HODELS									
Code	Power supply	Current	Motor power						
AW5A6750	(monophase)	up to 3.0Arms (peak of 12Arms for 1s max with DC max = 10%)	up to 750 W						

POWER STAGE

Internally there is a voltage doubler so on the motor the voltage will be twice the supply voltage

Ultrasonic chopper frequency 40 kHz

COMMUNICATION INTERFACE

EtherCAT or Ethernet (Modbus TCP/IP) or Profinet or CANbus and Serial (Modbus RTU)

FEEDBACK INTERFACE

Incremental encoder input 5 V differential RS422 or single-ended TTL/CMOS (isolated) or absolute encoder input SSI or BiSS-C (isolated)

POSITION SENSOR INTERFACE

Hall sensor 5 V Single-Ended (TTL/CMOS) (isolated)

SCI INTERFACE

Service SCI interface for configuration, programming and real time debugging

OPTOISOLATED INPUTS

up to 16 digital

OPTOISOLATD OUTPUTS

up to 12 digital

ANALOGUES INPUTS

up to 2 isolated

ANALOGUES OUTPUTS

up to 2 isolated

OPTOISOLATED STO INPUTS

Safe Torque Off inputs SIL3/PLe

SAFETY PROTECTIONS

over/under-voltage, over current, overheating, short circuit between motor phase to phase and phase to ground

TEMPERATURES

working from 5°C to 50°C, storage from -25°C to 55°C

HUMIDITY

5% ÷ 85% not condensing

PROTECTION DEGREE

TP20

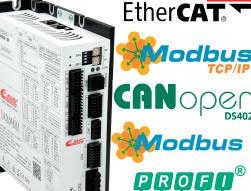
PROTECTION CLASS

AC Brushless Servoditives





SIL3



AW5A6750

- Mains power supply 120 Vac
- Incremental or absolute encoder and Hall sensor inputs
- Serial Service for real time programming and debugging
- Safe Torque Off SIL3/PLe inputs (STO)
- External braking resistor management
- Compliance with the most common PLC Masters on the market
- New e3PLC Programming Environment, easy and intuitive
- UL recognized certified



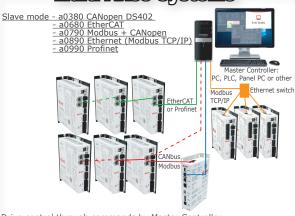
ELETTRONICA PER AUTOMAZIONE INDUSTRIALE Via del Commercio, 2/4 -9/11

Loc. S. Grato - Z.I. 26900 - LODI (LO) - Italy Tel. 0039 0371 412318 - Fax 0039 0371 412367 email infoever@everelettronica.it www.everelettronica.it

Digital Inputs



Multi-Axes Systems



Drive control through commands by Master Controller. Suitable for multi axes systems.

Built in powerfull Motion Module functionality assures perfect synchronization among axes and reduces Master Controller workload.

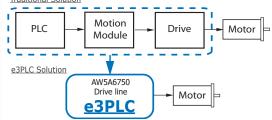
Stand Alone Mode

User Programmable - eePLC- a0690 / a0790 / a0890

FIELDBUS DRIVES WITH AUTONOMOUS FUNCTIONING

that, by integrating advanced PLC and motion controller functions in one single device, programmable by the user with the IDE for Windows PC and e3PLC, allows to reduce the traditional machine control solution.

Traditional Solution



The e3PLC IDE allows the user to access all the I/O control functions and resources, provided by the drive, and to locally program its Motion Control Module, which can also be synchronized with other drives and events of the controlled process. Thanks to the advanced functionalities of the Power Motion Module, an integrated Real-time Process Module, applications can be easily created for special applications such as:

- Labelling
- Electronic cams
- Control Sequences of cable processing
- Many other user-customized processes ...

Configuration and programming

Ever co. proprietary PC Software Tools for easy and quick development, configuration and supervision of each system.

Fieldbus configuration (slave)



IDE e3PLC configuration (programmable)



Autonomous management of the firmware for the execution of the **homing**, of the target movement with relative or absolute quota and for the generation of the ramp profiles

Torque mode for operation with torque limitation

Speed control thanks to digital inputs, analogue inputs or fieldbus

Electronic CAM with advanced programming of internal profiles inside the drive

Electric shaft with encoder or analogue input with variable tracking ratio (Electric Gear)

Fast inputs and outputs for motor' start & stop and event synchronization for high speed response applications such as labeling, nick finder, flying saw etc.

Possibility to synchronize the movements in multi-axis systems, even without fieldbus

Enabling and on-the-fly changing of the motion control modes

Models	Dim H	nensions (n D	nm) W	Weight (g.)	
AW5A6750x2x1-20	180.7	138.5	50.0	800 approx	

Ordering Information for AWEAS750

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	Ordering code Power				System Resources								
	Versions	Config.	Power supply	Current	Digital inputs	Digital outputs	Analogues inputs	Analogues output	Interface	STO inputs	Feedback interface	SCI interface	Control mode
	Azionamenti Linea AW5A6750												
	AW5A6750L221-20	-0200	100 ÷ 120 Vac (monophase) Internally there is a voltage doubler so on the motor	se)	4	3			CANbus		Incremental or absolute Encoder and Hall sensor	Service SCI interface for programming and real time debugging	CANopen DS402
	AW5A6750L2G1-20	a0380			16	12	2	2	CANopen and Serial RS485 Modbus-RTU Safe Torque				
	AW5A6750L221-10	a0790			4	3							e3PLC CANbus
	AW5A6750L2G1-20			up to 3.0 Arms (peak of 12 Arms	16	12	2	2		Safe Torque Off			or e3PLC Modbus-RTU
	AW5A6750E2G1-20	a0890		for 1s max with DC max = 10%)	16	12	2	2	Ethernet (Modbus TCP/IP)	(STO)			e3PLC Modbus TCP/IP
	AW5A6750H221-20	a0680	the voltage will be twice the		4	2			EtherCAT				EtherCAT (CoE)
AW3A0730H221-20	a0690	supply voltage		4 3	,			Lifercat				e3PLC EtherCAT	
	AW5A6750T221-20	a0990			4	3			Profinet				e3PLC Profinet

Configuration and Programming Kits					
Kit code Description]			
SW5_SERV00-SL	SCI service kit with cables, service serial to RS485 and RS485 to USB converters and Ever Studio configuration software.				
SW5_SERV00-EE	SCI service kit with cables, service serial to RS485 and RS485 to USB converters and e3PLC programming software.]			