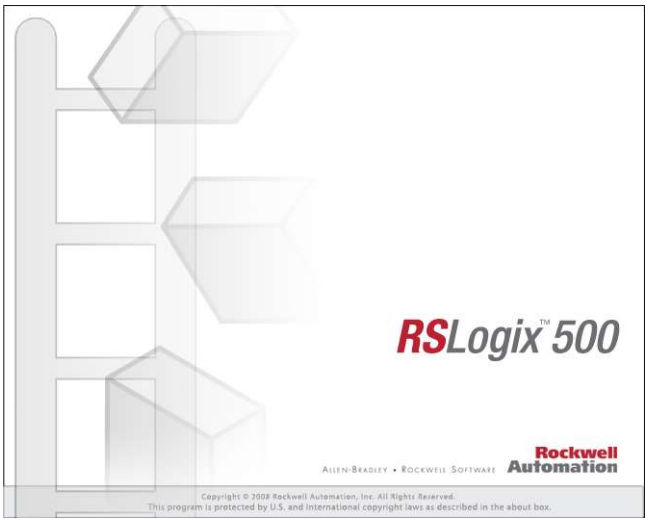
# RSLogix Micro Project Report



Processor Information

Processor Type: Bul.1763 MicroLogix 1100 Series B

Processor Name: UNTITLED

Total Memory Used: 162 Instruction Words Used - 56 Data Table Words Used

Total Memory Left: 6494 Instruction Words Left

Program Files: 5

Data Files: 9

Program ID: b7de

I/O Configuration

| | | |
|---|---|---|
| 0 | Bul.1763 | MicroLogix 1100 Series B |
| 1 | | |
| 2 | | |
| 3 | | |
| 4 | | |

Channel Configuration

CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex
   CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Edit Resource/Owner Timeout:  60
   CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Passthru Link ID:  1
   CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Write Protected:  No
   CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Comms Servicing Selection:  Yes
   CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex Message Servicing Selection:  Yes
   CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex 1st AWA Append Character:  \d
   CHANNEL 0 (SYSTEM) - Driver: DF1 Full Duplex 2nd AWA Append Character:  \a

   Source ID:  1 (decimal)
   Baud: 19200
   Parity:  NONE
   Control Line :  No Handshaking
   Error Detection:  CRC
   Embedded Responses:  Auto Detect
   Duplicate Packet Detect:  Yes
   ACK Timeout(x20 ms):  50
   NAK Retries:  3
   ENQ Retries:  3


CHANNEL 1 (SYSTEM) - Driver: Ethernet
   CHANNEL 1 (SYSTEM) - Driver: Ethernet Edit Resource/Owner Timeout:  60
   CHANNEL 1 (SYSTEM) - Driver: Ethernet Passthru Link ID:  1
   CHANNEL 1 (SYSTEM) - Driver: Ethernet Write Protected:  No
   CHANNEL 1 (SYSTEM) - Driver: Ethernet Comms Servicing Selection:  Yes
   CHANNEL 1 (SYSTEM) - Driver: Ethernet Message Servicing Selection:  Yes

   Hardware Address:  00:00:00:00:00:00
   IP Address:  0.0.0.0
   Subnet Mask:  0.0.0.0
   Gateway Address:  0.0.0.0
   Msg Connection Timeout (x 1mS):  15000
   Msg Reply Timeout (x mS):  3000
   Inactivity Timeout (x Min):  30
   Bootp Enable:  Yes
   Dhcp Enable  No
   SNMP Enable:  No
   HTTP Enable:  Yes
   Auto Negotiate Enable:  Yes
   Port Speed Enable:  10/100 Mbps Full Duplex/Half Duplex
   Contact:
   Location:

Program File List

| Name | Number | Type | Rungs | Debug | Bytes |
|---|---|---|---|---|---|
| [SYSTEM] | 0 | SYS | 0 | No | 0 |
| | 1 | SYS | 0 | No | 0 |
| MAIN | 2 | LADDER | 3 | No | 21 |
| DIGITAL IO | 3 | LADDER | 8 | No | 115 |
| CONTROLS | 4 | LADDER | 6 | No | 237 |

Data File List

| Name | Number | Type | Scope | Debug | Words | Elements | Last |
|---|---|---|---|---|---|---|---|
| OUTPUT | 0 | O | Global | No | 12 | 4 | O:3 |
| INPUT | 1 | I | Global | No | 18 | 6 | I:5 |
| STATUS | 2 | S | Global | No | 0 | 66 | S:65 |
| BINARY | 3 | B | Global | No | 2 | 2 | B3:1 |
| TIMER | 4 | T | Global | No | 15 | 5 | T4:4 |
| COUNTER | 5 | C | Global | No | 3 | 1 | C5:0 |
| CONTROL | 6 | R | Global | No | 3 | 1 | R6:0 |
| INTEGER | 7 | N | Global | No | 1 | 1 | N7:0 |
| FLOAT | 8 | F | Global | No | 2 | 1 | F8:0 |

