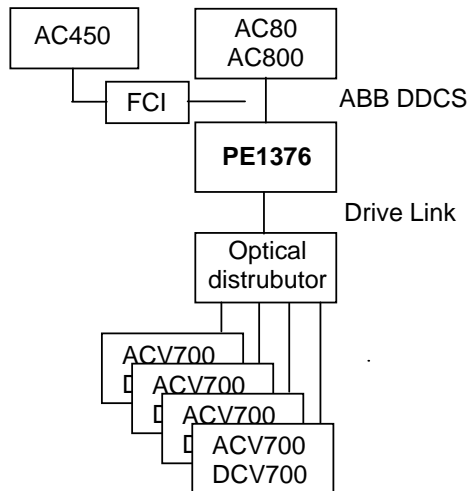


General

The PE1376 is a converter to ABB DDCS protocol on one side and Drive Link protocol on the other side. This unit makes it possible to connect 4 ACV700/DCV700 to a AC80/AC800/AC450 without the APC controller. The converter is operating at 4 Mbit to ModulBus and 1,5 Mbit on the drive Link protocol.

The PE1376 contains a 2 character display for status indication.

Configuration example



Mounting

To obtain the best immunity to electric noise the PE1376 must be electrically connected to cubicle through 4 M5 screws in each corner.

Dimensions

Size 240x145 mm (wxh)
 Required mounting deep: 35mm
 Mounting screws: 4 x M5
 Mounting holes position: 220x135mm (wxh)

Data

Power supply
 +24V DC (12-30V DC), typical 120mA(3W), at startup 1A 10 ms, Max fuse: 4A
 Enclosure class IP00
 Operation +5..+40 °C., Storage -40..+70 °C.

Drive Link Communications

PE1376 is Master on Drive Link Protocol and can handle up to 4 ACV700/DCV700. PE1376 can be connected with 1,0mm plastic fiber POF. Transmission speed 1,5 Mbit/s.

Communication on ABB DDCS protocol

PE1376 is slave on the DDCS protocol. PE1376 can be connected with 1,0mm plastic fiber POF or 200µm Hard Clad Silica HCS fiber.

ModuleBus: Use TB810 adapter in AC70/AC80 or FCI unit when using HCS fiber.

ModuleBus: Use TB810 or TB811 adapter in AC70/80 or FCI unit when using Plastic fiber.

DriveBus channel on AC80/AC800 can handle Plastic or HCS fiber.

Front view



Connections

TERMINAL	FUNCTION
P11	Chassie
P12	+24V Power supply
P13	0V
P14	Cable screen
9 pole Dsub	Service aid
2	Txd RS232
3	Rxd RS232
5	0V
OPT1	RxD ModuleBus connect to AC80/800
OPT2	TxD ModuleBus connect to AC80/AC800
OPT3	RxD DriveLink connect to Optical distributor
OPT4	TxD DriveLink connect to Optical distributor