

# 512C Series

## Single phase Analog Isolated Converters

### 4 to 32A

#### DESCRIPTION

512C Series non-regenerative converters with single phase AC supply offer speed or torque full control for wound field or permanent magnet DC motors. Isolated control circuitry and extremely linear speed and current loops make the 512C ideal for single and multi-motor applications.

#### ISOLATED CONTROL CIRCUITRY

**SELECTABLE SUPPLY POWER 110V – 415V**

**CE MARKED - EMC CONFORMITY**

**MULTIPLE INPUTS FOR SPEED/CURRENT REFERENCE**

**DIGITAL OUTPUT FOR ZERO SPEED AND HEALTH**

**EXTREMELY LINEAR CONTROL LOOPS**



#### SPECIFICATIONS

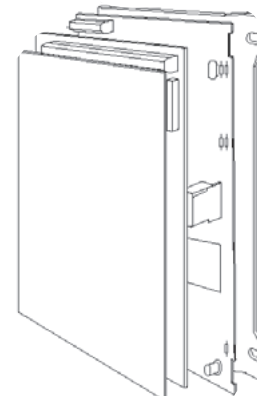
<b>Supply</b>	110–115V, 220–240V or 380–415V (±10%) selectable, single phase
<b>Operating Temperature</b>	0–40°C, up to 1000m ASL without derating
<b>Overload</b>	150% for 60 seconds
<b>Degree of protection</b>	IPO0
<b>Field Output</b>	3Adc
<b>Inputs/Outputs</b>	
Analog Inputs	3 total
Analog Outputs	1 (0V/10V)
Digital Inputs	1 configurable (24V)
Relay Digital Outputs	2 configurable

Part	Armature Current [Adc]	Input Voltage [Vac]	Armature Voltage [Vdc]	Field Voltage [Vdc]
512C/040/120	4	110 - 115	90	100
512C/040/240		220 - 240	180	210
512C/040/460		380 - 415	320	360
512C/080/120	8	110 - 115	90	100
512C/080/240		220 - 240	180	210
512C/080/460		380 - 415	320	360
512C/160/120	16	110 - 115	90	100
512C/160/240		220 - 240	180	210
512C/160/460		380 - 415	320	360
512C/320/120	32	110 - 115	90	100
512C/320/240		220 - 240	180	210
512C/320/460		380 - 415	320	360

#### Dimensions and Weight

Type	H	W	D	Weight
512C/040	9.4 (240)	6.2 (160)	3.3 (90)	3.3 (1.5)
512C/080				3.5 (1.6)
512C/160			4.8 (130)	6.6 (3)
512C/320				

All dimensions are in inches (mm). Weight is in lbs. (kg).



#### INTERNATIONAL STANDARDS

**Complies with EC Directive 89/336/EEC in compliance with standard:**

- EN61800-3 (Environment 1 and 2 with external filter)

**Complies with EC Directive 73/23/EEC in compliance with standard:**

- EN50178 (Low Voltage)

**Complies with UL508C safety standards**