PROJEKTBESCHREIBUNG.: In diesem Projekt geht um die automatische Nussabfüllmaschine. Die Anlage besteht aus einem Motor, einem Förderband, einem Näherungssensor, zwei Nusstrichter (Pekan- und Walnusstrichter) mti Zufuhrklappen, einem Farbsensor (erkennt rot und blau) und einem Ultraschallfüllstandsensor. Die Reihenfolge der Steuerlogik ist wie folgt:
1) Auf dem Förderband liegen die abzufüllenden Kartonverpackungen. Der Motor geht an und somit bewegt den Förderband bis der Näherungssensor die Kartonverpackung erkennt.
2) Auf der Kartonverpackung ist jeweils eine rote oder blaue Etikettierung.Der Farbsensor erkennt die Farbe und anhand dieser Farbe (rot für Pekannüsse und blau für Walnüsse) wird jeweiligen Zufuhrklappen zur Befüllung geöffnet.
3) Der Ultraschallfüllstandsensor misst ständig ,ob die Verpackung voll ist. Falls ja, die Zufuhrklappe ist geschlossen und der Förderband bewegt die befüllte Verpackung weiter.

DIGITAL IO

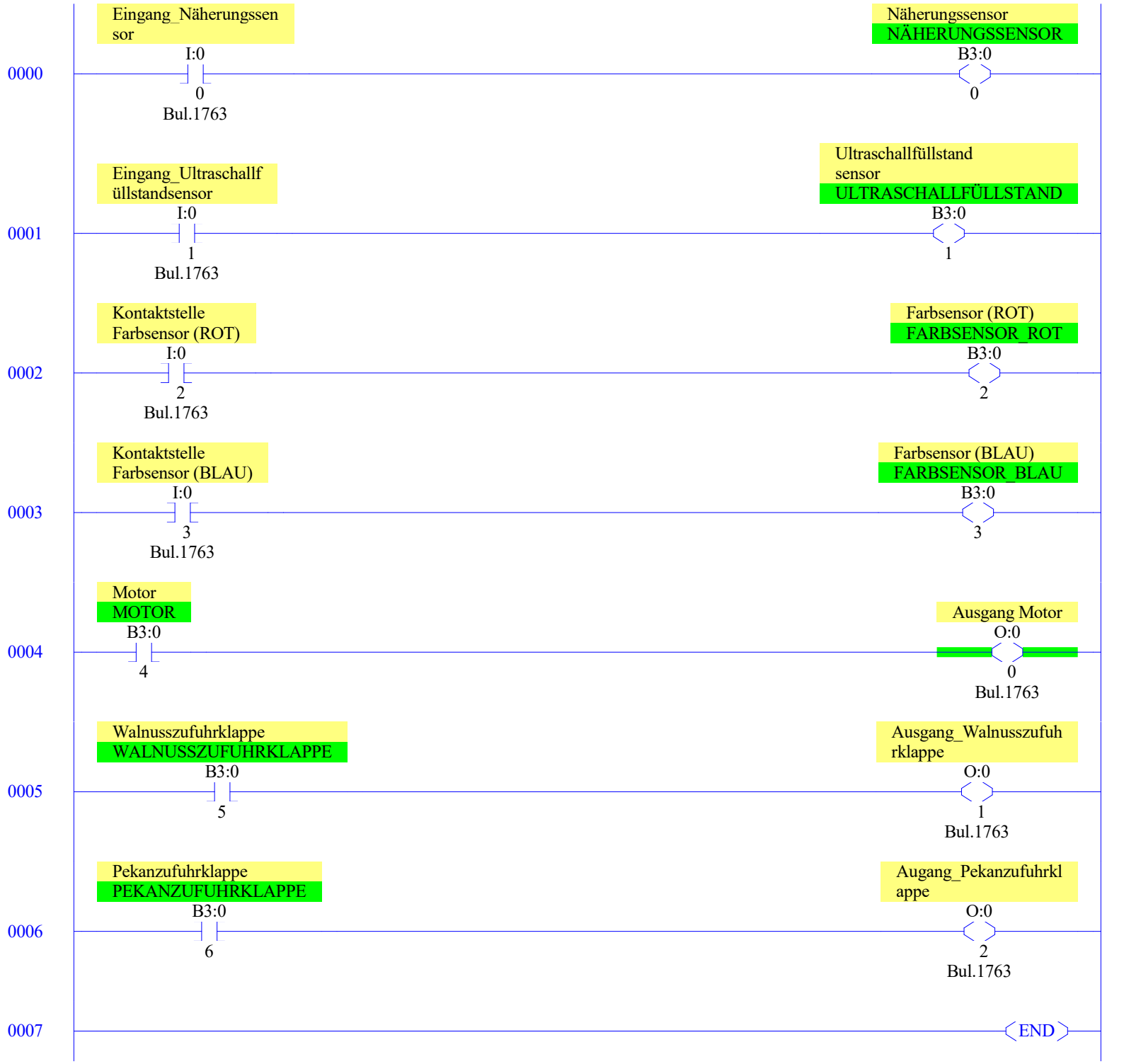
0000 JSR Jump To Subroutine, SBR File Number U:3

