

OB1 - <offline>

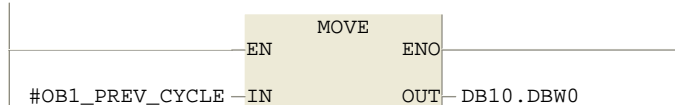
"View all Blocks"

Name: BLOCKS **Family:** EXECUTE
Author: JSN **Version:** 0.0
 Block version: 2
Time stamp Code: 06.09.2002 13.34.58
 Interface: 06.09.2002 17.08.43
Lengths (block/logic/data): 03788 03606 00052

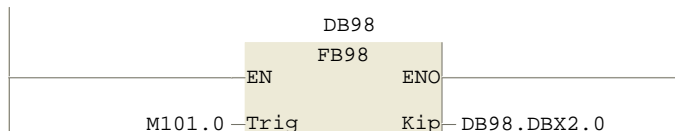
Name	Data Type	Initial Value	Comment
TEMP			
OB1_EV_CLASS	Byte		Bits 0-3 = 1 (Coming event), Bits 4-7 = 1 (Event class 1)
OB1_SCAN_1	Byte		1 (Cold restart scan 1 of OB 1), 3 (Scan 2-n of OB 1)
OB1_PRIORITY	Byte		1 (Priority of 1 is lowest)
OB1_OB_NUMBR	Byte		1 (Organization block 1, OB1)
OB1_RESERVED_1	Byte		Reserved for system
OB1_RESERVED_2	Byte		Reserved for system
OB1_PREV_CYCLE	Int		Cycle time of previous OB1 scan (milliseconds)
OB1_MIN_CYCLE	Int		Minimum cycle time of OB1 (milliseconds)
OB1_MAX_CYCLE	Int		Maximum cycle time of OB1 (milliseconds)
OB1_DATE_TIME	Date_And_Time		Date and time OB1 started
Temp_REAL	Real		For test.
Temp_INT	Int		For test.

Block: OB1 Show all blocks.

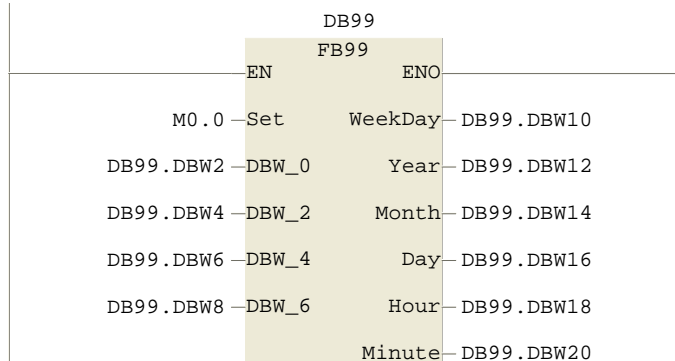
Network: 1 Move Cycletime to become a global data.



Network: 2 Button: Change status between 0 and 1 every time [Trig] = 0-1

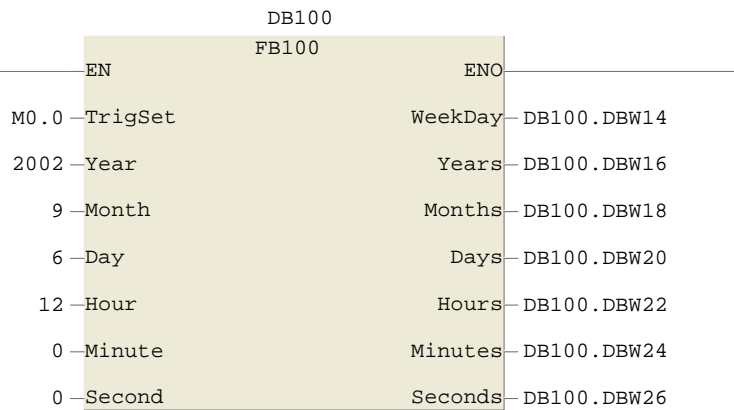


Network: 3 DATE/TIME from Moeller TouchScreen into the PLC-Clock.

