SIEMENS

Product Information on the Manual

Edition 03.2003

ET 200X Distributed I/O Device, Edition 02/2003

Introduction

This product information document describes the corrections and additions to the ET 200X Distributed I/O Device manual (part of the ET 200X documentation package with the order number 6ES7198-8FA01-8BA0).

Compatibility and Functional Restrictions Between Basic Modules and the Expansion Modules

There are temporary functional restrictions between basic and expansion modules due to differences in the implementation of the SIMATIC ET 200X and DESINA standards.

Until harmonization is completed, you will not be able to use certain module combinations with ECOFAST basic modules.

Basic Module	Expansion Module	Functional Restriction	Effect	Alternatives
ECOFAST basic modules: 6ES7141-1BF00-0AB0 6ES7141-1BF01-0AB0 6ES7141-1BF40-0AB0 6ES7143-1BF00-0AB0 6ES7143-1BF00-0XB0	Digital expansion modules: 6ES7141-1BF30-0XA0 6ES7141-1BD30-0XA0 Pneumatic module: 6ES7148-1DA00-0XA0	In the event of a short circuit on a connected sensor line, the short circuit is not intercepted on the expansion module or the basic module: A line failure in the 24 V supply voltage will occur if the stations are not fused individually	These three expansion modules must not be used at the moment on ECOFAST basic modules. The technology of the expansion modules is being adapted	Digital expansion modules: 6ES7141-1BF40-0XA0 6ES7141-1BF40-0XB0 6ES7141-1BF30-0XB0 6ES7141-1BF31-0XA0 6ES7141-1BD31-0XA0 Pneumatic interface: 6ES7148-1EH01-0XA0 6ES7148-1EH11-0XA0

Copyright 2001 by Siemens AG
A5E00125916-04

BM 141 DI 8 × DC 24V DIAG Basic Module (6ES7141-1BF40-0AB0)
EM 141 DI 8 × DC 24V DIAG Expansion Module (6ES7141-1BF30-0XB0)
EM 141 DI 8 × DC 24V DIAG Expansion Module (6ES7141-1BF40-0XB0)

Note

Restrictions Applying to Version 1 of the BM / EM:

- Hardware interrupts are not possible at a rising or falling edge.
- If the CPU is in STOP mode and the BM / EM detects a module error in this mode, a diagnostic interrupt is not reported for this error when the CPU changes from STOP to RUN. This error cannot be diagnosed by HWCONFIG module diagnostics either.
  Remedy: After the change from STOP to RUN, evaluate the module diagnosis using SFC 51 (SSL ID B3) and **SFC 59** (DS1). This is only possible if you have integrated the ET 200X as an S7 slave.