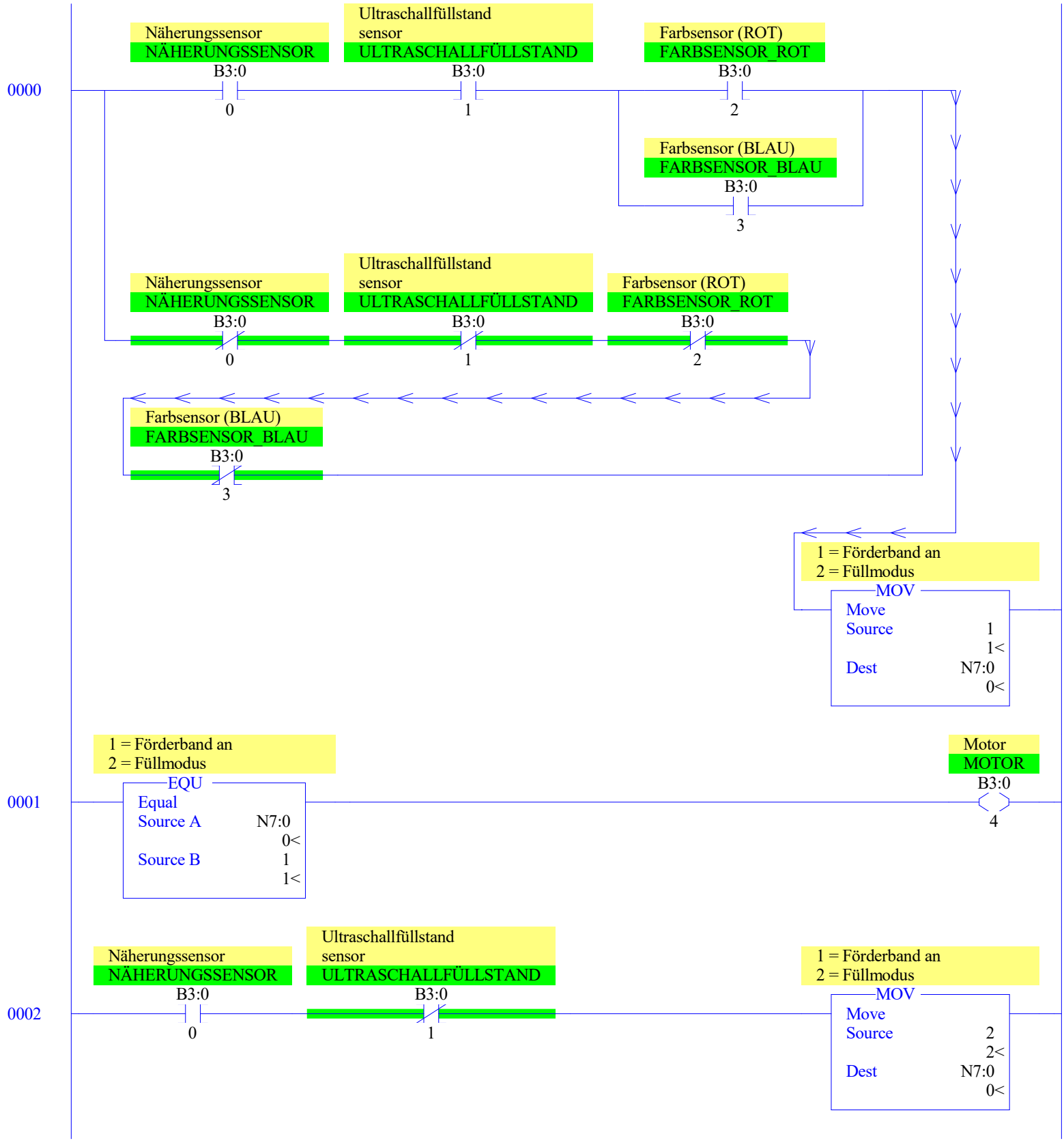
CONTROLS

