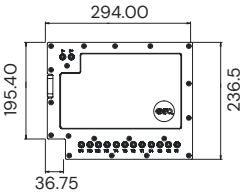
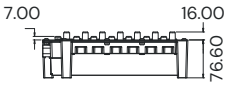
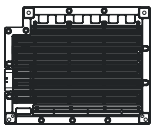
DATASHEET A020-100V



A020 Coil Driver™: 100V motor controller







Inverter*

Max DC voltage (VDC)	120
Performance voltage (VDC)	36 - 100
Max per phase current (Arms)	280
Continuous per phase current (Arms)	100
DC link voltage utilization (%)	100
CAN speed (kbit/s)[1]	500
Cooling method	Air
Dimensions (mm)	294 L x 237 W x 77 H

Applicable Standards*

Ingress protection	IP65 or IP67
Protective microcontroller unit (MCU) inputs	3 phase current, DC link voltage, motor position & temp., half-bridge temp.
CAN controller compliance	ISO11898-1, ISO11898-2 (CAN 2.0b)
Communication protocol (planned)	SAE J1939
Component standards	AEC-Q100/AEC-Q101/AEC-Q200, ROHS Compliance
Toxic material and flammability	UL94-V0
Functional safety	ISO26262
Automotive quality management system	IATF16949
Automotive electromagnetic compatibility (EMC)	CISPR25 class III
Shock and vibration standard	ISO16750-3 commercial vehicle sprung masses

**Specifications are subject to change*

[1]Can be modified upon customer request

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