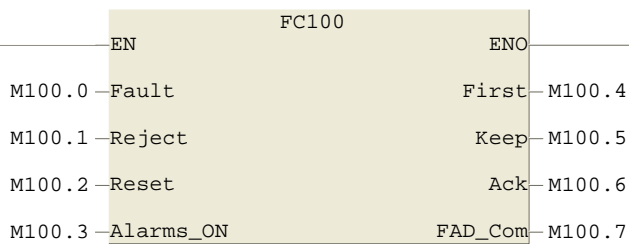


Second DB99.DBW22

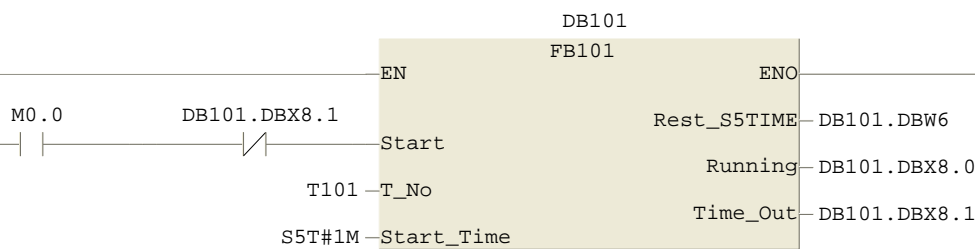
Network: 4 REAL-TIME Splitter and setting DATE/TIME in the PLC.



Network: 5 First Alarm Detector (FAD) Alarmblock (Not Protected).



Network: 6 Timehold-Continue to be used as e.g. a Hourcounter.



Network: 7 Flasher with different ON-Time and OFF-Time.

FC101	
EN	ENO
M0.0 - ON	FLASH - M101.0
S5T#3S - ON_Time	
T99 - T_ON	
S5T#6S - OFF_Time	
T100 - T_OFF	

Network: 8 ON-DELAY Timer, where H.M.S can be set from a Touchscreen.

DB102		FB102	
EN			ENO
M0.0 - TrigSet		Running	DB102.DBX10.0
M0.1 - StartTimer		Time_Out	DB102.DBX10.1
T102 - T_No		Rest_Sec	DB102.DBW12
0 - Hour		Hours	DB102.DBW14
1 - Minute		Minutes	DB102.DBW16
0 - Second		Seconds	DB102.DBW18

Network: 9 ON-DELAY Timer to be set from a Touchscreen (1-9990 Sec.)

FC102	
EN	ENO
M0.0 - Start	Rest_Sec - DB10.DBW2
T103 - T_No	Running - M102.0
60 - Seconds	Time_Out - M102.1

Network: 10 Downcounter to zero from max. +32767

FC103	
EN	ENO
M0.0 - Start	Running - M103.1
M104.0 - Trig	Done - M103.2
60 - StartValue	
DB10.DBW4 - RestValue	

Network: 11 Make One Shot every S5T#<TIME>.

FC104	
EN	ENO
T104 -Timer_No	Shot -M104.0
S5T#5S -S5T_Time	

Network: 12 INT to REAL-format.

FC105	
EN	ENO
DB10.DBW6 -DBW_INT	DBD_REAL -DB12.DBDO

Network: 13 REAL to INT-format.

FC106	
EN	ENO
DB121.DBDO2 -DBD_REAL	DBW_INT -DB10.DBW6

Network: 14 8 Status Bits into a Byte (e.g. for Communication purpose).

FC108	
EN	ENO
M0.0 -Y_0	DBB_Y -MB108
DB98.DBX2.0 -Y_1	
DB101.DBX8.0 -Y_2	
DB101.DBX8.1 -Y_3	
M101.0 -Y_4	
DB102.DBX10.0 -Y_5	
M102.0 -Y_6	
M102.1 -Y_7	

Network: 15 16 Status Bits into a WORD (Here shown in correct S7-order).

FC109	
EN	ENO
M111.0 -Y_0	DBW_Y - MW110
M111.1 -Y_1	
M111.2 -Y_2	
M111.3 -Y_3	
M111.4 -Y_4	
M111.5 -Y_5	
M111.6 -Y_6	
M111.7 -Y_7	
M110.0 -Y_8	
M110.1 -Y_9	
M110.2 -Y_10	
M110.3 -Y_11	
M110.4 -Y_12	
M110.5 -Y_13	
M110.6 -Y_14	
M110.7 -Y_15	

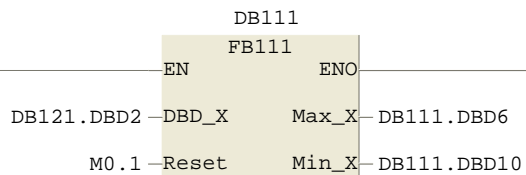
Network: 16 Store Min./Max.-Values (Span) for a INT-Variable.

DB110	
EN	ENO
DB10.DBW6 -DBW_X	Max_X - DB110.DBW4
M0.1 -Reset	Min_X - DB110.DBW6

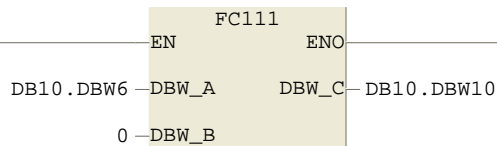
Network: 17 INT C = Min. of A or B.

