POWER SUPPLY
Power: 12 ÷ 48 Vdc
Logic (optional): 12 ÷ 48 Vdc

PHASE CURRENT
up to 4.2 Arms (6.0 Apeak)

CHOPPER FREQUENCY
40kHz ultrasonic

COMMUNICATION INTERFACE
EtherCAT CoE with DS402 functionalities

SCI INTERFACE
service SCI interface for real time configuration and debug

OPTOCOUPLED INPUTS
4 digital inputs 5-24 Vdc NPN, PNP or Line-Driver 5 MHz

OPTOCOUPLED OUTPUT
2 digital outputs PNP, 24 Vdc - 100 mA - 1 kHz

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 0°C to 40°C, storage -25°C to 55°C
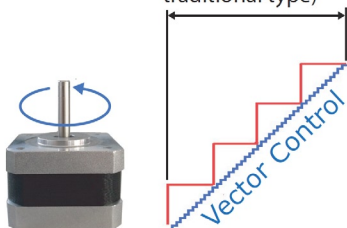
HUMIDITY
5% ÷ 85%

PROTECTION CLASS
IP20

STANDARDS
C3 Category following the standard EN 61800-3

VECTOR CONTROL

1.8° (1/4 microstep of
traditional type)

Vector Control

EtherCAT fieldbus vectorial drivers for 2 phases stepper motor

TITANIO
VECTOR - STEPPER - DRIVES

EtherCAT

GARANZIA 3 ANNI

SW3
Titanio drivers

- EtherCAT (CoE) with integrated DS402 functionalities
- Service serial for real time configuration and debugging
- Conformity with the most common PLC masters on the market
- Integrated oscilloscope
- Vectorial control, which ensures smooth and silent movements
- Separate power supply for logic and power
- Monitoring and alarms records
- Auto tuning of motors' control parameters

ever 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
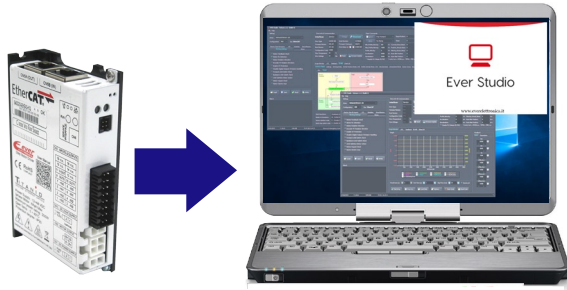email infoever@everelettronica.it
www.everelettronica.it

- Supported Modes:
   Profile Position Mode
   Velocity Mode
   Homing Mode
   Interpolated Position Mode
   Cyclic Synchronous Position Mode,
   Cyclic Synchronous Velocity Mode

- Multiple Supported Homing Modes:
   1 , 2 , 17 , 18 , 19 , 20 , 21 , 22 , 35 , 37.

- Synchronization Mode:
   Free Run
   Synchronous with SM Event
   Distributed Clocks

- Diagnostic services:
   EMCY
   Diagnostics

- Minimum cycle time:
   500 microseconds

- PDO Dynamic Mapping

- Touch Probe function

- Factor Group

- Storable PDO Mapping Inside Drive

PLC

EtherCAT Fieldbus

Master   Slaves

Available Models

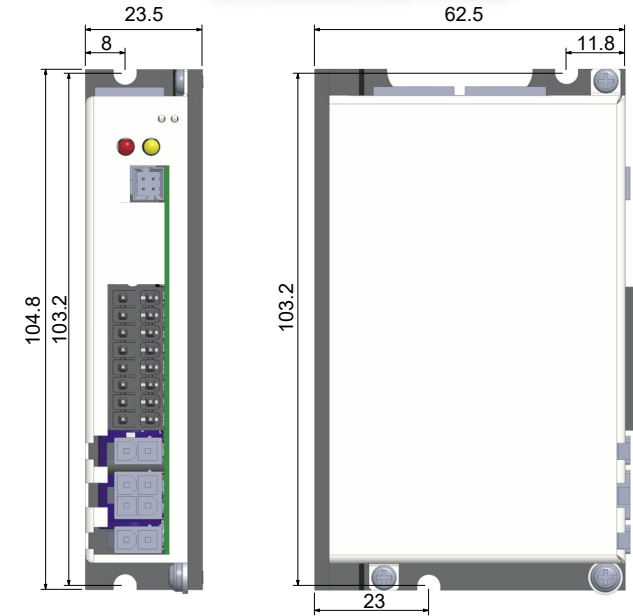*Mechanical Specification*

Fieldbus c0680 configuration

SCI Serial Service, for real time programming and debugging, without interrupting the drive and PLC's work.

The drive can be interfaced through Ethercat fieldbus

Models	Dimensions (mm)			Weight (g.)
	H	L	W	
SW3D2042H241-0x	104.8	62.5	23.5	150 approx

Ordering Information for SW3 EtherCAT

Ordering code		Power			System Resouces				Control mode
Versions	Config.	Power supply	Logic Power supply (optional)	Current	Digital Inputs	Digital Outputs	Interfaces	SCI Interface	Mode
SW3 Drives Line: 2042 Models									
SW3D2042H241-01	c0680	12 ÷ 48 Vdc	12 ÷ 48 Vdc	0 ÷ 4.2 Arms (0÷6.0 Apeak)	4	2	EtherCAT CoE (DS402)	Serial service interface for configuration and real time debug	Fieldbus EtherCAT mode (Slave)

Configuration Kits	
Code	**Description**
SW3_SERV00-SL	SCI configuration communication kit with cables, Service serial to RS485 and RS485 to USB converters and CD-Rom.