

Processelektronik AB

PE1354FM

Connect MP200 to Profibus drives

Datasheet

General

The PE1354FM is a converter connected to ABB MasterFieldbus short distance bus (RS485) on one side and on ProfibusDP on the other side. The converter is operating at High or Low communication speed on the MFB.

The PE1354FM contains a 2-character display for status indication.

PE1354FM act as slaves on Masterfieldbus and Master on Profibus DP.

PE1354FM will only occupies the Masterfielbus address if the corresponding Profibus address are connected. This mean that old Tyrak drives can still be working on same Masterfieldbus

Mounting

To obtain the best immunity to electric noise the PE1354FM must be electrically connected to cubicle through 4 M5 screws in each corner (M5 Screw pos 220mmx135mm).

Dimensions

Size: 240mm x 145mm (w x h)

Required mounting deep:35mm

Enclosure class:IP00

Environmental data

Operation +5..+40 degrees C.,

Storage -40..+70 degrees C.

Data

Auxiliary Power

+24V DC (12-30V DC),typical 120mA(3W), at startup 1A 10ms,Max fuse: 4A

Communication MFB

PE1354FM is Slave on MasterFieldBus RS-485

Transmission speeds 375kbit/s or 2mbit/s

Max cable length :short dist. <=25m

Cable type FLFR 3x2x0.34

PE1354FM act as up to 16 slaves on MFB.

Communication on ProfiBus DP

PE1354FM is Master on the Profibus DP protocol

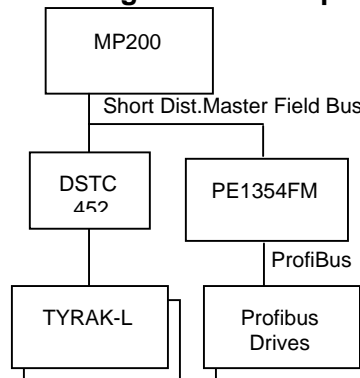
Standard 9 pin D-SUB connector

Transmission speeds 9.6kbit/s to 12mbit/S.



Front view

Configuration examples



Connections

Terminal	Function
P1	R-N MasterFieldBus RS485
P2	R MasterFieldBus RS485
P3	CLOCK-N MasterFieldBus RS485
P4	CLOCK MasterFieldBus RS485
P5	DATA-N MasterFieldBus RS485
P6	DATA MasterFieldBus RS485
P7	Cable creen
P11	Chassie
P12	+24V
P13	0V
P14	Cable screen
9-pole Dsub	Service aid
1	TXD RS232
3	RXD RS232
5	0V
9-pole Dsub	Profibus DP connector
9-pole Dsub	Profibus configuration port