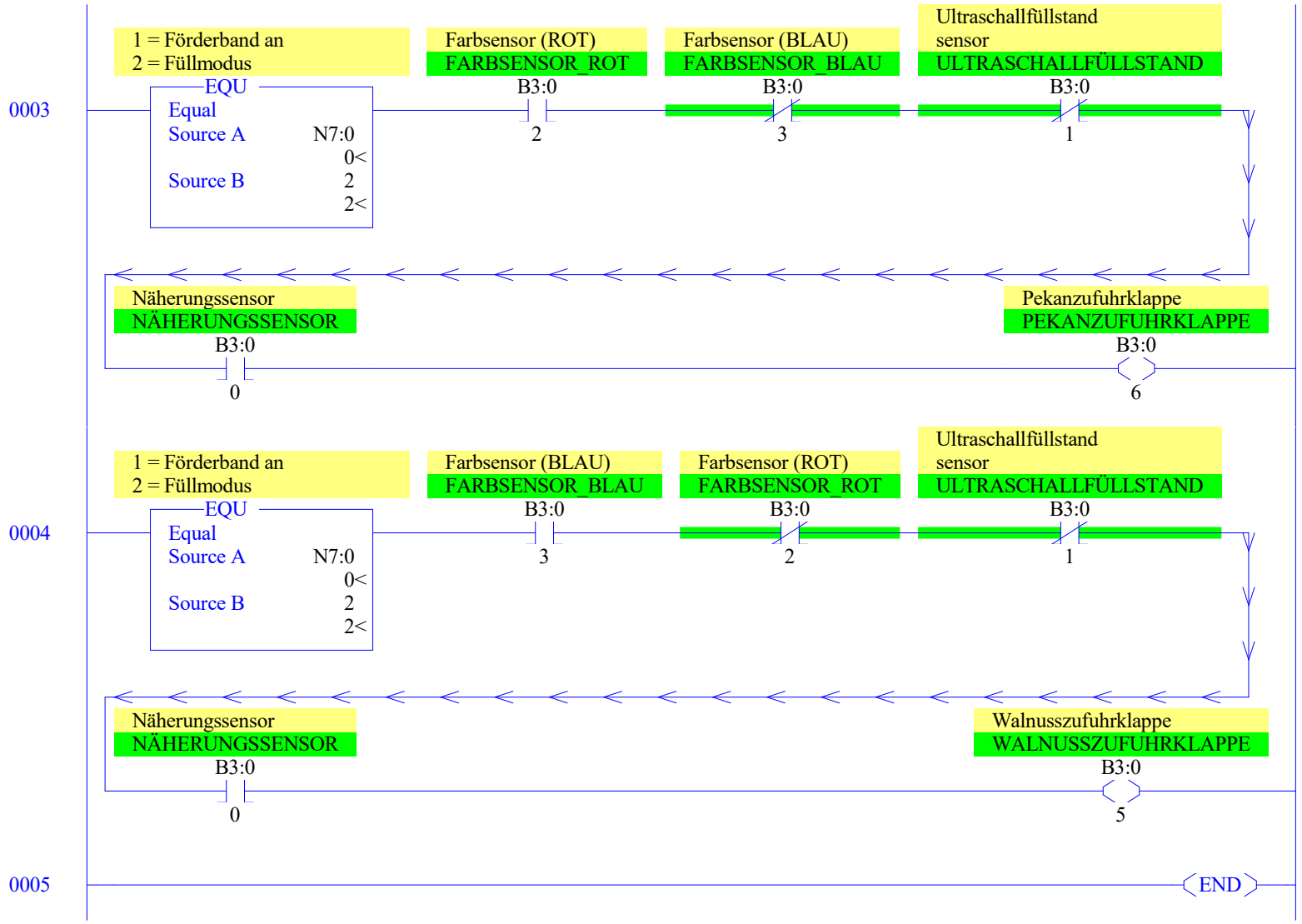
0001 JSR Jump To Subroutine, SBR File Number U:4

