



## AX8620 | Power supply module 20 A

A power supply module generates the DC-Link voltage (DC) for the power supply of the axis modules and the option modules from the mains voltage. It already contains a mains filter, for which the drive is tested and certified in accordance with EN 61800-3 for Category C3 use.

Any regenerative energy produced, e.g. through strong braking of the motors, can be converted into heat either via the internal brake resistor or via the combination of built-in brake chopper and external brake resistor. Alternatively, the energy can be buffered in the AX8810 capacitor module.

AX8000 power supply modules can be used on 1- or 3-phase low-voltage mains supplies.

- 1-phase mains supplies 100...240 V AC, 50/60 Hz
- 3-phase mains supplies 200...480 V AC, 50/60 Hz

A separate 24 V DC power supply is required in each case.

| Technical data                  | AX8620-0000-0000  |
|---------------------------------|---|
| Function                        | power supply module   |
| Rated supply voltage            | 1 x 100...240 V AC<br>3 x 200...480 V AC                              |
| Rated input current             | 1~: 10.0 A AC<br>3~: 17.5 A AC  |
| DC-Link output current          | 1~: 5 A DC without mains choke/7 A DC with mains choke<br>3~: 20 A DC |
| DC-Link voltage                 | max. 875 V DC   |
| DC-Link capacitance             | 405 µF  |
| Rated output                    | 1~: 2.0 kW<br>3~: 10.7 kW   |
| Power loss                      | 8 W + 6 W/kW  |
| System bus                      | EtherCAT  |
| Drive profile                   | CiA402 according to IEC 61800-7-201 (CoE)                             |
| Protection class                | IP 20   |
| Ambient temperature (operation) | 0...+40 °C  |
| Approvals/markings              | CE, cULus, EAC  |