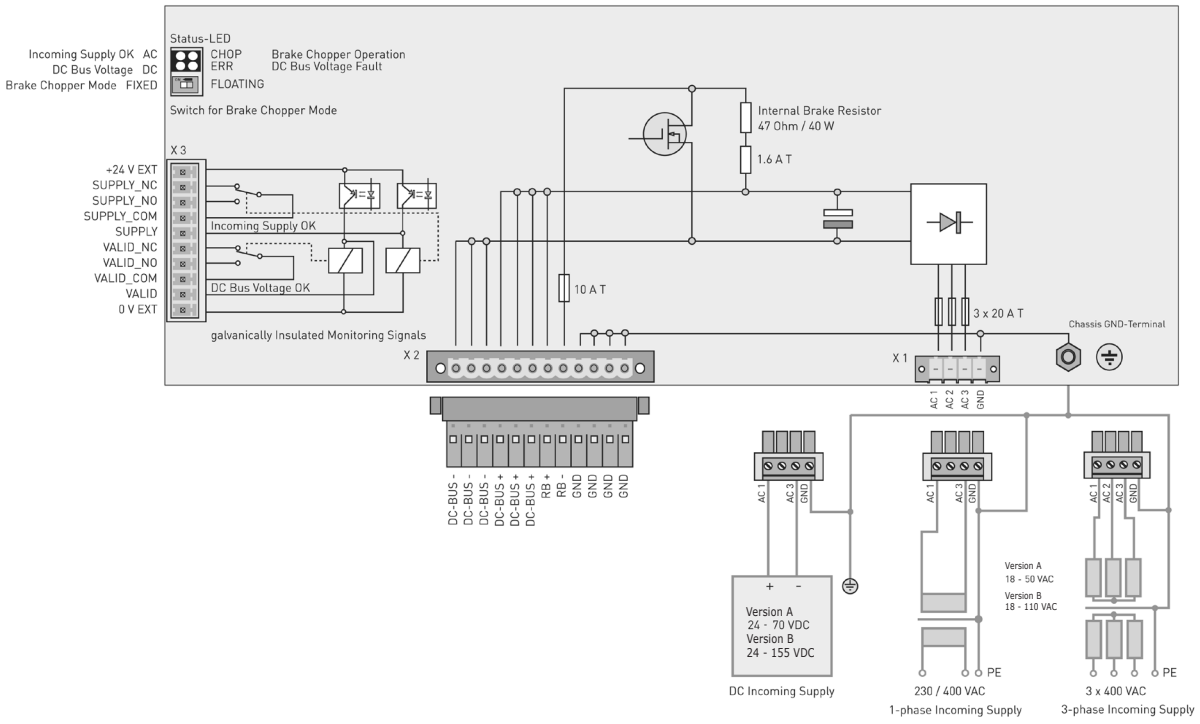
Find the *Jenaer ECOBRAX 200* at our website: ***Click HERE***



- 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
- Automatic unloading of the intermediate circuit voltage with a floating chopper voltage threshold
- Optically decoupled monitoring signals and relay contacts for supply and DC link voltage
- Compact unit in metal case

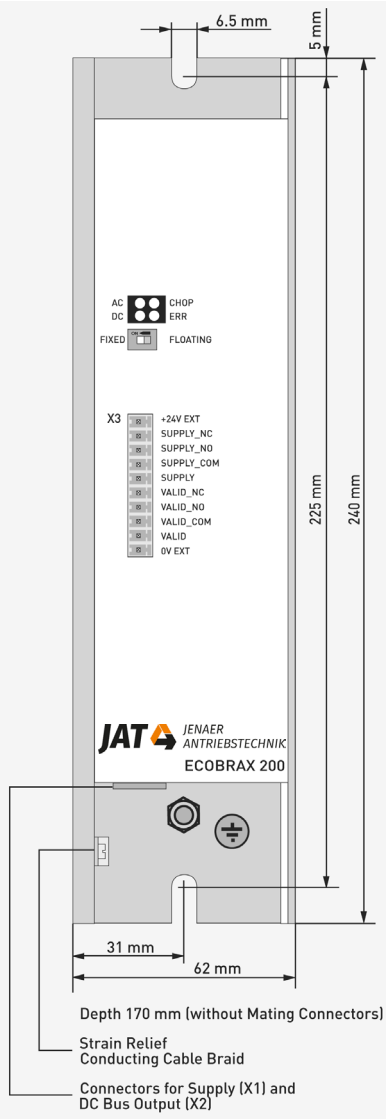
| Order designation | Input voltage | Output voltage | Max. output power (with 3-phase power supply) |
|---|---|---|---|
| ECOBRAX 200-AA-000 | 18...50 $V_{AC}$ | 24...70 $V_{DC}$ | 1400 W |
| ECOBRAX-200-BA-000 | 18...110 $V_{AC}$ | 24...155 $V_{DC}$ | 3100 W |

## Circuit diagramm



## Technical Data

| | Version A | Version B |
|---|---|---|
| AC supply voltage | 18...50 $V_{RMS}$ | 18...110 $V_{RMS}$ |
| Frequency AC supply | 47...63 Hz | |
| DC supply voltage | 24...70 V | 24...155V |
| Supply fuse | 20 A<br>(3 pieces 6.3 x 32 mm / slow-acting) | |
| DC link voltage ($U_Z$) | 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 | $U_Z$ + 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<br>( 6.3 x 32 mm / slow- acting) | |
| Lowest value of external ballast resistor | 10 Ohm | |
| Fuse of external ballast resistor | 10 A<br>( 6.3 x 32 mm / slow-acting) | |
| Supply voltage for monitoring functions<br>(not applicable, if not used) | 18 .. 30 $V_{DC}$ | |
| Output "Readiness DC link voltage" | 16 V < $U_Z$ < 80 V | 16 V < $U_Z$ < 170 V |
| Output "Readiness supply voltage" | > 15 $V_{eff}$ | |
| Transistor output rating | max. 5 mA | |
| Relay output rating<br>(with inductive load, a protecting diode or similar component is required) | 1 A at 24 $V_{DC}$ | |
| 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<br>100 mm space above and below<br>50 mm space laterally | |





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