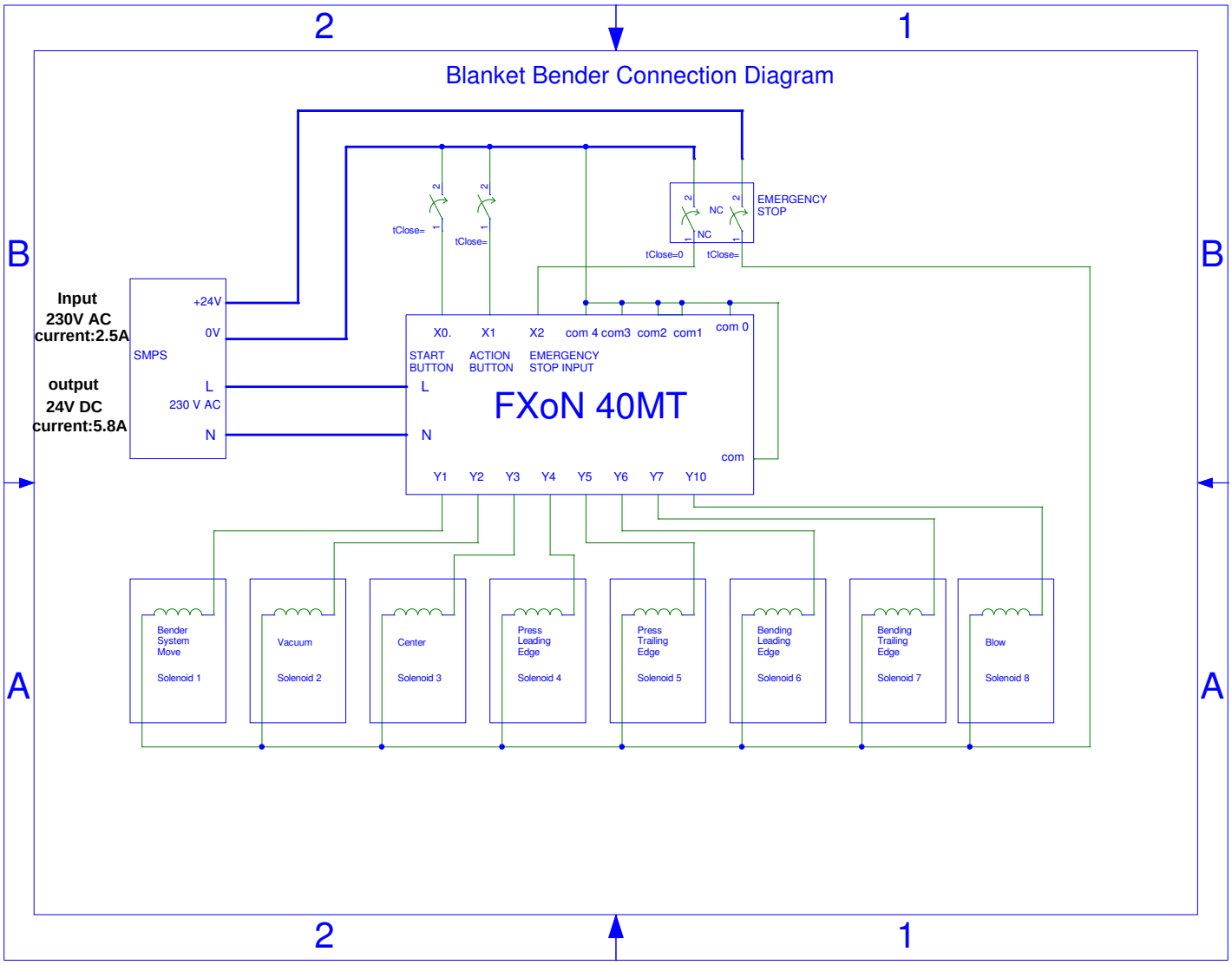
Blanket Bender Documentation

Contents

PLC connection diagram:



PLC Specification:

