Code	Power	supply	Max. Out Current		
	Power	Logic			
SW4D2070	12 ÷ 48 Vdc	12 ÷ 48 Vdc	7.1 Arms (10 Apeak)		
SW4A3070	18 ÷ 56 Vac	24÷ 80 Vdc	7.1 Arms (10 Apeak)		

COMMUNICATION INTERFACE

Modbus or CANbus

ENCODER INTERFACE

- incremental encoder not isolated input 5V Differential (RS422) or 5V Single-Ended (TTL/CMOS) or absolute encoder input 5V BISS-C or SSI (SW4D2070 only)
- encoder output not isolated 5V Differential (RS422) (SW4D2070 only)

SCI INTERFACE

service SCI interface for programming and real time debug

OPTOISOLATED INPUTS

4 digital inputs

OPTOISOLATED OUTPUTS

2 digital outputs (SW4A3070) or 3 digital outputs (SW4D2070)

ANALOG INPUTS

2 analog inputs

EMULATED STEP RESOLUTION

Stepless Control Technology (65536 positions per turn)

SAFETY PROTECTIONS

Over/UnderVoltage, OverCurrent, OverTemperature, Phase/Phase and Phase/Ground Short

TEMPERATURE

operating from 5°C to 40°C, storage -25°C to 55°C

HUMIDITY

5% ÷ 85%

PROTECTION CLASS

TP20

OpenLoop Controller Controller Controller Controller Controller AMP. Motor Controller Feedback of TORQUE - POSITION - SPEED Encoder Better control compared to both an open loop stepper

solution and a servo-controlled brushless solution

Programmable vectorial drivers for 2 phases stepper motors



TITANIO



SW4

Titanio drivers

- Vectorial control
- Several fieldbus
- Serial Service for real time programming and debugging
- New e3PLC Programming Environment, easy and intuitive
- Closed loop also with absolute multiturn encoder

ELETTRONICA the clever drive

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

Loc. S. Grato - Z.I.

26900 - LODI (LO) - Italy

Tel. +39 0371 412318 - Fax +39 0371 412367

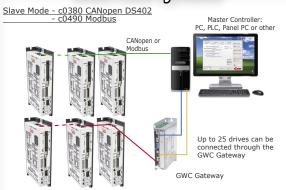
email infoever@everelettronica.it

www.everelettronica.it

-Step-& Direction or Analog



Multi-Axes-Systems



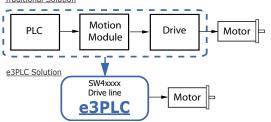
Drive control through commands by Master Controller. Suitable for multi axes systems (up to 127 drives). Built in powerfull Motion Module functionality assures perfect synchronization among axes and reduces Master Controller workload

-Stand Alone Mode

PUser Programmable - e3PLC- c0390 - c0490

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 ...



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

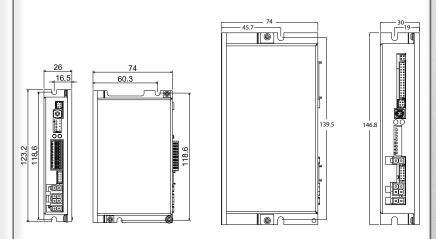
Electric shaft with encoder or analogue input with variable tracking ratio (Electric Gear)

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

-Mechanical Data



Models	Dim H	Weight (g.)		
SW4D2070x231-xx	123.2	74.0	26.0	350
SW4A3070x261-xx	146.8	74.0	30.0	450

Ordering Information for SWA Drives

Ordering code Power					System Resouces							Kits codes		
Versions	Config.	Power Supply	Logic Power Supply	Current	Digital Inputs	Digital Outputs	Analog Inputs	Analog Outputs	Interfaces	Encoder Interface		SCI Interface	Contol Mode	Software Kits
SW4 Drives Line: 2070 Models														
	c0380		I 12 → 48 V/dc I	0 ÷ 7.1 Arms (0÷10.0 Apeak)	4		2	0 .	CANbus	Incremental	Service serial	CANopen DS402	SW4_SERV00-SL	
SW4D2070C231-00	c0390	12 ÷ 48 Vdc				3			Canopen			for configurationa and/or program- ming and debug in real time	e3PLC CANbus	SW4_SERV00-EE
SW4D2070M231-00	c0490								Modbus				e3PLC Modbus	SW4_SERV00-EE
SW4 Drives Line: 3070 Models														
	c0380		18 ÷ 56 Vac 24 ÷ 80 Vdc 0 ÷	0 ÷ 7.1 Arms (0÷10.0 Apeak)	4	2	2	0			1	Service serial for configurationa and/or program- ming and debug in real time	CANopen DS402	SW4_SERV00-SL
SW4A3070C261-02 c038 c039	c0390								CANbus	Incremental			e3PLC CANbus	SW4_SERV00-EE
	c0380								Canopen	Absolute *1			CANopen DS402	SW4_SERV00-SL
	c0390	18 ÷ 56 Vac											e3PLC CANbus	SW4_SERV00-EE
	c0490	- 10 . 30 vac 24 . 30 v	230 vuc							Incremental			e3PLC Modbus	SW4_SERV00-EE
SW4A3070M261-02	2 c0490								Modbus	Absolute *1			e3PLC Modbus	SW4_SERV00-EE

*1 Available for closed loop of position only.

1 Spacktheelthous