MOTOR CONTROLLER



ADVANTAGE

Solid thermal management

Different commutation modes

Integrated energybus controller

Various communication possibilities

Recuperation included

Compact design

EXAMPLES OF APPLICATION

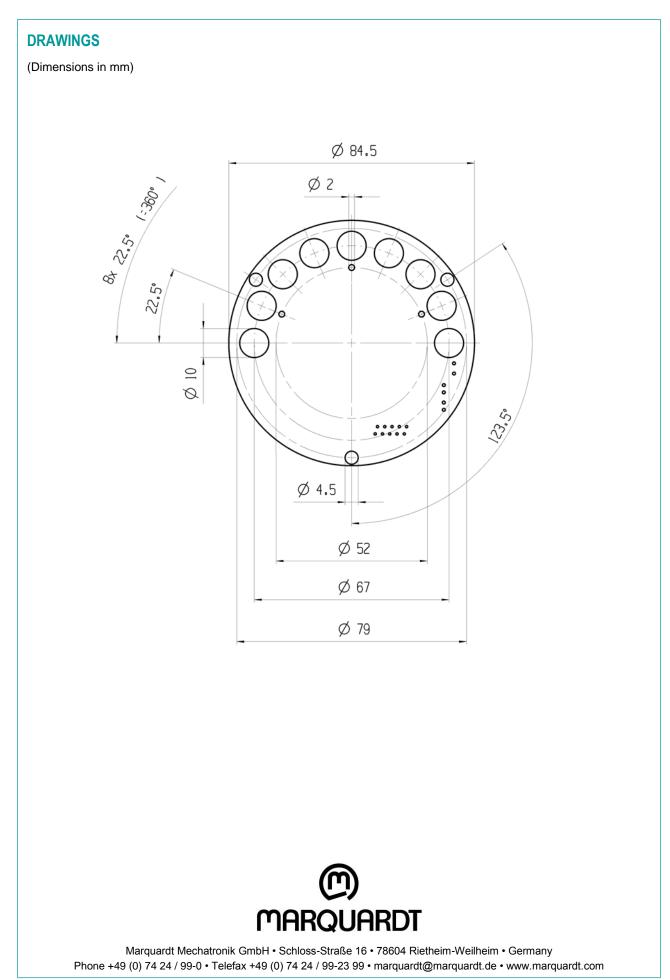
- → E-Bikes
- → Pedelecs
- → LEV Light Electric Vehicles
- → Rehabilitation technology
- → Electrical driven transport vehicles

PRODUCT FEATURES

- → Up to 500 W nominal power
- → Sinus commutation / space vector commutation, alternative block commutation according to application
- → Energybus Controller is integrated in motor controller
- → Energybus / CANopen, alternatively RS232/485
- → Possible if integrated into hub motors
- → Compact design with robust connection technology, high integration of electronics gives good vibration and moisture protection

Supply voltage	12 V up to 48 V
Current rating	Max. 50 A
Peak power < 10s	1,500 W
Power loss	< 30 W
Operating temperature range	-10 °C +70 °C
CAN Transceiver	According to ISO 11898-5
Position sensing	Hall elements, for rotor recognition
Motor connections, supply	Wires soldered
Sensor connections	JST, connectors or similar
Mounting	Screwed into housing
Cooling	Motor housing / gearbox

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7