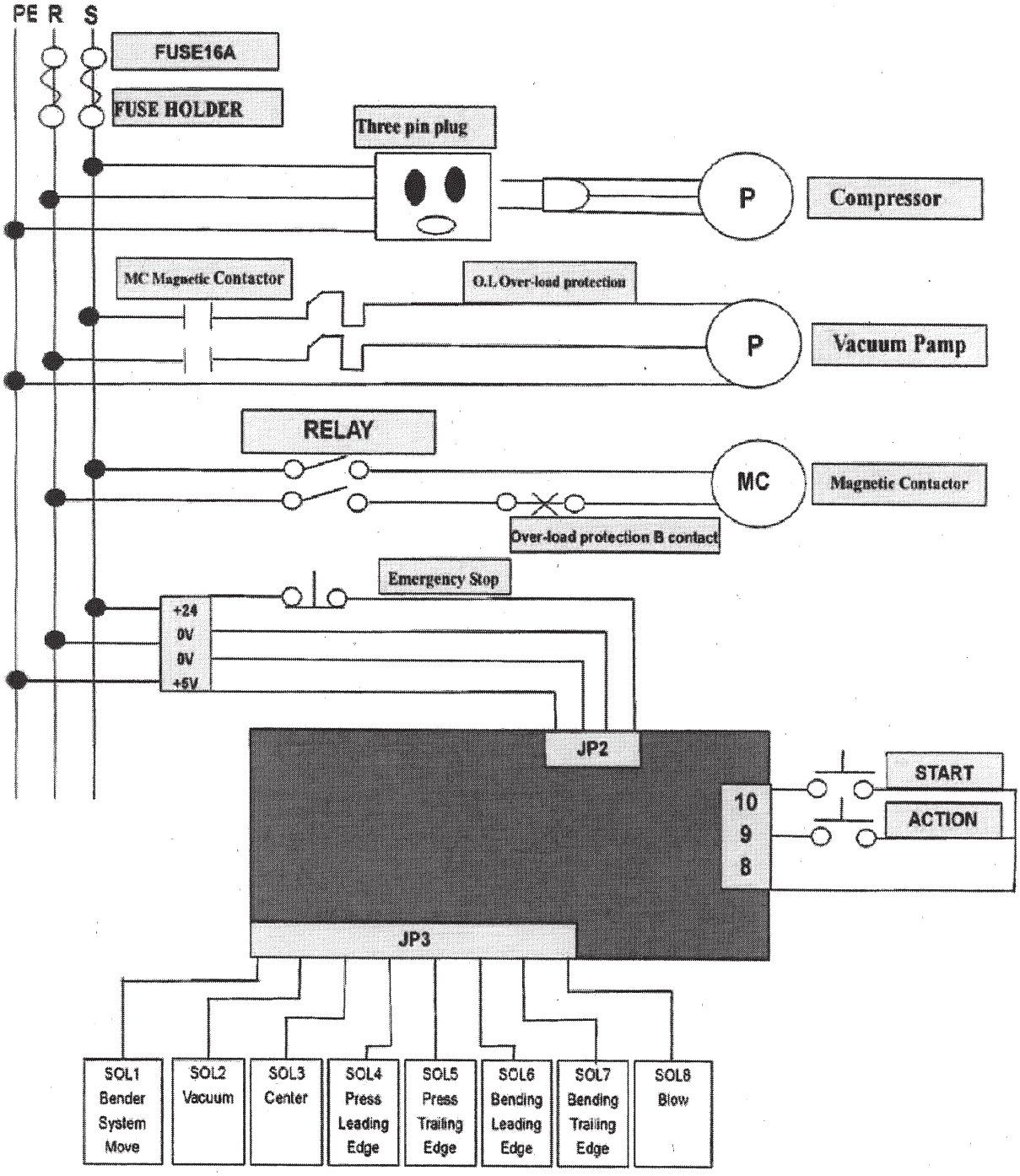
Table: 1.1 **AC base units** | **Appareils de base en CA** | **AC-Grundgeräte** | **Apparecchi base AC** | **Unidades base CA**

