	MODELS Specifications				
	MODELS	Obeenneernone			
	Code	Power Power	supply Logic	Max Current for each motor	
	SW5D3070	24 ÷ 80 Vdc	24 Vdc (mandatory and isolated)	7.10 Arms (10.10 Apeak)	
	EMULATED STEP RESOLUTION Stepless Control Technology (65536 position per turn)				
	COMMUNICATION INTERFACES Industrial Ethernet Interface Multiprotocol				
	ENCODER INTERFACES (isolated) incremental encoder input 5V differential RS422 or 5V single-ended TIL/CMOS (isolated), or absolute multiturn encoder input 5 V Endat2.2 or BiSS-C or SSI				
	USB INTERFACE USB service interface for programming and real time debug				
	INPUTS (optocoupled) OUTPUT (optocoupled)				
	4 digital ANALOG INPUTS (isolated) 2 analog				
	ANALOG OUTPUTS (isolated) 2 analog				
	SAFE TORQUE OFF INPUTS (optocoupled) 2 STO inputs				
	SAFETY PROTECTIONS over/under-voltage, over current, overheating, short circuit between motor phase to phase and phase to ground				
Ś	TEMPERATURES working from 5°C to 40°C, storage from -25°C to 55°C				
	HUMIDITY 5% ÷ 85% no PROTECTIOI				
ς –	IP20				
ł	STANDARD Category C3 following standard EN 61800-3				
۲ I					
4	The drive can be configured to communicate with a wide range of major fieldbuses on the market without any hardware alteration but with a simple software setup. Fieldbuses already available for interfacing on a Multiprotocol				
1	EtherCAT EtherNet/IP				
	Downloading the ad hoc firmware, it's possible to change the communication protocol according to the need of your application.				
	Multiprotocol drives ensure fast and flexible operation and user-friendly configuration provided on the software, without the need for additional servers or special hardware.				
	Ope		Controller	AMP. Motor	
Control					
		dLoop trol	Controller	AMP. Motor	
	Better control compared to both an open loop stepper solution and a servo-controlled brushless solution				
	510511035 301				

Multiprotocol fieldbus programmable vectorial drivers for 2 stepper motors TITANID VECTOR - STEPPER - DRIVES
<image/>
SW5D3070
<ul> <li>Industrial Ethernet Interface Multiprotocol fieldbus</li> <li>Outputs to drive two independent motors</li> <li>USB serial for real time programming and debugging</li> <li>Vectorial control, for smooth and silent movements</li> <li>Closed loop of speed, torque and position</li> <li>Easily programmable with e3PLC Programming Environment</li> </ul>



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## Multi Axce Systems

#### Slave Mode - c0A80 PowerLink (DS402)

POWERLINK is a standard Ethernet-based communication protocol that guarantees reliable and deterministic communications: it is therefore wellsuitedtomeettheneedsofindustrialautomation and process control. POWERLINK utilizes the same object dictionaries and communication mechanisms as CANopen, including process data objects (PDOs), service data objects (SDOs), and network management (NMT). For this reason, POWERLINK can be referred to as a "CANopen over Ethernet."

Main features of the POWERLINK fieldbus:

- real-time data
- freedom to choose the network topology best suited to the application (star, tree, ring, or combinations of all these network architectures)
- Cyclic and isochronous data exchange: the Managing Node, during the clock cycle, sends requests to all nodes according to a predeermined sequence (equidistant time cadence) while waiting for the response from each node
- deterministic, as the network and device update time is constant
  dynamic mapping of PDOs.
- hot plug: disconnection of one (or more) nodes does not affect networkfunctionality; if one node is disconnected, the others continue to operate. This means, for example, that it is possible to disconnect part of the robotic line for maintenance and reconnect it without "disturbing" other connected machines.



Drives control through command by master controller.

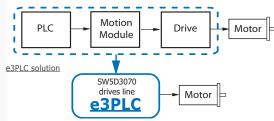
# -Stend Alono Modo

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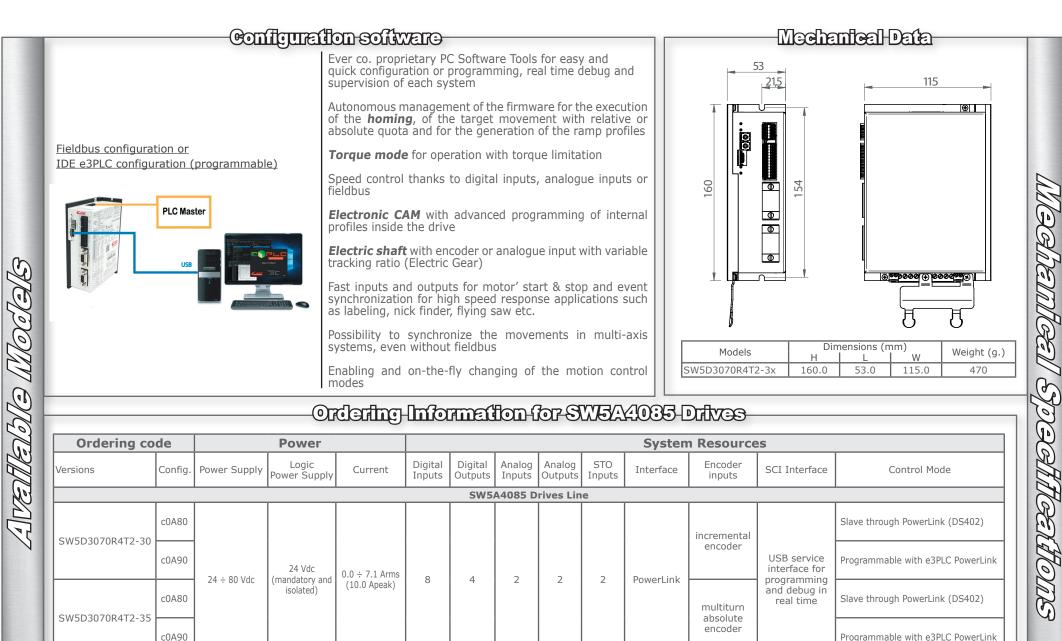
### User Programmabile - e3PLC- c0A90

**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 ...



**Configuration and Programming Kits** 

Kit code

### Description

USBC SERV0EE-1M USB configuration and programming communication kit with cable and USB key with Ever Studio and e3PLC in demo version.

Versione 11.0.2