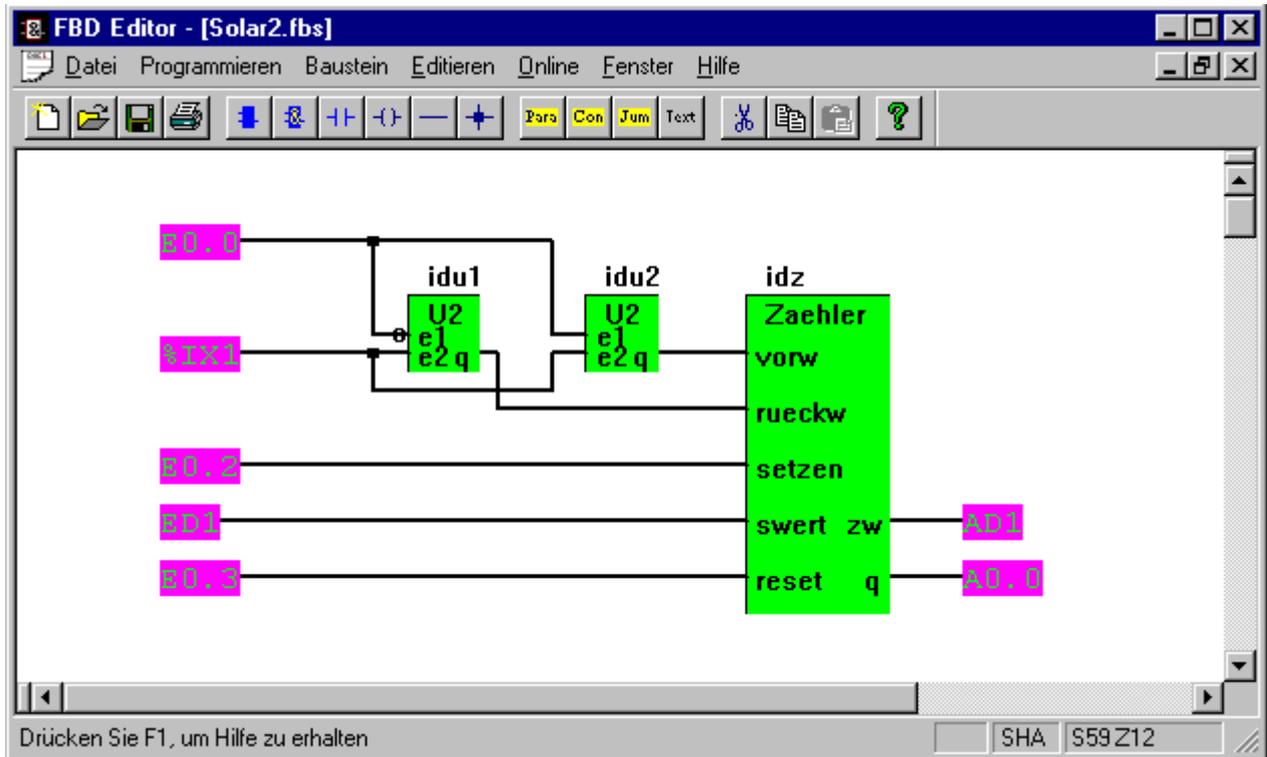


The PMS Function Block Editor

Universal Programming Studio – your complete system solution for the embedded software development

The PMS Function Block Editor enables you the IEC-61131 conform programming



1 - The user interface of the PMS Function Block Editor

The PMS Function Block Editor

The PMS Function Block and Ladder Diagram editor offers the graphical and object oriented programming of measurement and control applications in accordance with the IEC-61131 and the UML standards. Function blocks can be programmed in any of the PMS Universal Programming Studio graphical editors or in C or IL and then be „wired“ together by FBE.

FBE offers the big advantage of a target independent programming. The target hardware can be a PC/PCs, an embedded controller equipped by the RTMOS operating system or a Simatic or compatible PLC. Both interpreter and software PLCs are supported.

FBE automatically creates a C or an IL source code. In combination with PMS Universal Programming Studio a code generation and a download of target code (EXE, Intel-Hex or Motorola S-Record) to the target hardware can be accomplished. The function block diagram program can be visualized and controlled online via Ethernet, field busses, LIN and RS232 or be simulated on the PC in real time. The target software can be started and stopped in the target hardware and process data can be read and written.

The Highlights of Function Block Editor

- Full accordance with the IEC-61131 and UML standards
- Project oriented programming with the same touch and feel as in other MS-Tools
- Programming and documentation in one step
- Automatical creation of highly efficient real time C code each time you save your FB diagrams
- Simulation of FB diagrams directly in FBE
- Online emulation of FB diagrams directly in FBE via Internet, Ethernet, fieldbusses, LIN and UART
- Cut, copy and paste of FB diagram elements inside and between projects
- Unlimited undo and redo functionality
- Full flexibility and full power editing, as f.x. shift, insert and delete objects and squeeze and stretch connections
- The build-in syntax- check finds errors in the function block and marks them for a fast and easy correction
- C code and comments can be placed freely everywhere on the document
- All printing features are offered as f.x. print document, print project and print preview
- Reference list for symbolic names of standard PLC variables or other variables are offered
- Object sizes, object colors, text fonts and many other properties can be set freely
- Individually for each function block can all properties be set via dialog boxes
- User interface with menus, context menus and icons
- Up-to-date context sensitive compressed Html help with contents and indexes



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