MODEL	OUTPUT TYPE			INPUTS		POWER SUPPLY	DIMENSIONS mm(inch) see Figure 1.1			WEIGHT kg (lbs)
	RELAY	TRANSISTOR	QTY	QTY	TYPE					
FX0-14	MR-ES/UL	MT-E/UL (SINK)	6	8	24V DC SINK /SOURCE (-E/UL: SINK)	100 - 240V AC +10%, -15%, 50/60 Hz	100(3.9)	80(3.1)	75(3.0)	0.35(0.77)
FX0-20			8	12			130(5.1)			0.40(0.88)
FX0-30			14	16			170(6.7)			0.45(0.99)
FX0N-24			10	14			130(5.1)	90(3.5)	87(3.4)	0.60(1.32)
FX0N-40			16	24			150(5.9)			0.75(1.65)
FX0N-60			24	36			185(7.3)			0.90 (1.98)
FX0N-40	MR-UA1/UL		16	24	AC 110V		185(7.3)			0.90 (1.98)

Table: 1.2 **DC base units** | **Appareils de base en CC** | **DC-Grundgeräte** | **Apparecchi base DC** | **Unidades base CC**

MODEL	OUTPUT TYPE			INPUTS 24V DC		POWER SUPPLY	DIMENSIONS mm(inch) see Figure 1.1			WEIGHT kg (lbs)
	RELAY	TRANSISTOR	QTY	QTY	TYPE					
FX0-14	MR-DS	MT-DSS (SOURCE)	6	8	SINK /SOURCE	24V DC + 10%, - 15%	100(3.9)	80(3.1)	47(1.9)	0.3 (0.66)
FX0-20			8	12			130(5.1)			0.35 (0.77)
FX0-30			14	16			170(6.7)			0.40(0.88)
FX0N-24			10	14		24V DC + 20%, - 15%	130(5.1)	90(3.5)	87(3.4)	0.60(1.32)
FX0N-40			16	24			150(5.9)			0.75(1.65)
FX0N-60			24	36			185(7.3)			0.90(1.98)
FX0-14		MT-D/E (SINK)	6	8	SINK	24V DC + 10%, - 15%	100(3.9)	80(3.1)	47(1.9)	0.3 (0.66)
FX0-20			8	12			130(5.1)			0.35 (0.77)
FX0-30			14	16			170(6.7)			0.40(0.88)

Blanket Bender Overview



PLC Ladder Diagram:

Drive/path	C:\Users\10868\Desktop
Project name	blanket bender backup 05.03.18
Title	

Data name	Size	Creation date	Title
+ Program			
└──── MAIN	5KB	2018/ 3/ 9 8:36:00	
+ Device comment			
└──── COMMENT	1KB	2018/ 3/ 9 8:36:00	
+ Device memory			
└──── MAIN	17KB	2018/ 3/ 9 8:36:00	
+ Parameter			
└──── PLC parameter		2018/ 3/ 9 8:36:00	

PLC name set

Title	[ ]

