motralec Danfoss VLT PROFIBUS Converter MCA 114 VLT PROFIBUS Converter MCA 1· DEMANDE DE PRIX >
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ENGINEERING TOMORROW

VLT® PROFIBUS Converter MCA 114

Keep the functionality of the VLT® 5000 Profibus without changing the PLC program.



Ordering number
Coated 130B1246

VLT® PROFIBUS Converter MCA 114 emulates the VLT®5000 commands on the PROFIBUS network. All VLT 5000 commands from the PLC are translated in the MCA114 to VLT® AutomationDrive FC 302 commands. This eliminates the need to rewrite the PLC program and change the configuration.

As a result the PLC investment is retained and no expensive and time consuming reprogramming is required. Production downtime is reduced to a minimum, where the FC302 now becomes plug-and-play compatible with the VLT®5000 Profibus.

For easy mechanical adaptation, accessory adaptor plates with VLT 5000 mounting holes ensure correct fitting of the FC 302 in panels or on walls.

Easy and compatible

- Emulates all VLT 5000 PPO types
- Delivered pre-installed in a standard FC 302 or as field mountable option
- A-cyclic parameterization using PROFIBUS DP-V1 is converted to FC 302 parameters
- Supports the two-state machines of the VLT® 5000
- Communication using PROFIBUS DP-V1, Master Class 1 and Master Class 2
- VLT® 5000 optimized PLC program do not need to be changed when upgrading/retrofitting
- Spare parts stock can be reduced to FC302 parts only

40 million

devices worldwide. PROFIBUS is the world's most successful fieldbus, widely used in process automation, motion control and safety related tasks.

Feature	Benefit
Efficient	
Reuses the VLT 5000 GSD file	No need to change the PLC's hardware configuration in the PLC
Accepts the VLT 5000 PPO1 to PPO8	No need to rewrite the PLC program
Mounts in a FC302	Reduced spare part list
VLT® Motion Control Tool MCT10 Support via USB and RS485	Full access of FC 302 parameters, where the new features of the FC 302 are accessible (e.g. Logging, scope)
VLT 5000 diagnosis	Fast recovery from fault
Configuration of process data via GSD-file	All communication settings are handled in the PLC
Same PROFIBUS connector style	Installed bus connector can be reused or the new color coded connector can be used.

VLT® THE REAL DRIVE

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Save installation time with adaptor plates

Reduce downtime and mounting costs when exchanging a VLT® 5000 with a VLT® AutomationDrive FC 302. Pre-drilled adaptor plates make it easy to mount a new FC 302 frequency converter in place of a VLT 5000.

Not only does this reduce installation costs, it also eliminates the need for additional modifications to the cabinet or panel where the new drive is installed. Drilling new holes and cutting new threads can coarse chips to damages electronic parts.

Owners can therefore exchange old drives with new drives in existing systems with ease. This is an advantage when a high degree of flexibility in upgrade strategies is required.



Adaptor plate, FC302 and a MCA114 PROFIBUS converter can easily replace a VLT5000

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