



i AMP80xx | Distributed Servo Drive

The AMP8000 can be installed in place of a standard AM8000 or AM8500 series servomotor without having to modify the machine design since only the overall length was increased, and all other dimensions remain the same. The use of the latest power output stage technology delivers minimal derating. The achievable technical specifications are almost equal to the comparable standard motor.

| Technical data | |
|--------------------|---|
| Motor type | permanent magnet-excited three-phase synchronous motor with integrated servo drive |
| Magnet material | neodymium-iron-boron |
| Insulation class | thermal class F (155 °C) |
| Design form | flange-mounted according to IM B5, IM V1, IM V3 |
| Protection class | IP 54, IP 65 (shaft seal) |
| Cooling | convection, permissible ambient temperature 40 °C, optionally: external axial ventilation |
| Coating/surface | dark grey powder coating, similar to RAL7016 |
| Temperature sensor | integrated in stator winding |
| Connection method | round plug connector, swivelling, angled |
| Approvals | CE, UL in preparation |
| Feedback system | absolute encoder single-turn and multi-turn (OCT) |

| Options | AMP80xx |
|--------------------------------|---|
| Feather key groove | according to DIN 6885 P1 |
| Holding brake backlash-free | permanent magnet single-surface brake, suitable only as holding brake |
| Shaft seal | radial shaft seal made of FPM |
| Feedback system option | absolute encoder multi-turn |
| TwinSAFE safe drive technology | STO, SS1, SS2, SOS, SLS, SDI (in preparation) |

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| i Product announcement | estimated market release 1st quarter 2019 |
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