

512C

Up to 9kW

DC DRIVES

TECHNICAL SPECIFICATION

Power Supply - 110-115V, 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
- Health output
- Zero speed/zero setpoint output

Potentiometer Adjustments

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

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 ou 160	160	240	85	148	210	1.5/1.6/1.6
512C/320	160	240	123	148	210	2.9

Options

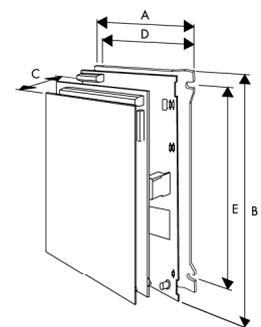
Product No.	Type	Description
LA057605U012	512C/040	Single Phase Fuse Kit
LA057605U016	512C/080	Single Phase Fuse Kit
LA057605U032	512C/160	Single Phase Fuse Kit
LA057605U050	512C/320 S	Single Phase Fuse Kit
LA050063	P	otentiometer Kit



DESCRIPTION

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 wound field dc motors in speed or torque control.

- FULLY ISOLATED CONTROL CIRCUITS
- 110V – 415V AC SUPPLY SELECTION
- CE MARKED AND EMC COMPLIANT
- MULTI INPUT SPEED AND CURRENT SET POINTS
- ZERO SPEED AND HEALTH OUTPUT
- EXTREMELY LINEAR CONTROL LOOPS



STANDARDS

CE marked
 EN61800-3 (EMC compliance) with external filter
 EN50178 (safety, low voltage directive)
 UL listed to US and UL listed to Canadian safety standards
 EMC Filters : See pages 137, 138.