



PROGRAM DOCUMENTATION

Particular attention has been given to the documentation capabilities of the B&R PROgramming SYStem. Comments can be written at any location in a program, in STL programs as well as in LAD/FBK/LP.

```

PRINTER MENU
Header: -----
                TEST PROGRAM
                -----
Init-String:
Pre :
Post:

Program       : J      Output-Device : FILE
Data table    : N      File name     : Mot.TXT
Label list    : N      File size     :
Header        : N      Start new page: J
Symbolic names : N      PC Character set: N
Sequence chart : N      Lines/Page   : 672 (10-255)
Ladder diagrams : N      Characters/Line : 132 (00-132)
Ladder addresses : N      Left set    : 0 (0-9)
Ladder list   : N
FBK list      : N
Ladder XREF   : N
XREF list     : N
Ladder STL    : N
    
```

The program printout already contains the complete program documentation, including cross references, symbol tables, function blocks and symbol assignments.

ORDER DATA

DESCRIPTION	MODEL NO.
German	SWPIC-0
English	SWPIC-3
Spanish	SWPIC-4
French	SWPIC-5
PROSYS Update German	SWPROSUP1C-0
PROSYS Update English	SWPROSUP1C-E

DEBUGGING

A number of powerful tools are available to aid in locating errors. The STL debugger permits single step execution of STL programs and the setting of breakpoints or trace functions. The LAD debugger displays the inverse of set contacts and superimposes active values into function blocks.

```

DEBUGGER : PROGRAM01 95.08.10 15:52 PC 00 42666 / 7
R3000 2 R3002 2 R3020 1
00853 00237 000
PROGRAM01 950810
MOD.:00/1 CP60
RAM --- U:03.20
B BRK
RUN 35
24 CMPA # 007
26 BHI A019 00075
28 LDAB X 001
30 BEQ A019 00075
32 ABA
35< CMPA 008 008 $2E01 F 000 $2DEF F 000 000
37 BHI A019 00075
39 LDAA X 001
41 STAA R 0070 FUB LENGTH 0
44 LDD X 004
46 STD R 0066 FUB SRC 0
49 LDAA X 002
    
```

Windows techniques allow the simultaneous monitoring of multiple processors.