Code	Power	Current						
	Power	Logic						
SW5A4085	18 ÷ 100 Vca single phase or 3 phases	18 ÷ 100 Vac (mandatory)	8.50 Arms (12.00 Apeak)					

EMULATED STEP RESOLUTION

Stepless Control Technology (65536 position per turn)

COMMUNICATION INTERFACES EtherCAT, Modbus TCP/IP, CANopen e Modbus

ENCODER INTERFACES

incremental encoder input 5V differential RS422 or single-ended TTL/CMOS (not isolated)

SCI INTERFACE

SCI service interface for programming and real time debug

OPTOCOUPLED INPUTS

4 or 16 digital inputs

OPTOCOUPLED OUTPUT

3 or 12 digital outputs

ANALOG INPUTS

up to 2 analog inputs depend on model

ANALOG OUTPUT

up to 2 analog output depend on model

SAFETY PROTECTIONS

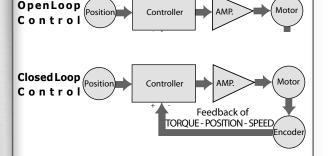
over/under-voltage, over current, overheating, short circuit between motor phase to phase and phase to ground

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

5% ÷ 85% not condensing

PROTECTION CLASS

Open loop / Glosed Loop



Better control compared to both an open loop stepper solution and a servo-controlled brushless solution

Programmable vectorial drivers for 2 phases stepper motors

ITANIO



SW5A4085 **Titanio drivers**

- Vectorial control
- Several fieldbus
- Serial service for real time programming and debugging
- New e3PLC Programming Environment, easy and intuitive

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

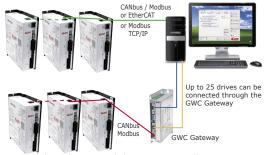
Step & Direction Mode



Slave Mode - c0380 CANopen DS402

- c0490 Modbus RTU c0680 EtherCAT CoE
- c0800 Modbus TCP/IP

Controller Master: PC, PLC, Panel PC o altro



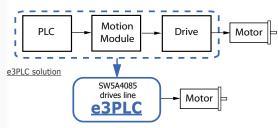
Drive control through commands by Master Controller. Suitable for multi axes systems (up to 127 drives). Built in powerfull Motion Module functionality assures perfect synchronization among axes and reduces Master Controller workload

Signol-Morne-Mode

User Programmabile - e3PLC- c0390 / c0490 / c0690 / c0890

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.



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 ...

(1)

Configuration softwere

Fieldbus configuration (slave)



IDE e3PLC configuration (programmable)



Ever co. proprietary PC Software Tools for easy and quick configuration or programming, real time debug and supervision of each system

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 $% \left(1\right) =\left(1\right) \left(1\right)$

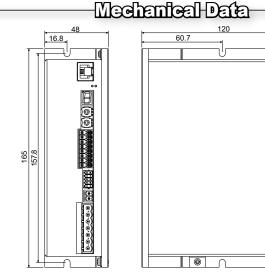
Electronic CAM with advanced programming of internal profiles inside the drive

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	Dimensions (m		nm) W	Weight (g.)
SW5A4085xxxx-x0	165.0	120.0	48.0	390

Ordering Information for SWEAA035 Drives

Ordering (code		Power					5	System Reso	urces	
Versions	Config.	Power Supply	Logic Power Supply	Current	Digital Inputs	Digital Outputs	Analog Inputs	Analog Outputs	Interface	SCI Interface	Control Mode
						SW5A4	085 Drives	Line			
SW5A4085C2N1-00	c0380				6	4	2	0			Fieldbus CANbus DS402
	c0390			0	4	2	0	CANbus		e3PLC CANbus	
SW5A4085C2G1-00	c0380		18 ÷ 100 Vac	0.0 ÷ 8.5 Arms	16	12	2	2	Canopen Modbus	e3PLC (Fieldbus CANbus DS402
5W5A4065C2G1-00	c0390					12	۷				e3PLC CANbus
SW5A4085M2N1-00	c0490	- 18 ÷ 100 Vac (optional)			6	4	2	0			Fieldbus Modbus DP + e3PLC
SW5A4085M2G1-00					16	12	2	2			Fieldbus Modbus Dr + espec
SW5A4085E241-00	c0800		(12 Apeak)	4	2	0	0		and real time debug	Fieldbus Modbus TCP/IP	
5W3A4063E241-00	c0890				4	2	U	0	Ethernet Modbus TCP/IP	P	e3PLC Modbus TCP/IP
SW5A4085E2J1-00	c0800				12	10	0	0			Fieldbus Modbus TCP/IP
5W3A4U05EZJ1-UU	c0890				12	10		U			e3PLC Modbus TCP/IP
SW5A4085H241-00	c0680				4 2	2	0	0	EtherCAT CoE		Fieldbus EtherCAT CoE
	c0690					2					e3PLC EtherCAT CoE

П	Configuration and Programming Kits							
L	Kit code Description							
Н	SW5_SERV00-SL	SCI configuration communication kit with cables, service serial to RS485 and RS485 to USB converters and CD-Rom.						
L	SW5_SERV00-EE	SCI service e3PLC programming with cables, service serial to RS485 and RS485 to USB converters and CD-Rom.						