



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..+59 V
- Maximum input current: 50 A
- Phase current in continuous operation: (S1) 40 Aeff
- Phase current in short-time operation: (S2) 10 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. 94 W
- Small and space-saving design
- Dimensions: 134 mm x 134 mm x 40 mm
- Protection class: IP 20
- Operating temperature range: +5 °C to +45 °C (Rated) and +45 °C to +60 °C (with derating)
- Conformity to EN 61800, UL 61800, CE, cULus, RoHS, REACH, EMC
- Lifetime: 50,000 h
- Weight: 560 g



More information:

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