



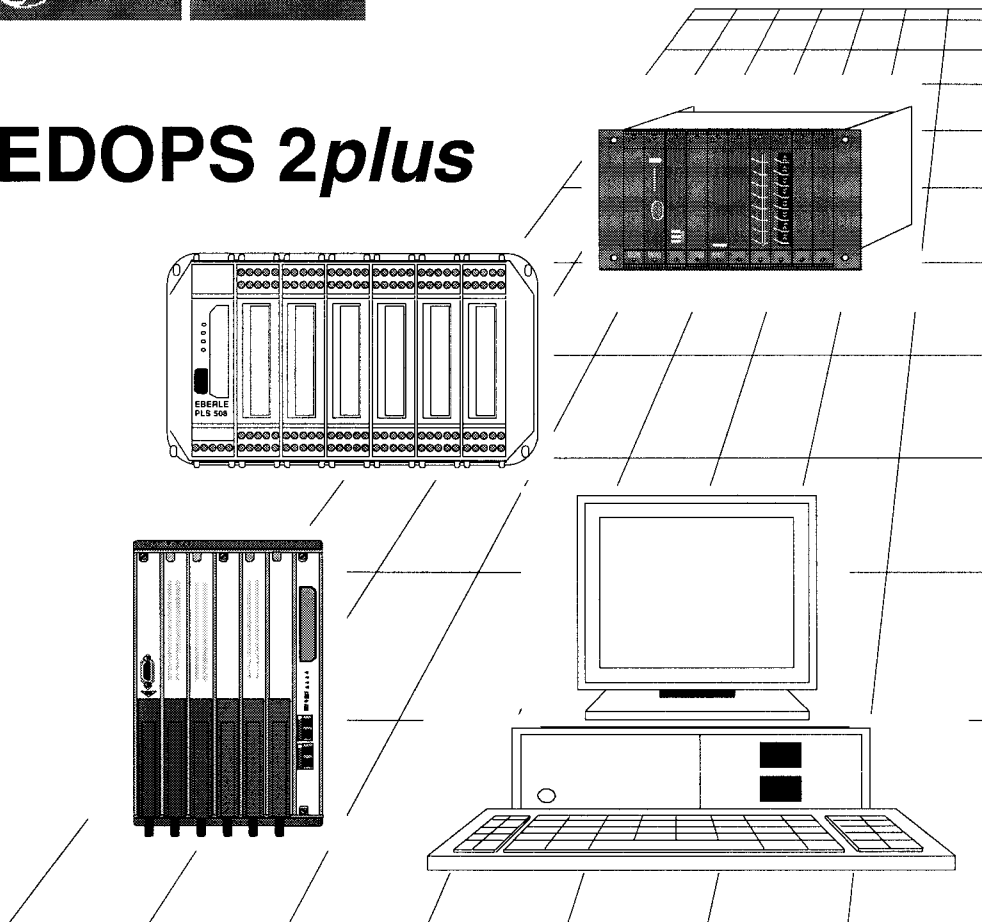
FANUC

EBERLE

EDOPS 2plus

Chapter

## EDOPS 2plus



### The Efficient Tool for Programming

- For PLS 514 (P 41, P 43), PLS 520*vario*, PLS 508, PLS 509 S and PLS 511 S
- Import of EDOPS 2 programs
- Modern programming through prepared IEC 1131 structures
- 4-language SAA user interface with context sensitive "MouseBar"
- Easy programming in IL (English/German), FBD, LD or SFC
- Multilingual approach - program comments can be exchanged easily
- Easy-to-use Diagnose tool
- Automatic addressing when using symbolic programming
- A local area network supports teamwork

This manual is subject to technical revision.

VN: 0507-9909

**GE Fanuc Eberle Automation**

Best.Nr.: 0500 95 400 001

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**Please note the following restrictions in the EDOPS 2plus version VN: 0507-9909:**

**Note:** Please also note the additional information in the "Readme" file on the EDOPS 2plus disk.

1. PLS 514: during the conversion from German into English instruction language (and vice versa) the operand types %ZK1 and %CK1 are not translated. If they are used, you have to change these operand types by hand after the conversion.
2. When importing existing PLS 508, PLS 520 or PLS 509S projects it is possible that you have time settings of 60s. These are used in Force file. However, they must be changed to the value of 1m by hand. Otherwise errors might occur while writing a Force file.
3. The Compiler version 05/05 and higher checks the sequence of declarations and their use in the operand list more thoroughly than in previous versions. It is therefore necessary that the module declaration is made before use. If, after a module declaration, markers and digits are allocated absolutely in the group instead of the symbolic group names, you will get the error message "symbolic operand already in use" if you have not switched off the point "check double identifiers and operands". It is also necessary that you exclude the markers or digits at the beginning of the Main Operand List from the automatic marker allocation which you would like to allocate absolutely in the following declaration file (retentive data).
4. In order that you can further use the mouse bar and your macros you should save the files with the extension MCR prior to the installation of version 05/07. You can simply copy the MCR-files into the directory where version 05/07 is installed.
5. With the PLS 509S it is not possible to use the diagnose mode in Ladder Diagram since the PLS 509S only sends diagnose information on Instruction List lines. You therefore have to first translate your LD program into IL and then use the IL blocks for diagnose.
6. When working with macros and function blocks in the PLS 514 make sure that you enter the constants in the set operating mode correctly. That means you may only use the constants %K0 - %K9 with decimal operating mode and the constants %K0 - %K15 with hexadecimal mode. Wrong entries cause wrong results. This can also not be corrected by the Compiler as the operating mode selection (=BIN, =DEZ) is changeable during the runtime.
7. When working with the timers in the PLS 514 EDOPS 2plus automatically switches internally to the operating mode "decimal" (=DEZ) so that you can only use the constants %K0 - %K9 (decimal) for the timers.