0002 END

LAD 3 - DIGITAL IO --- Total Rungs in File = 8




0000
Näherungssensor
NÄHERUNGSSENSOR
B3:0
0
Ultraschallfüllstand sensor
ULTRASCHALLFÜLLSTAND
B3:0
1
Farbsensor (ROT)
FARBSENSOR_ROT
B3:0
2
Farbsensor (BLAU)
FARBSENSOR_BLAU
B3:0
3
Näherungssensor
NÄHERUNGSSENSOR
B3:0
0
Ultraschallfüllstand sensor
ULTRASCHALLFÜLLSTAND
B3:0
1
Farbsensor (ROT)
FARBSENSOR_ROT
B3:0
2
Farbsensor (BLAU)
FARBSENSOR_BLAU
B3:0
3
1 = Förderband an
2 = Füllmodus
MOV
Move
Source 1
1<
Dest N7:0
0<
0001
1 = Förderband an
2 = Füllmodus
EQU
Equal
Source A N7:0
0<
Source B 1
1<
Motor
MOTOR
B3:0
4
0002
Näherungssensor
NÄHERUNGSSENSOR
B3:0
0
Ultraschallfüllstand sensor
ULTRASCHALLFÜLLSTAND
B3:0
1
1 = Förderband an
2 = Füllmodus
MOV
Move
Source 2
2<
Dest N7:0
0<


0003
1 = Förderband an
2 = Füllmodus
EQU
Equal
Source A
N7:0
0<
Source B
2
2<
Farbsensor (ROT)
FARBSENSOR_ROT
B3:0
2
Farbsensor (BLAU)
FARBSENSOR_BLAU
B3:0
3
Ultraschallfüllstand sensor
ULTRASCHALLFÜLLSTAND
B3:0
1
Näherungssensor
NÄHERUNGSSENSOR
B3:0
0
Pekanzufuhrklappe
PEKANZUFUHRKLAPPE
B3:0
6
0004
1 = Förderband an
2 = Füllmodus
EQU
Equal
Source A
N7:0
0<
Source B
2
2<
Farbsensor (BLAU)
FARBSENSOR_BLAU
B3:0
3
Farbsensor (ROT)
FARBSENSOR_ROT
B3:0
2
Ultraschallfüllstand sensor
ULTRASCHALLFÜLLSTAND
B3:0
1
Näherungssensor
NÄHERUNGSSENSOR
B3:0
0
Walnusszufuhrklappe
WALNUSSZUFUHRKLAPPE
B3:0
5
0005
END

Data File O0 (bin) -- OUTPUT

| Offset | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| O:0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | Bul.1763 | MicroLogix 1100 Series B |
| O:0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B |
| O:0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B |
| O:0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B |

Data File I1 (bin) -- INPUT

| Offset | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I:0.0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B |
| I:0.1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B |
| I:0.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B |
| I:0.3 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B |
| I:0.4 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B-Analo |
| I:0.5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | Bul.1763 | MicroLogix 1100 Series B-Analo |

**Main**

Processor Mode S:1/0 - S:1/4 = Remote Run
On Power up Go To Run (Mode Behavior) S:1/12 = 0
First Pass S:1/15 = No
Free Running Clock S:4 = 0010-1101-1111-1110

**Proc**

OS Catalog Number S:57 = 1100
OS Series S:58 = B
OS FRS S:59 =
Processor Catalog Number S:60 =
Processor Series S:61 = A
Processor FRN S:62 =
User Program Type S:63 = 8001h
Compiler Revision Number S:64 =

**Scan Times**

Maximum (x10 ms) S:22 = 20
Watchdog (x10 ms) S:3 (high byte) = 10
Last 100 uSec Scan Time S:35 = 0
Scan Toggle Bit S:33/9 = 0

**Math**

Math Overflow Selected S:2/14 = 0
Overflow Trap S:5/0 = 0
Carry S:0/0 = 0
Overflow S:0/1 = 0
Zero Bit S:0/2 = 0
Sign Bit S:0/3 = 0
Math Register (lo word) S:13 = 0
Math Register (high word) S:14-S:13 = 0
Math Register (32 Bit) S:14-S:13 = 0

**Chan 0**

Processor Mode S:1/0- S:1/4 = Remote Run
Node Address S:15 (low byte) = 0
Baud Rate S:15 (high byte) = ?
Channel Mode S:33/3 = 0
Comms Active S:33/4 = 0
Incoming Cmd Pending S:33/0 = 0
Msg Reply Pending S:33/1 = 0
Outgoing Msg Cmd Pending S:33/2 = 0

**Debug**

Suspend Code S:7 = 0
Suspend File S:8 = 0

**Errors**

Fault Override At Power Up S:1/8 = 0
Startup Protection Fault S:1/9 = 0
Major Error Halt S:1/13 = 0
Overflow Trap S:5/0 = 0
Control Register Error S:5/2 = 0
Major Error Executing User Fault Rtn. S:5/3 = 0
Battery Low S:5/11 = 0
Input Filter Selection Modified S:5/13 = 0
ASCII String Manipulation error S:5/15 = 0
Fault Routine S:29 = 0
Major Error S:6 = 0h
Error Description:

