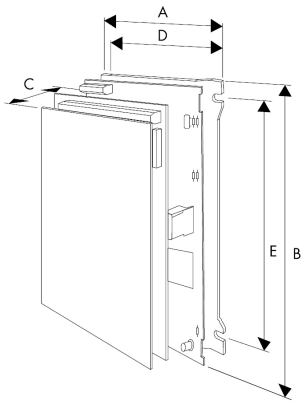
512C

Up to 32 Amps

Isolated control circuitry, a host of user facilities and extremely linear control loop make the 512C ideal for single motor or multi-drive low power applications. Designed for use on single phase supplies, the 512C is suitable for controlling permanent magnet or shunt wound DC motors in speed or torque control.





Technical Specification

Power Supply: 110-115V, or 220-240V or 380-415V ± 10% user selectable, single phase 50-60Hz ± 5%
Ambient: 0-40°C, up to 1000m ASL without derating
Overload: 150% for 60 seconds

Features

User Facilities
Link selection of AC supply voltage
Torque or speed control
3A DC field output
Power on, overcurrent and stall detect LEDs
MOV transient suppression
Buffered speed output (10V, 10mA)
Buffered current output (7.5V, 10mA)
Buffered ramp output (master/slave)
10V DC reference supply 10mA
Total setpoint off
Drive healthy output
Zero speed/zero setpoint output

Potentiometer Adjustments
Maximum speed
Minimum speed
Current limit
Speed stability
Acceleration ramp (1-80 seconds)
Deceleration ramp (1-80 seconds)
IR compensation

Product Details

Nominal Supply Voltage Vac	Armature Voltage Vdc	Field Voltage Vdc
110	90	100
240	180	210
415	320	360

Type	Armature Current
512C/040	4
512C/080	8
512C/160	16
512C/320	32

Dimensions

Type	A	B	C	D	E	Weight (kg)
512C/040,080,160	160	240	85	148	210	1.5/1.6/1.6
512C/320	160	240	123	148	210	2.9

Options

LA057605U012	512C/040	Single phase fuse kit
LA057605U016	512C/080	Single phase fuse kit
LA057605U032	512C/160	Single phase fuse kit
LA057605U050	512C/320	Single phase fuse kit
LA050063		Potentiometer kit

Features

- Fully isolated control circuits
- 110V-415V AC supply selection
- CE marked and EMC compliant
- Multi Input speed and current setpoints
- Zero speed and drive healthy output
- Extremely linear control loops

Standards

- CE Marked to EN50178 (Safety, Low Voltage Directive).
- CE Marked to EN61800-3 (EMC Directive).
- UL listed to US standard
- cUL listed to Canadian safety standards

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