

Processelektronik AB

PE1354FB Listen to MasterFieldBus MasterFieldBus - Modbus TCP

Datasheet

General

The **PE1354FB** is a converter connected to ABB MasterFieldBus short distance bus (RS485) on one side and on **Modbus TCP** on the other side. The converter is operating at High or Low communication speed on the MFB. The PE1354FB contains a 2 characters display for status indication.

Mounting

To obtain the best immunity to electric noise the PE1354FB 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 170mA(4W), at startup 1A 10ms,Max fuse: 4A

Communication MFB

PE1354FB is Slave on MasterFieldBus RS-485

Transmission speeds 375kbit/s or 2mbit/s

Max cable length :short dist. <=25m

Cable type FLFR 3x2x0.34

Communication on ModBus TCP

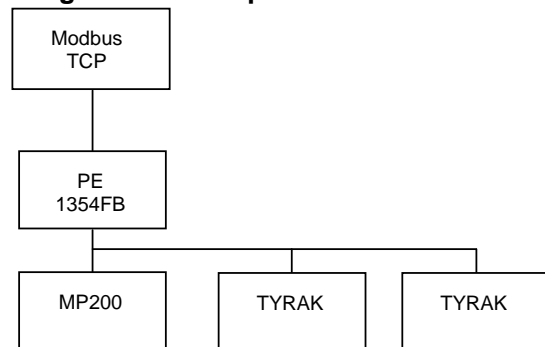
PE1354FB can operate at 10 or 100 M Bit.

Connection is done with a standard RJ45 connector.

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
8-pole RJ45	Ethernet IP connection