

VLT® POWERLINK MCA 123

The VLT® POWERLINK MCA 123 interface uses Standard-Fast-Ethernet, which through the POWERLINK timeslot mechanism has been enhanced with deterministic data transfer.



Ordering number
Uncoated 130B1489
Coated 130B1490

VLT® POWERLINK MCA 123 represents the second generation of fieldbus. The high bit rate of Industrial Ethernet is used and the full power of IT technologies to the automation world is available now for the factory world.

Ethernet is, when introduced in automation, still open and independent. POWERLINK does not only provide high performance real-time and time synchronisation features. Due to its CANopen-based communication models, network management and device description model offers much more than just a fast communication network.

With this architecture, all additional system features necessary for distributed automation systems are provided in a standardized manner. Therefore the integration of systems built up with devices from multiple manufacturers is easily possible.

The perfect solution for:

- Dynamic motion control applications
- Material handling
- Synchronisation and positioning applications



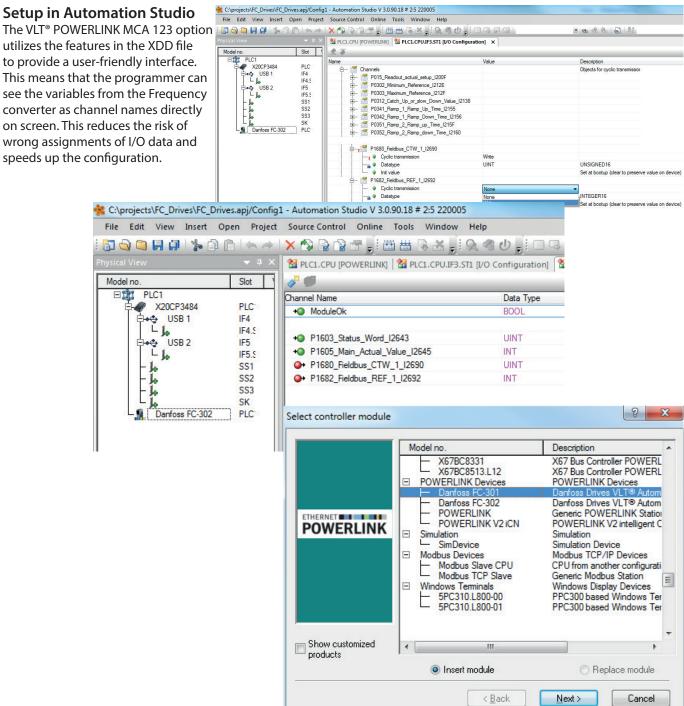
Feature	Benefit
Cycle-times down to 400µSec	Meets toughest real-time demands
High bandwidth Asynchronous IP data access	Multi-purpose bus
 Jitter < 1us Velocity, position and marker synchronizing	Maximum performance and precise timing
Integrated hub for daisy chaining	Supports any network topology
No proprietary ASICs neededLicense free	Saves money
Multiplexed timeslot	Increases PLC & Bus performance
Industry provenLarge installed base	Widely supportedAvailable and widely deployed
Plug-and-Play commissioning	Easy to learn and use
CANopen application layer	Backwards compatibility





Setup in Automation Studio

utilizes the features in the XDD file to provide a user-friendly interface. This means that the programmer can see the variables from the Frequency converter as channel names directly on screen. This reduces the risk of wrong assignments of I/O data and speeds up the configuration.



Danfoss Drives, Ulsnaes 1, DK-6300 Graasten, Denmark, Tel. +45 74 88 22 22, Fax +45 74 65 25 80, www.danfoss.com/drives • E-mail: info@danfoss.com