Mem capcty set

1	Memory size	[2000]
2	Program size	[2000]step
3	Comment size	[0]block [0]pt
4	File register	[0]block [0]pt

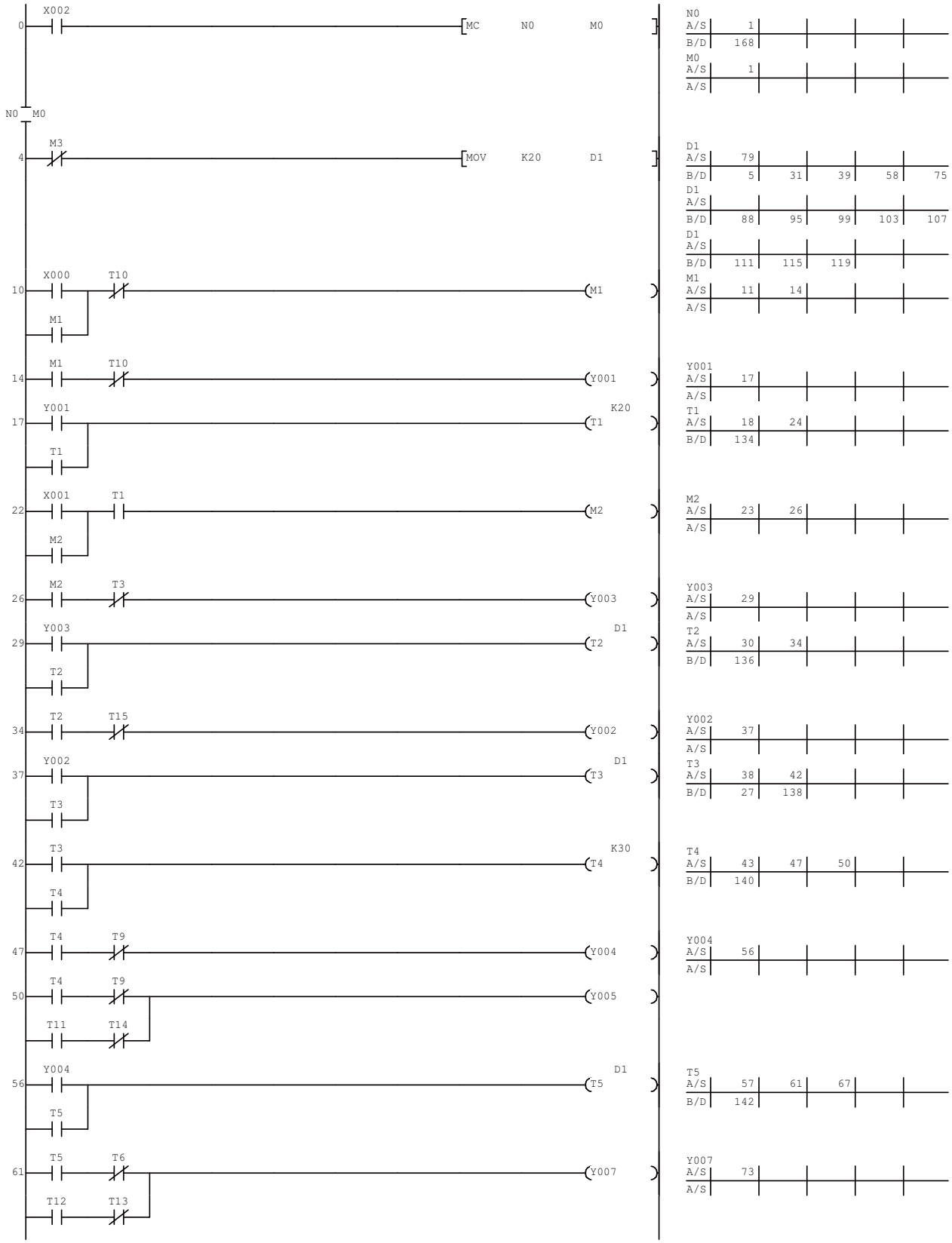