FC110	
EN	ENO
DB110.DBW4 -DBW_A	DBW_C - DB10.DBW8
DB110.DBW6 -DBW_B	

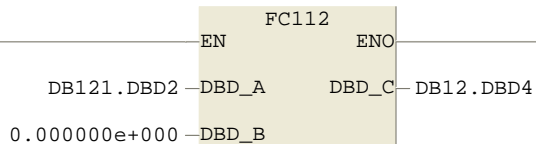
Network: 18 Store Min./Max.-Values (Span) for a REAL-Variable.



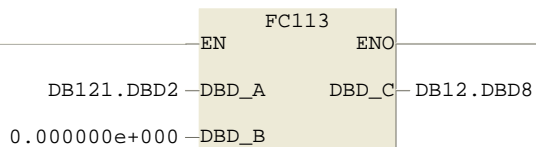
Network: 19 INT C = Max. of A or B.



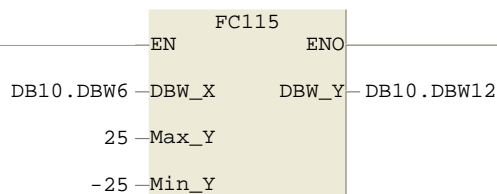
Network: 20 REAL C = Min. of A or B



Network: 21 REAL C = Max. of A or B



Network: 22 INT-Limiter: (Y)=(X), if Min.<=(X)<=Max.



Network: 23 REAL-Limiter: $(Y)=(X)$, if $\text{Min.} \leq (X) \leq \text{Max.}$

FC116	
EN	ENO
DB121.DBD2 - DBD_X	DBD_Y - DB12.DBD12
2.500000e+001 - Max_Y	
-2.500000e+001 - Min_Y	

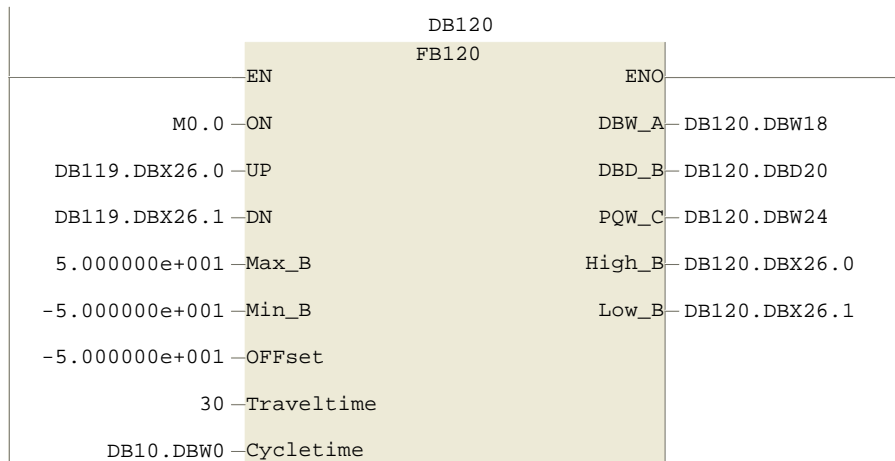
Network: 24 Delay-Function (smoothing) for an unstable analog signal.

DB118	
EN	ENO
M0.0 - ON	DBD_Y - DB118.DBD10
DB121.DBD2 - DBD_X	
16 - Delay	
DB10.DBW0 - Cycletime	

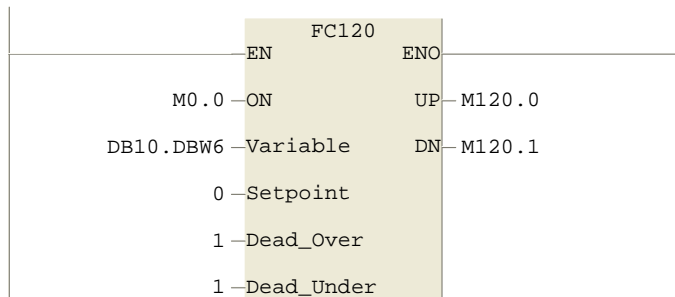
Network: 25 Proportional-Step-Controller for simple controls.

