

Specifications

POWER SUPPLY

100 ÷ 240 Vac (monophase)

PHASE CURRENT

up to 3.0 Arms (4.2 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

OPTOCOUPLED OUTPUT

2 digital outputs PNP, 24 Vdc - 100 mA

OPTOCOUPLED STO INPUTS

Safe Torque Off inputs

EMULATED STEP RESOLUTIONStepless Control Technology
(65536 positions per turn)**SAFETY PROTECTIONS**Over/UnderVoltage, OverCurrent, OverTemperature,
Phase/Phase and Phase/Ground Short**TEMPERATURE**

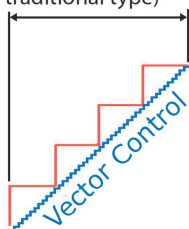
operating from 5°C to 40°C, storage -25°C to 55°C

HUMIDITY

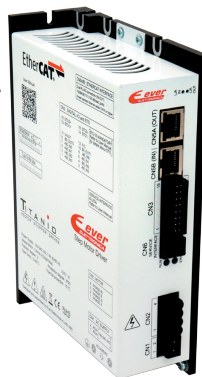
5% ÷ 85%

PROTECTION CLASS

IP20

VECTOR CONTROL1.8° (1/4 microstep of
traditional type)

EtherCAT fieldbus vectorial drivers for 2 phases stepper motor

TITANIO
VECTOR - STEPPER - DRIVES

EtherCAT

SW3A

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
- Safe Torque Off inputs
- AC Power supply from main
- Auto tuning of motors' control parameters

Ever
ELETTRONICA
the clever drive

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EtherCAT CoE DS402

- 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



Master

Slaves