**Protection**

Deny Future Access S:1/14 = No
Data File Overwrite Protection Lost S:36/10 = False

**Mem Module**

Memory Module Loaded On Boot S:5/8 = 0
Password Mismatch S:5/9 = 0
Load Memory Module On Memory Error S:1/10 = 0
Load Memory Module Always S:1/11 = 0
On Power up Go To Run (Mode Behavior) S:1/12 = 0
Program Compare S:2/9 = 0
Data File Overwrite Protection Lost S:36/10 = 0

**Forces**

Forces Enabled S:1/5 = Yes
Forces Installed S:1/6 = No

Data File B3 (bin) -- BINARY

| Offset | 15 | 14 | 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 | (Symbol) | Description |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| B3:0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |
| B3:1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |

Data File T4 -- TIMER

| Offset | EN | TT | DN | BASE | PRE | ACC | (Symbol) Description |
|---|---|---|---|---|---|---|---|
| T4:0 | 1 | 0 | 1 | .01 sec | 10 | 10 | Motoreinschaltverzög erung |
| T4:1 | 0 | 0 | 0 | .01 sec | 10 | 0 | Motorausschaltverzög erung |
| T4:2 | 0 | 0 | 0 | .01 sec | 10 | 0 | Walnusstrichterverzö gerung |
| T4:3 | 0 | 0 | 0 | .01 sec | 10 | 0 | Befüllvorgang- Interrupt- Verzögerung |
| T4:4 | 0 | 0 | 0 | .01 sec | 10 | 0 | Pekanzufuhrklappever zögerung |

Data File C5 -- COUNTER

| Offset | CU | CD | DN | OV | UN | UA | PRE | ACC | (Symbol) | Description |
|---|---|---|---|---|---|---|---|---|---|---|
| C5:0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |

Data File R6 -- CONTROL

| Offset | EN | EU | DN | EM | ER | UL | IN | FD | LEN | POS | (Symbol) | Description |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| R6:0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | | |

Data File N7 (dec) -- INTEGER

| Offset | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| N7:0 | 0 | | | | | | | | | |

