



For a better tomorrow.



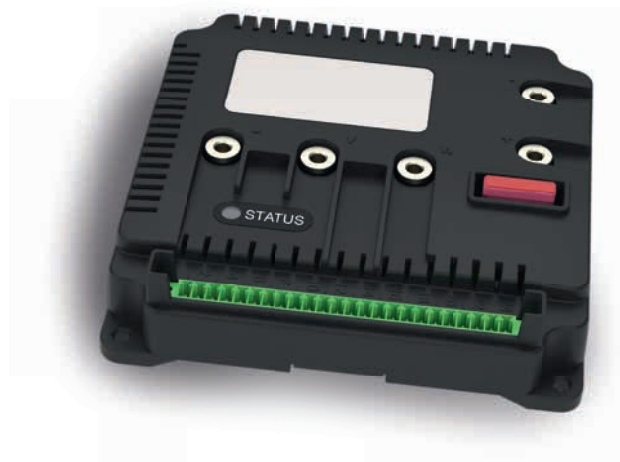
POWER ELECTRONICS

Drive controller SMC

The Single Motion Control (SMC) is a 1-axis drive controller. It offers a large number of I/Os for reading in sensors and setpoint transmitters as well as for setting outputs and switching loads. This enables you to control all types of machines with a drive, such as traction or pump drives, efficiently, reliably and safely.

Features:

- Control of various motor types, such as ASM, SRM, BLDC, etc. (also sensorless)
- Rated battery voltage 48 V
- Input voltage range 25 V..60 V
- Maximum input current 50 A
- Phase current in continuous operation (S1) 40 Aeff
- Phase current in short-time operation (S2) 2 s 60 Aeff
- With integrated current measurement and free-wheeling diode
- Various bus systems for communication such as CAN bus or MODBUS implemented
- DC/DC converter for on-board power supply max. 100 W
- Small and space-saving design with passive cooling plate
- Dimensions 125 mm x 125 mm x 40 mm
- Protection class IP 20
- Operating range up to +60 °C
- Conformity to CE, cULus, RoHS, REACH, EMC
- Long service life > 50,000 h
- Weight 350 g



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