AMP8620: IP 65 supply module expands the AMP8000 distributed Servo Drive system

Drive technology without control cabinets through consistent decentralization

The AMP8000 distributed Servo Drive system provides ideal support for the implementation of modular machine concepts. With the new AMP8620 supply module in a high protection rating, the entire system can now be relocated directly to the machine, i.e. through consistent decentralization, drive technology can be implemented entirely without control cabinets. That means maximum possible savings on material, space, costs and assembly work.

While with the coupling modules, the requirements for connecting distributed AMP8000 drives to the control cabinet were already reduced to just one cable, they can now be completely eliminated when the AMP8620 supply module is used. Eliminating the need for a control cabinet further reduces the floor space and cabling requirements for the entire machine. The air conditioning resources, which would otherwise be necessary for control cabinet cooling, can also be eliminated.

The AMP8620 module is directly connected to the mains supply. It contains all circuitry components required for that purpose, such as mains filters, rectifiers and charging circuits for the integrated DC link capacitors. The supply module enables optional connection of additional distribution modules or distributed AMP8000 Servo Drives. It is equipped with two EtherCAT P outputs, through which either EtherCAT P modules can be supplied or else additional supply modules can be connected that may be required for system expansion. The safe 24 V power supply unit integrated in the supply module ensures that the logic power supply does not exceed the permissible level. The DC link capacitors integrated in the supply module store the regenerative energy of the entire system and then make it available again for acceleration processes. This ensures best-possible utilisation of the energy supplied.

Further information:
www.beckhoff.com/amp8620

Product announcement
Estimated market release:
3rd Quarter 2019