Data File F8 -- FLOAT

| Offset | 0 | 1 | 2 | 3 | 4 |
|---|---|---|---|---|---|
| F8:0 | 0 | | | | |

# Address/Symbol Database

| Address | Symbol | Scope | Description | Sym Group | Dev. Code |
|---|---|---|---|---|---|
| B3:0/0 | NÄHERUNGSSENSOR | Global | Näherungssensor | | |
| B3:0/1 | ULTRASCHALLFÜLLSTAND | Global | Ultraschallfüllstand sensor | | |
| B3:0/2 | FARBSENSOR_ROT | Global | Farbsensor (ROT) | | |
| B3:0/3 | FARBSENSOR_BLAU | Global | Farbsensor (BLAU) | | |
| B3:0/4 | MOTOR | Global | Motor | | |
| B3:0/5 | WALNUSSZUFUHRKLAPPE | Global | Walnusszufuhrklappe | | |
| B3:0/6 | PEKANZUFUHRKLAPPE | Global | Pekanzufuhrklappe | | |
| B3:0/7 | | | Motorstart-bit | | |
| B3:0/8 | | | ONS | | |
| B3:0/9 | | | Motor-Trigger | | |
| B3:0/10 | | | ONS | | |
| B3:0/11 | | | Motor-Interrupt | | |
| B3:0/12 | | | Walnusszufuhrklappe- trigger | | |
| B3:0/13 | | | ONS | | |
| B3:0/14 | | | Befüllvorgang- interrupt | | |
| B3:0/15 | | | ONS | | |
| B3:1/0 | | | Pekanzufuhrklappe- trigger | | |
| B3:1/1 | | | Motorstart-Bit | | |
| I:0/0 | | | Eingang_Näherungssen sor | | |
| I:0/1 | | | Eingang_Ultraschallf üllstandsensor | | |
| I:0/2 | | | Kontaktstelle Farbsensor (ROT) | | |
| I:0/3 | | | Kontaktstelle Farbsensor (BLAU) | | |
| N7:0 | | | 1 = Förderband an 2 = Füllmodus | | |
| N7:1 | | | | | |
| O:0/0 | | | Ausgang Motor | | |
| O:0/1 | | | Ausgang_Walnusszufuh rklappe | | |
| O:0/2 | | | Augang_Pekanzufuhrkl appe | | |
| S:0 | | | Arithmetic Flags | | |
| S:0/0 | | | Processor Arithmetic Carry Flag | | |
| S:0/1 | | | Processor Arithmetic Underflow/ Overflow Flag | | |
| S:0/2 | | | Processor Arithmetic Zero Flag | | |
| S:0/3 | | | Processor Arithmetic Sign Flag | | |
| S:1 | | | Processor Mode Status/ Control | | |
| S:1/0 | | | Processor Mode Bit 0 | | |
| S:1/1 | | | Processor Mode Bit 1 | | |
| S:1/2 | | | Processor Mode Bit 2 | | |
| S:1/3 | | | Processor Mode Bit 3 | | |
| S:1/4 | | | Processor Mode Bit 4 | | |
| S:1/5 | | | Forces Enabled | | |
| S:1/6 | | | Forces Present | | |
| S:1/7 | | | Comms Active | | |
| S:1/8 | | | Fault Override at Powerup | | |
| S:1/9 | | | Startup Protection Fault | | |
| S:1/10 | | | Load Memory Module on Memory Error | | |
| S:1/11 | | | Load Memory Module Always | | |
| S:1/12 | | | Load Memory Module and RUN | | |
| S:1/13 | | | Major Error Halted | | |
| S:1/14 | | | Access Denied | | |
| S:1/15 | | | First Pass | | |
| S:2/0 | | | STI Pending | | |
| S:2/1 | | | STI Enabled | | |
| S:2/2 | | | STI Executing | | |
| S:2/3 | | | Index Addressing File Range | | |
| S:2/4 | | | Saved with Debug Single Step | | |
| S:2/5 | | | DH-485 Incoming Command Pending | | |
| S:2/6 | | | DH-485 Message Reply Pending | | |
| S:2/7 | | | DH-485 Outgoing Message Command Pending | | |
| S:2/15 | | | Comms Servicing Selection | | |
| S:3 | | | Current Scan Time/ Watchdog Scan Time | | |
| S:4 | | | Time Base | | |
| S:5/0 | | | Overflow Trap | | |
| S:5/2 | | | Control Register Error | | |
| S:5/3 | | | Major Err Detected Executing UserFault Routine | | |
| S:5/4 | | | M0-M1 Referenced on Disabled Slot | | |
| S:5/8 | | | Memory Module Boot | | |
| S:5/9 | | | Memory Module Password Mismatch | | |
| S:5/10 | | | STI Overflow | | |
| S:5/11 | | | Battery Low | | |
| S:6 | | | Major Error Fault Code | | |
| S:7 | | | Suspend Code | | |
| S:8 | | | Suspend File | | |
| S:9 | | | Active Nodes | | |
| S:10 | | | Active Nodes | | |
| S:11 | | | I/O Slot Enables | | |
| S:12 | | | I/O Slot Enables | | |
| S:13 | | | Math Register | | |
| S:14 | | | Math Register | | |
| S:15 | | | Node Address/ Baud Rate | | |
| S:16 | | | Debug Single Step Rung | | |
| S:17 | | | Debug Single Step File | | |
| S:18 | | | Debug Single Step Breakpoint Rung | | |
| S:19 | | | Debug Single Step Breakpoint File | | |
| S:20 | | | Debug Fault/ Powerdown Rung | | |
| S:21 | | | Debug Fault/ Powerdown File | | |
| S:22 | | | Maximum Observed Scan Time | | |
| S:23 | | | Average Scan Time | | |
| S:24 | | | Index Register | | |
| S:25 | | | I/O Interrupt Pending | | |
| S:26 | | | I/O Interrupt Pending | | |
| S:27 | | | I/O Interrupt Enabled | | |