DB119	
EN	ENO
M0.0 - ON	UP - DB119.DBX26.0
DB120.DBD20 - Variable	DN - DB119.DBX26.1
0.000000e+000 - Setpoint	
5.000000e-001 - Deadzone	
5.000000e+001 - H_Variable	
-5.000000e+001 - L_Variable	
8 - DBW_P	
DB10.DBW0 - Cycletime	

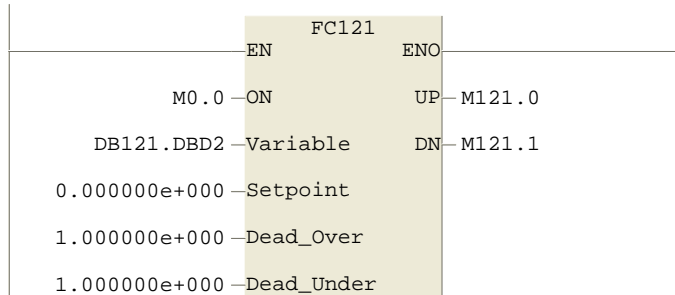
Network: 26 Ramping between [Min_B] and [Max_B] in Traveltime.



Network: 27 INT-Positions-Controller: UP or DN = 1 outside Deadzone.



Network: 28 REAL-Positions-Controller. UP or DN = 1 outside Deadzone.



Network: 29 Analog- and Step- PID-Controller.

DB121

FB121

EN

ENO

M0.0-ON

DBW_A DB121.DBW40

DB121.DBX0.1-Force_UP

DBW_B DB121.DBW42

DB121.DBX0.2-Force_DN

PQW_C DB121.DBW44

DB121.DBX0.3-H_Switch

Delay_Var DB121.DBD46

DB121.DBX0.4-L_Switch

High_C DB121.DBX50.0

DB121.DBD2-Variable

Low_C DB121.DBX50.1

8-Delay

UP DB121.DBX50.2

0.000000e+000-Setpoint

DN DB121.DBX50.3

5.000000e-001-Deadzone

5.000000e+001-H_Variable

-5.000000e+001-L_Variable

1-DBW_P

8-DBW_I

1-DBW_D

30-Traveltime

100-Max_B

0-Min_B

DB10.DBW0-Cycletime

DB121.DBX38.0-Reverse

Network: 30 Liniar re-scaling: Old INT(X1,X2) become New INT(Y1,Y2).

FC124

EN

ENO

DB10.DBW6-DBW_X DBW_Y DB10.DBW14

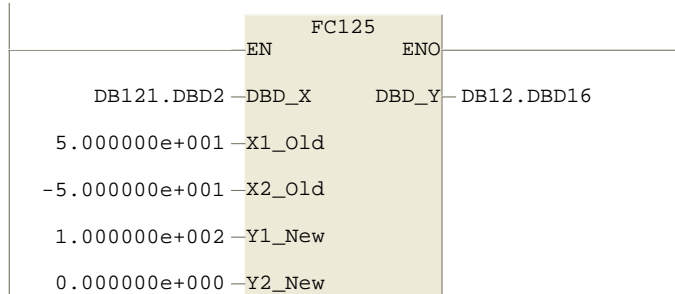
50-X1_Old

-50-X2_Old

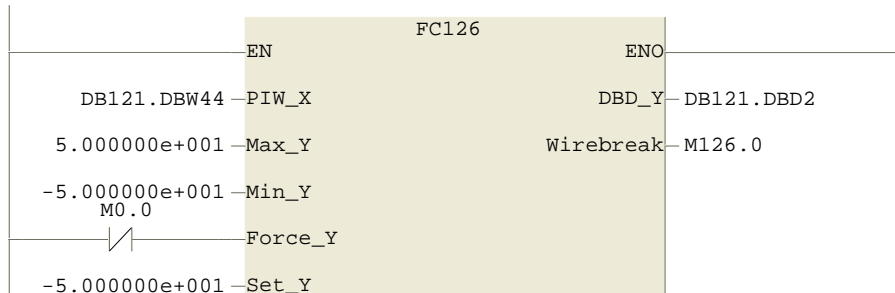
100-Y1_New

0-Y2_New

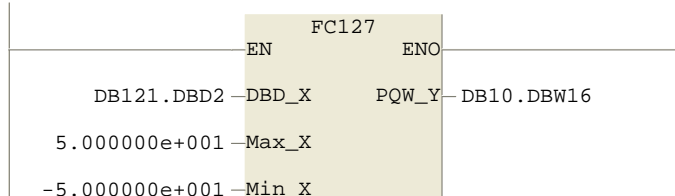
Network: 31 Liniar re-scaling: Old REAL(X1,X2) become New REAL(Y1,Y2).



Network: 32 Analog input scaling.



Network: 33 Analog output scaling.



Network: 34 Block End.

BE

These Blocks represent much time and effort; therefore we must charge a fee for them.

For all the blocks there is a charge of \$200; for just the PID control blocks there is a charge of \$50

If you are interested then please send an email to blokke@plcman.co.uk

We will then contact you with details of payment.