I/O set

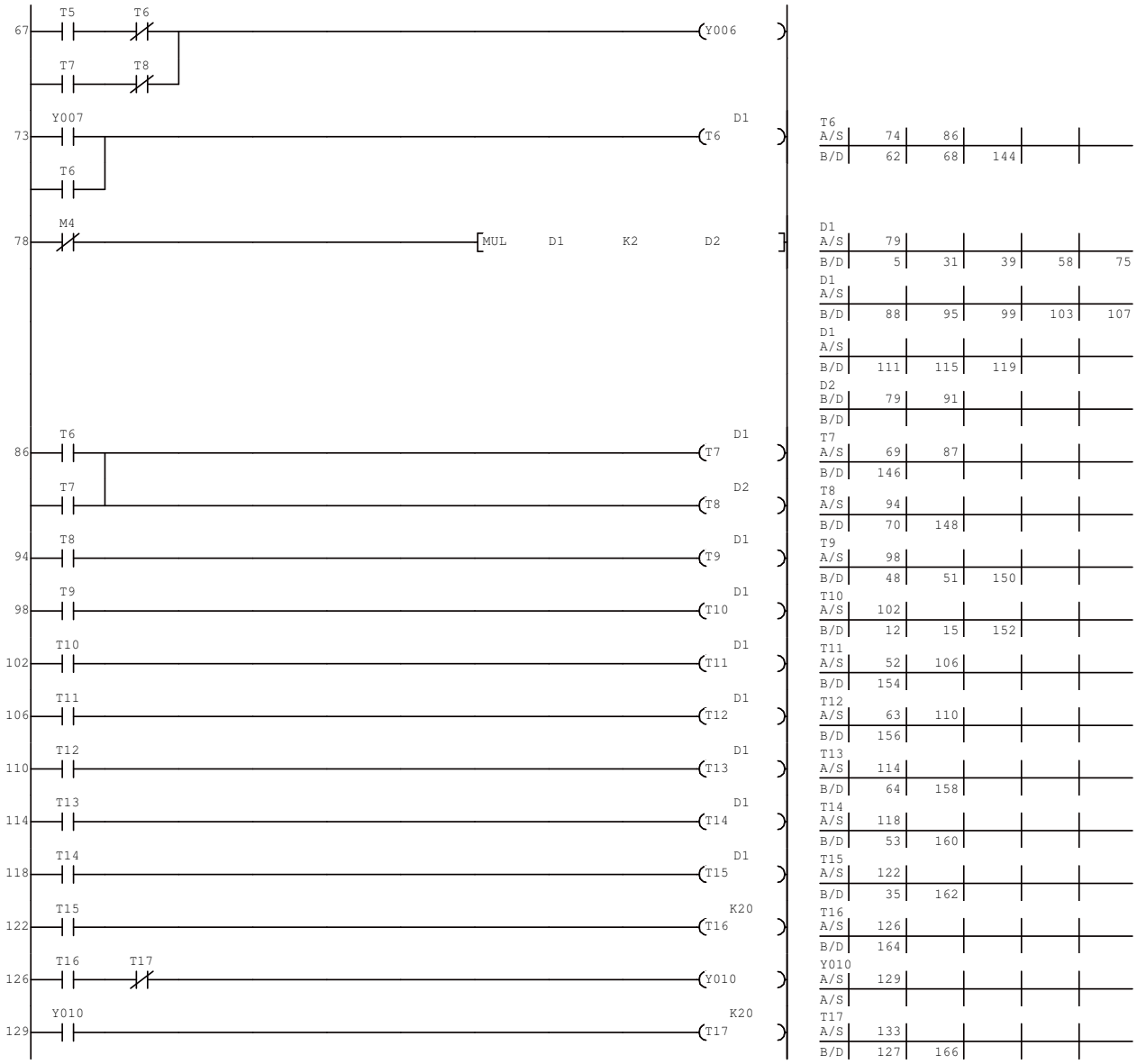
Device name	Sym	Device pt	Device range
Input relay	X	[128]pt	[000]--[177]
Output relay	Y	[128]pt	[000]--[177]

