Hereby the implemented characteristics:

- Developed with the Enhanced Real-Time Ethernet Controller 200P (Siemens V4.6 PN Stack inside)
- GSDML v2.35 file
- IRT switch for dual Ethernet ports
- Drives can be controlled over Profinet as an IO device
- supporto RT (Real Time) protocol for Profinet IO, for applications with up to 10 ms cycle time: module 64 bytes I, 64 bytes O
- supporto IRT (Isochronous Real Time) protocol for Profinet IO, for applications with less than 1 ms cycle time; module 64 bytes I IRT. 64 bytes bytes O IRT
- 64 bytes (Input) and 64 bytes (Output) to transfer IO data between the IO controller and the IO devices
- · 16 bytes (I/O) are fixed mapped
- 40 bytes (I/O) may be variably mapped to desidered functions using e3PLC
- 8 bytes (I/O) are used to R/W drive objects according to CANOpen SDO service.
- Digital IO (24Vdc) and analog inputs of the drive are available as distributed I/O points over Profinet.



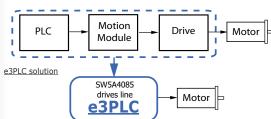
Drives control through commnd by master controller.

Apply and ly long 13

User Programmabile - e3PLC- c0990

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 ...

Programmable vectorial drivers for 2 phases stepper motors മനിിക്കിിക്കൾ Power supply Current

IITANIO











SW5A4085 **Titanio drivers**

Vectorial control

- Fieldbus Profinet for a greater bandwidth and for more stations on the network
- Closed loop of torque, speed and position
- Serial service for real time programming and debugging
- New e3PLC Programming Environment, easy and intuitive

Category C3 following standard EN 61800-3 Open from / Glosed Loop

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

MODELS

Code

SW5A4085

Power

18 ÷ 100 Vac

single phase

or 3 phases

Stepless Control Technology (65536 position per turn)

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

over/under-voltage, over current, overheating,

SCI service interface for programming and real time debug

EMULATED STEP RESOLUTION

COMMUNICATION INTERFACES Profinet (dual ethernet ports with an IRT switch)

ENCODER INTERFACES

OPTOCOUPLED INPUTS

OPTOCOUPLED OUTPUT

SAFETY PROTECTIONS

5% ÷ 85% not condensing

PROTECTION DEGREE

SCI INTERFACE

6 digital inputs

HUMIDITY

STANDARD

4 digital outputs

ANALOG INPUTS 2 analog inputs

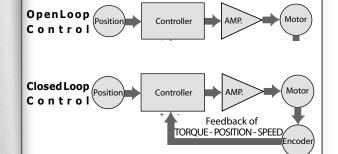
Logic

18 ÷ 100 Vac

single phase (optional and not isolated)

8.50 Arms

(12.00 Apeak)



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

Via del Commercio, 2/4 - 9/11

the clever drive

ELETTRONICA PER AUTOMAZIONE INDUSTRIALE

Loc. S. Grato - Z.I. 26900 - LODI (LO) - Italy Tel. +39 0371 412318 - Fax +39 0371 412367 email infoever@everelettronica.it www.everelettronica.it

Configuration software

Fieldbus configuration or

LIVERTHEISTE MOETER

IDE e3PLC configuration (programmable)

PLC Master

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

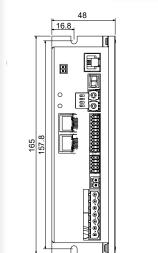
 ${\it Electronic}$ ${\it CAM}$ with advanced programming of internal profiles inside the drive

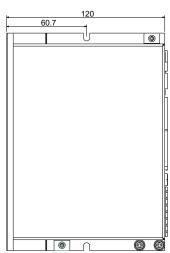
Electric shaft with encoder or analogue input with variable tracking ratio (Electric Gear)

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 (I		nm) W	Weight (g.)
SW5A4085T2N1-00	165.0	120.0	48.0	390

Mechanical Data

Ordering Information for SWEAA035 Drives

Ordering code Power			System Resources								
Versions	Config.	Power Supply	Logic Power Supply	Current	Digital Inputs	Digital Outputs	Analog Inputs	Analog Outputs	Interface	SCI Interface	Control Mode
SW5A4085 Drives Line											
SW5A4085T2N1-00	c0990	18 ÷ 100 Vac	18 ÷ 100 Vac (optional)	0.0 ÷ 8.5 Arms (12 Apeak)	6	4	2	0	Profinet	For programming and real time debug	Fieldbus Profinet

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