

Welcome to the AddFEM CD !

The version number of this AddFEM CD is: V4.0

The Readme.pdf provides important information about the installation and use of the GSD file manuals.

The content of this README is structured as follows:

1	Scope of Delivery	1
2	AddFEM Manuals	1
3	Directory Tree of the CD	2
4	GSD and Bitmap Files	2
5	Overview of the GSD Files	3

1 Scope of Delivery

AddFEM is supplied with a CD-ROM that contains:

- ◆ The Liesmich.pdf (German) and Readme.pdf (English) files
- ◆ The AddFEM manuals: PDF format, in German and English language, for all AddFEM order numbers
- ◆ Product information for older versions
- ◆ The GSD files in German and English language, for all AddFEM order numbers
- ◆ The bitmap files
- ◆ The Setup files for Acrobat Reader V4.0 (German and English version)

2 AddFEM Manuals

These AddFEM manuals are supplied in PDF format, both in German and in English language, and can be read using the Adobe Acrobat Reader. Acrobat Reader 4.0 can be installed from this CD-ROM. The setup files are found under ...\\acroRead\\Acrd4deu.exe (German) or ...\\acroRead\\Acrd4enu.exe (English).

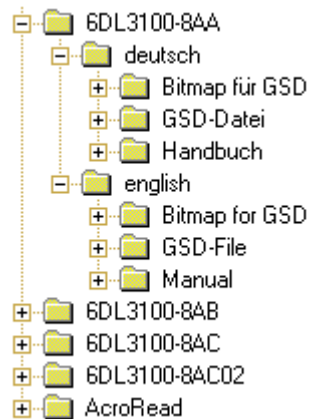
System requirements for Acrobat Reader 4.0 for Windows:

- PC with i486 or Pentium CPU
- Microsoft Windows 95/98, or Windows NT 4.0 + Service Pack 3 or later
- 8 Mbytes RAM for Windows 95/98 (recommended are 16 Mbytes)
- 16 Mbytes RAM for Windows NT (recommended are 24 Mbytes)
- 10 Mbytes of free hard disk space

3 Directory Tree of the CD

The order numbers are stored in their own separate directories, which have an identical subdirectory structure that contains the German and English GSD files, Bitmap files and the Manual folders.

Example of the 6DL3100-8AA subdirectory:



4 GSD and Bitmap Files

The GSD files SI??80A3.GSG (German) and SI??80A3.GSE (English) and the bitmap files (Addfe--n.bmp or Addfe--n.dib) must be copied to the relevant folders specified by the programming tool used (e.g. SIMATIC NCM, HW Config, ...).

Installation of the GSD and Bitmap Files:

➤ SIMATIC NCM

Copy the GSD file and the bitmap file Addfe--n.bmp to the ..\Siemens\Simatic.ncm\S7tmp folder. In SIMATIC NCM PC Config, select the "Options -> Install New GSD" command to install the relevant GSD file.

➤ HW Config

Copy the relevant GSD file and the bitmap file Addfe--n.bmp to the ..\Siemens\Step7\S7tmp folder. In HW Config: select "*Configure Hardware*", and then select the "Options -> Install New GSD" command to install the relevant GSD file.

GSD Filename Format

Filename: **SIyyXXXX.GS?**

SI = Siemens

yy = Alphanumeric identifier

(e.g. "01" = Version 01, or EM for 6DL3100-8AA/-8AB on the AddFEM CDs V1.0/V2.0/V3.0)

XXXX = PNO_ID (ID number)

.GS? = File attribute with language identifier

(.GSE = English, .GSG = German, .GSD = Default)

5 Overview of the GSD Files

- 1) Always use the GSD file from the order number folder of your AddFEM for your configuration!
- 2) New AddFEM versions are compatible with the GSD file for 6DL3100-8AA. For the purpose of maintenance and replacement, you can update AddFEM 6DL3100-8AA with the later 6DL3100-8AB/-8AC version. However, this AddFEM will only support the functions of 6DL3100-8AA (in a configuration with the GSD file of 6DL3100-8AA). To use the extended functions (e.g. FEF) of these enhanced versions, you need to update your configuration with the new GSD files.
- 3) The table below provides an overview of the GSD files on this CD (GSD file for new configurations), and of the GSD files on older CD versions (for configurations created with the old GSD file).

On this CD the GSD files for 6DL3100-8AA/-8AB are now stored under a new name, because in the past the use of the same filename for 6DL3100-8AA/-8AB has led to configuration problems; see also the note: Faulty configuration with old GSD files for 6DL3100-8AA/-8AB.

Overview of the GSD files:

Order number	Description	GSD file for new configurations	GSD file for configurations created with this file	Comments
6DL3100-8AA	AddFEM DPV0 – I/O functionality	SI0180A3.GSE (On CD "AddFEM Version V4.0")	SIEM80A3.GSE (On CD "AddFEM Version V1.0", supplied up to 02/2002)	All later AddFEMs support the functionality of this GSD file (down compatibility).
6DL3100-8AB	AddFEM DPV0 – I/O functionality - FEF acyclic parameters	SI0280A3.GSE (On CD "AddFEM Version V4.0")	SIEM80A3.GSE (On CD "AddFEM Version V2.0/V3.0", supplied up to 04/2003)	This GSD file supports the parameters for special Front-End-Functions (FEFs) by means of a cyclic message frame. This method is used only for the FEF position controllers level 1 (PoCo1). Caution: The name of the GSD file SIEM80A3.GSE on the AddFEM CD V2.0/V3.0 is identical with that of the GSD file on the AddFEM CD V1.0. This may lead to problems, see the note: Faulty configuration with old GSD files for 6DL3100-8AA/-8AB.
6DL3100-8AC	AddFEM DPV1 – I/O functionality – FEF acyclic parameters	SI0380A3.GSE (On CD "AddFEM Version V4.0")	-	This GSD file supports the DPV1 functionality of AddFEM 6DL3100-8AC. The following Front-End-Functions (FEFs) can be configured: • PoCo (8-channel position controller) • SoE (time stamping of signals)

Note: Faulty configurations with old GSD files for 6DL3100-8AA/-8AB

The GSD file SIEM80A3.GSE for 6DL3100-8AB has been enhanced with special **Front-End-Functions** (FEFs), but its name on the AddFEM CDs (A5E00075541-02/-03) is the same as that of the previous GSD file for AddFEM 6DL3100-8AA on the AddFEM CD (A5E00075541-01). Mixing these files, which have the same name but different content, can lead to problems when used under the following marginal conditions:

- ◆ A configuration was created using the GSD file SIEM80A3.GSE from the AddFEM CD Version V1.0 (A5E00075541-01).
- ◆ This configuration was changed later.
- ◆ The GSD file SIEM80A3.GSE on the AddFEM CD Version V2.0/V3.0 (A5E00075541-02/-03), which has the same name but enhanced content, was installed for the programming tool.

Error view: Because a programming menu is not available, you cannot edit the parameters of configured AddFEMs.

To correct or avoid error: Install the GSD file SIEM80A3.GSE from the AddFEM CD V1.0 for your programming tool. This GSD file is also stored on this AddFEM CD under: 6DL3100-8AA\english\GSD file\

Caution: Do not use the GSD file SIEM80A3.GSE on the AddFEM CDs V2.0/V3.0 (supplied between 02/2002 – 04/2003) anymore! For new 6DL3100-8AA configurations, use the GSD file SI0180A3.GSE, and the GSD file SI0280A3.GSE for 6DL3100-8AB.