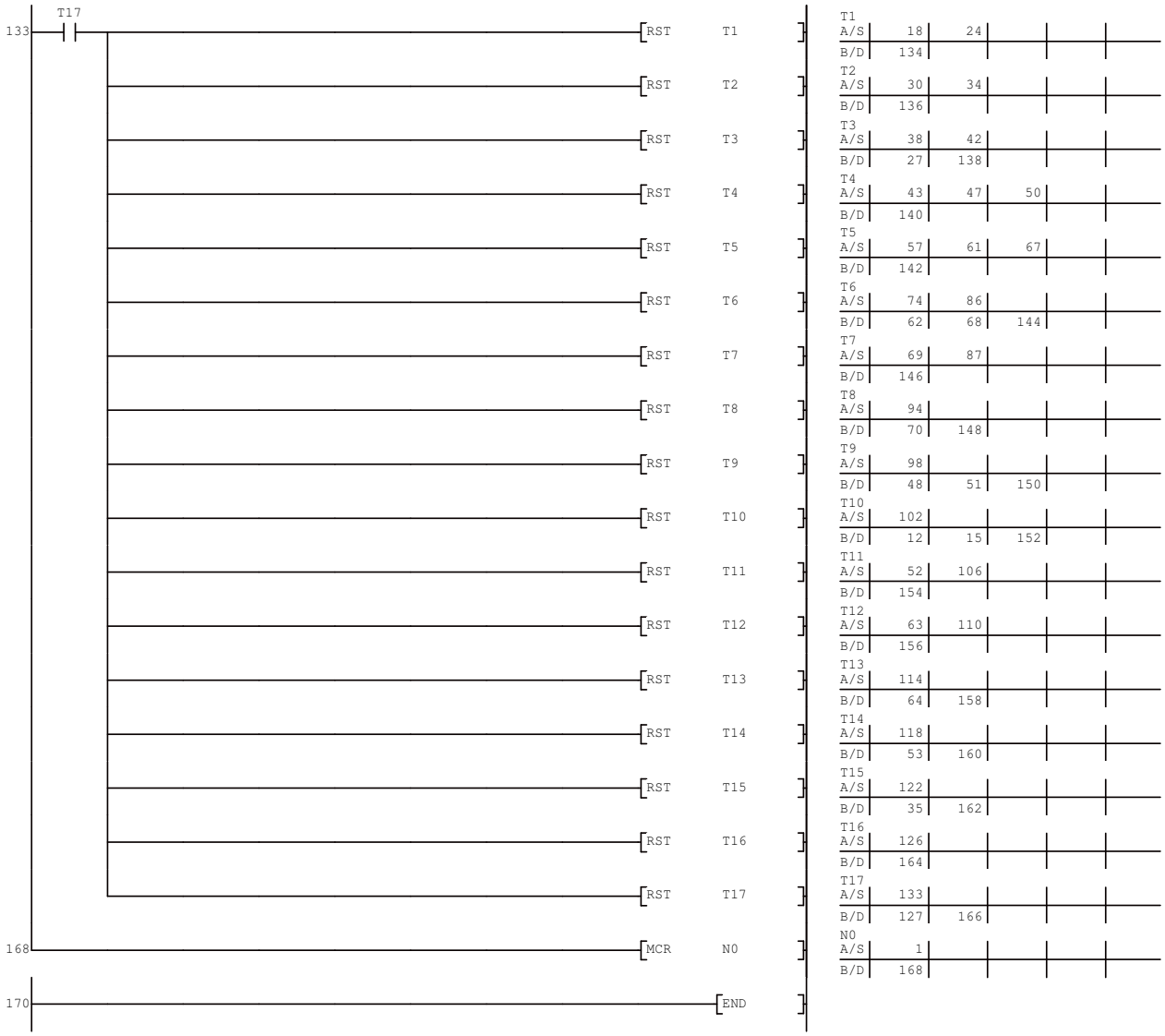
Device use list

Device use program name : MAIN

Device	Use/Not use	No.	Unpaired
X000	─┤ ├─	0	
X001	─┤ ├─	0	
X002	─┤ ├─	0	
Y001	─┤ ├─ ─( )─	1	
Y002	─┤ ├─ ─( )─	1	
Y003	─┤ ├─ ─( )─	1	
Y004	─┤ ├─ ─( )─	1	
Y005	─( )─	1	ERROR
Y006	─( )─	1	ERROR
Y007	─┤ ├─ ─( )─	1	
Y010	─┤ ├─ ─( )─	1	
M0	─( )─	1	ERROR
M1	─┤ ├─ ─( )─	1	
M2	─┤ ├─ ─( )─	1	
M3	─┤ ├─	0	ERROR
M4	─┤ ├─	0	ERROR
T1	─┤ ├─ ─( )─	2	
T2	─┤ ├─ ─( )─	2	
T3	─┤ ├─ ─( )─	2	
T4	─┤ ├─ ─( )─	2	
T5	─┤ ├─ ─( )─	2	
T6	─┤ ├─ ─( )─	2	
T7	─┤ ├─ ─( )─	2	
T8	─┤ ├─ ─( )─	2	
T9	─┤ ├─ ─( )─	2	
T10	─┤ ├─ ─( )─	2	
T11	─┤ ├─ ─( )─	2	
T12	─┤ ├─ ─( )─	2	
T13	─┤ ├─ ─( )─	2	
T14	─┤ ├─ ─( )─	2	
T15	─┤ ├─ ─( )─	2	
T16	─┤ ├─ ─( )─	2	
T17	─┤ ├─ ─( )─	2	
D1	─┤ ├─ ─( )─	1	
D2	─┤ ├─ ─( )─	1	
D3	─( )─	1	ERROR
N0	─┤ ├─	0	ERROR