Address/Symbol Database

| Address | Symbol | Scope | Description | Sym Group | Dev. Code |
|---|---|---|---|---|---|
| S:28 | | | I/O Interrupt Enabled | | |
| S:29 | | | User Fault Routine File Number | | |
| S:30 | | | STI Setpoint | | |
| S:31 | | | STI File Number | | |
| S:32 | | | I/O Interrupt Executing | | |
| S:33 | | | Extended Proc Status Control Word | | |
| S:33/0 | | | Incoming Command Pending | | |
| S:33/1 | | | Message Reply Pending | | |
| S:33/2 | | | Outgoing Message Command Pending | | |
| S:33/3 | | | Selection Status User/DF1 | | |
| S:33/4 | | | Communicat Active | | |
| S:33/5 | | | Communicat Servicing Selection | | |
| S:33/6 | | | Message Servicing Selection Channel 0 | | |
| S:33/7 | | | Message Servicing Selection Channel 1 | | |
| S:33/8 | | | Interrupt Latency Control Flag | | |
| S:33/9 | | | Scan Toggle Flag | | |
| S:33/10 | | | Discrete Input Interrupt Reconfigur Flag | | |
| S:33/11 | | | Online Edit Status | | |
| S:33/12 | | | Online Edit Status | | |
| S:33/13 | | | Scan Time Timebase Selection | | |
| S:33/14 | | | DTR Control Bit | | |
| S:33/15 | | | DTR Force Bit | | |
| S:34 | | | Pass-thru Disabled | | |
| S:34/0 | | | Pass-Thru Disabled Flag | | |
| S:34/1 | | | DH+ Active Node Table Enable Flag | | |
| S:34/2 | | | Floating Point Math Flag Disable,Fl | | |
| S:35 | | | Last 1 ms Scan Time | | |
| S:36 | | | Extended Minor Error Bits | | |
| S:36/8 | | | DII Lost | | |
| S:36/9 | | | STI Lost | | |
| S:36/10 | | | Memory Module Data File Overwrite Protection | | |
| S:37 | | | Clock Calendar Year | | |
| S:38 | | | Clock Calendar Month | | |
| S:39 | | | Clock Calendar Day | | |
| S:40 | | | Clock Calendar Hours | | |
| S:41 | | | Clock Calendar Minutes | | |
| S:42 | | | Clock Calendar Seconds | | |
| S:43 | | | STI Interrupt Time | | |
| S:44 | | | I/O Event Interrupt Time | | |
| S:45 | | | DII Interrupt Time | | |
| S:46 | | | Discrete Input Interrupt- File Number | | |
| S:47 | | | Discrete Input Interrupt- Slot Number | | |
| S:48 | | | Discrete Input Interrupt- Bit Mask | | |
| S:49 | | | Discrete Input Interrupt- Compare Value | | |
| S:50 | | | Processor Catalog Number | | |
| S:51 | | | Discrete Input Interrupt- Return Number | | |
| S:52 | | | Discrete Input Interrupt- Accumulat | | |
| S:53 | | | Reserved/ Clock Calendar Day of the Week | | |
| S:55 | | | Last DII Scan Time | | |
| S:56 | | | Maximum Observed DII Scan Time | | |
| S:57 | | | Operating System Catalog Number | | |
| S:58 | | | Operating System Series | | |
| S:59 | | | Operating System FRN | | |
| S:61 | | | Processor Series | | |
| S:62 | | | Processor Revision | | |
| S:63 | | | User Program Type | | |
| S:64 | | | User Program Functional Index | | |
| S:65 | | | User RAM Size | | |
| S:66 | | | Flash EEPROM Size | | |
| S:67 | | | Channel 0 Active Nodes | | |
| S:68 | | | Channel 0 Active Nodes | | |
| S:69 | | | Channel 0 Active Nodes | | |
| S:70 | | | Channel 0 Active Nodes | | |
| S:71 | | | Channel 0 Active Nodes | | |
| S:72 | | | Channel 0 Active Nodes | | |
| S:73 | | | Channel 0 Active Nodes | | |
| S:74 | | | Channel 0 Active Nodes | | |
| S:75 | | | Channel 0 Active Nodes | | |
| S:76 | | | Channel 0 Active Nodes | | |
| S:77 | | | Channel 0 Active Nodes | | |
| S:78 | | | Channel 0 Active Nodes | | |
| S:79 | | | Channel 0 Active Nodes | | |
| S:80 | | | Channel 0 Active Nodes | | |
| S:81 | | | Channel 0 Active Nodes | | |
| S:82 | | | Channel 0 Active Nodes | | |
| S:83 | | | DH+ Active Nodes | | |
| S:84 | | | DH+ Active Nodes | | |
| S:85 | | | DH+ Active Nodes | | |
| S:86 | | | DH+ Active Nodes | | |
| T4:0 | | | Motoreinschaltverzög erung | | |
| T4:1 | | | Motorausschaltverzög erung | | |
| T4:2 | | | Walnusstrichterverzö gerung | | |
| T4:2/DN | | | | | |
| T4:3 | | | Befüllvorgang- Interrupt- Verzögerung | | |
| T4:3/DN | | | | | |
| T4:4 | | | Pekanzufuhrklappever zögerung | | |
| T4:4/DN | | | | | |
| U:3 | | | DIGITAL IO | | |
| U:4 | | | CONTROLS | | |

Instruction Comment Database

| Address | Instruction | Description |
| --- | --- | --- |

Symbol Group Database

Group_Name  Description