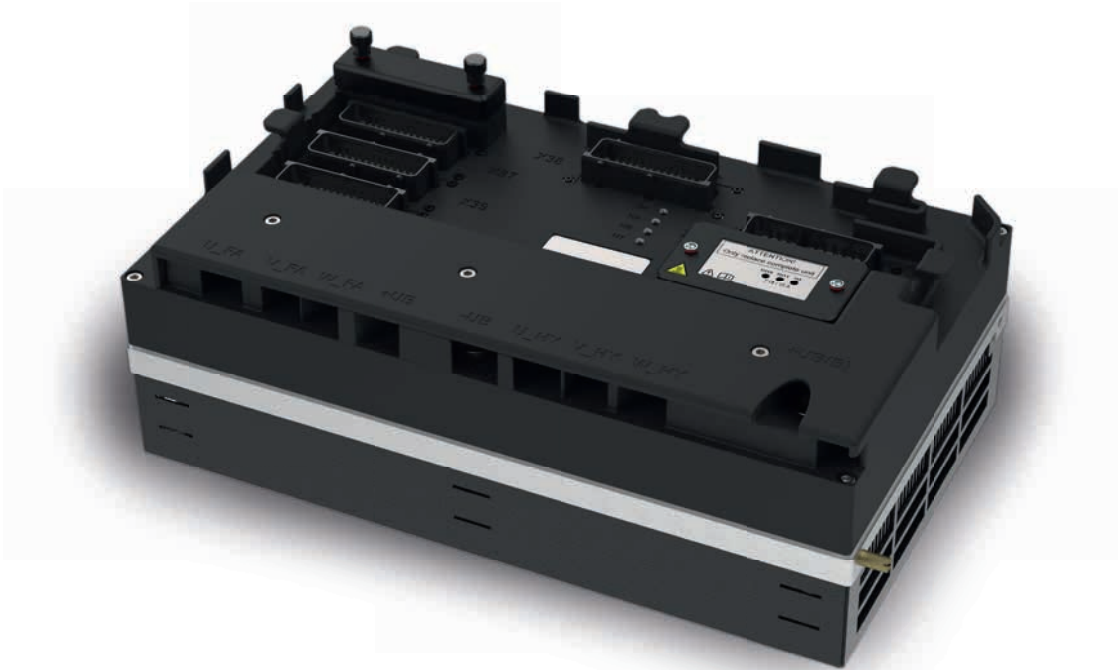




For a better tomorrow.



POWER ELECTRONICS

Compact controller DMCs

The Dual Motion Control safety (DMCs) is a 2-axis controller for asynchronous and synchronous reluctance motors consisting of two independently operating working subsystems, each with its own output stage and its own computer. The compact controller also 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 mobile machinery with two drives, such as: traction and pump drives or two traction drives, efficiently, reliably and safely.

Features:

- Rated battery voltage 80 V
- Input voltage range 48 V..96 V
- Highly efficient 2-axis power output stages with max. 18 kW per axis and recuperation function (energy recovery)
- Phase current (eff) in short-time operation (S2) according to DIN EN 60034:
 - max. 530 A - 2 min max. 350 A - 60 min
- Dual-channel I/O interface with a wide range of inputs and outputs
- Safety computer for safety functions up to performance level d category 3 according to DIN EN ISO 13849
- Sensors for temperature-dependent phase current control for maximum utilization of the output stage
- Electronic charging and discharging circuit for the capacitor bank of the intermediate circuit
- Forced air cooling via heat sinks and integrated fans
- DC/DC converter for on-board power supply 500 W
- Various bus systems for communication such as CAN bus or MODBUS implemented
- Integrated fuses for the individual outputs incl. diagnostics option
- Robust and sealed housing (IP 68 excl. fan) for harsh operating conditions
- Operating range - 40 °C to + 85 °C
- Weight 12 kg



More Information:

INRO Elektrotechnik GmbH

Leiderer Straße 12
63811 Stockstadt [Germany]

+49 6027 2085-200

vertrieb@inro-et.de | inro-et.de/en