X002
0
MC N0 M0
N0 M0
M3
4
MOV K20 D1
X000 T10
10
M1
M1
M1 T10
14
Y001
Y001
17
K20
T1
T1
X001 T1
22
M2
M2
M2 T3
26
Y003
Y003
29
D1
T2
T2
T2 T15
34
Y002
Y002
37
D1
T3
T3
T3
42
K30
T4
T4
T4 T9
47
Y004
T4 T9
50
Y005
T11 T14
Y004
56
D1
T5
T5
T5 T6
61
Y007
T12 T13
N0
A/S 1
B/D 168
M0
A/S 1
A/S
D1
A/S 79
B/D 5 31 39 58 75
D1
A/S
B/D 88 95 99 103 107
D1
A/S
B/D 111 115 119
M1
A/S 11 14
A/S
Y001
A/S 17
A/S
T1
A/S 18 24
B/D 134
M2
A/S 23 26
A/S
Y003
A/S 29
A/S
T2
A/S 30 34
B/D 136
Y002
A/S 37
A/S
T3
A/S 38 42
B/D 27 138
T4
A/S 43 47 50
B/D 140
Y004
A/S 56
A/S
T5
A/S 57 61 67
B/D 142
Y007
A/S 73
A/S


67 T5 T6 Y006
T7 T8
73 Y007 D1 T6
T6
78 M4 MUL D1 K2 D2
86 T6 D1 T7
T7 D2 T8
94 T8 D1 T9
98 T9 D1 T10
102 T10 D1 T11
106 T11 D1 T12
110 T12 D1 T13
114 T13 D1 T14
118 T14 D1 T15
122 T15 K20 T16
126 T16 T17 Y010
129 Y010 K20 T17
T6 A/S 74 86 B/D 62 68 144
D1 A/S 79 B/D 5 31 39 58 75
D1 A/S B/D 88 95 99 103 107
D1 A/S B/D 111 115 119
D2 B/D 79 91 B/D
T7 A/S 69 87 B/D 146
T8 A/S 94 B/D 70 148
T9 A/S 98 B/D 48 51 150
T10 A/S 102 B/D 12 15 152
T11 A/S 52 106 B/D 154
T12 A/S 63 110 B/D 156
T13 A/S 114 B/D 64 158
T14 A/S 118 B/D 53 160
T15 A/S 122 B/D 35 162
T16 A/S 126 B/D 164
Y010 A/S 129 A/S
T17 A/S 133 B/D 127 166


T17
133
RST T1
RST T2
RST T3
RST T4
RST T5
RST T6
RST T7
RST T8
RST T9
RST T10
RST T11
RST T12
RST T13
RST T14
RST T15
RST T16
RST T17
168
MCR N0
170
END
T1 A/S 18 24 B/D 134
T2 A/S 30 34 B/D 136
T3 A/S 38 42 B/D 27 138
T4 A/S 43 47 50 B/D 140
T5 A/S 57 61 67 B/D 142
T6 A/S 74 86 B/D 62 68 144
T7 A/S 69 87 B/D 146
T8 A/S 94 B/D 70 148
T9 A/S 98 B/D 48 51 150
T10 A/S 102 B/D 12 15 152
T11 A/S 52 106 B/D 154
T12 A/S 63 110 B/D 156
T13 A/S 114 B/D 64 158
T14 A/S 118 B/D 53 160
T15 A/S 122 B/D 35 162
T16 A/S 126 B/D 164
T17 A/S 133 B/D 127 166
N0 A/S 1 B/D 168