

OB1 - <offline>

"Main_Program"

Name:

Author:

Time stamp Code:

Interface:

Lengths (block/logic/data):

Family:

Version: 0.1

Block version: 2

12/31/2015 10:32:25 AM

02/15/1996 04:51:12 PM

00342 00198 00030

Name	Data Type	Address	Comment
TEMP		0.0	
OB1_EV_CLASS	Byte	0.0	Bits 0-3 = 1 (Coming event), Bits 4-7 = 1 (Event class 1)
OB1_SCAN_1	Byte	1.0	1 (Cold restart scan 1 of OB 1), 3 (Scan 2-n of OB 1)
OB1_PRIORITY	Byte	2.0	Priority of OB Execution
OB1_OB_NUMBR	Byte	3.0	1 (Organization block 1, OB1)
OB1_RESERVED_1	Byte	4.0	Reserved for system
OB1_RESERVED_2	Byte	5.0	Reserved for system
OB1_PREV_CYCLE	Int	6.0	Cycle time of previous OB1 scan (milliseconds)
OB1_MIN_CYCLE	Int	8.0	Minimum cycle time of OB1 (milliseconds)
OB1_MAX_CYCLE	Int	10.0	Maximum cycle time of OB1 (milliseconds)
OB1_DATE_TIME	Date_And_Time	12.0	Date and time OB1 started

Block: OB1 "Main Program Sweep (Cycle)"

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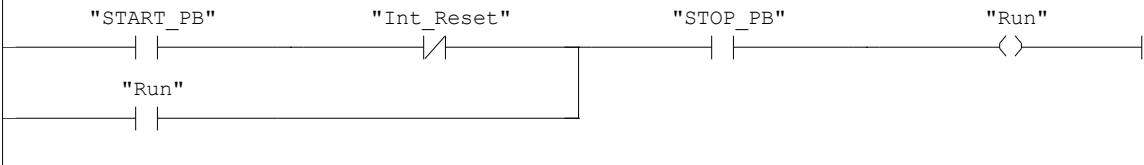
SP14-1 Part Oiler Station Control Using S7-GRAPH with Simulation

Additional internal memory:

Symbol	Address		
Run	M5.0	BOOL	On while station running
Int_Reset	M5.1	BOOL	Internal reset
Run_Trans	M61.0	BOOL	Run has changed
Run_PTrans	M61.1	BOOL	Bit for Run neg transition
Run_NTrans	M61.2	BOOL	Bit for Run pos transition
OP_Zeroed	M61.3	BOOL	Operation paused
Reset_Trans	M61.4	BOOL	Reset_PB transition to start-kick
SFC			
ResetPB_PTrans	M61.5	BOOL	Bit for Reset_PB pos trans

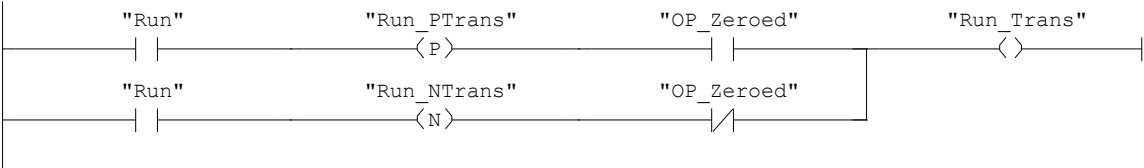
Network: 1 Start/stop

During reset prevent start



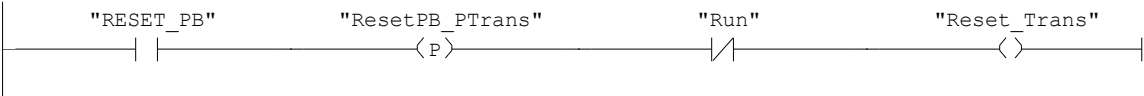
Network: 2

Generate pulse to toggle pause for SFC. Positive transition on Run used only when already paused. Negative transition on Run used when not paused.



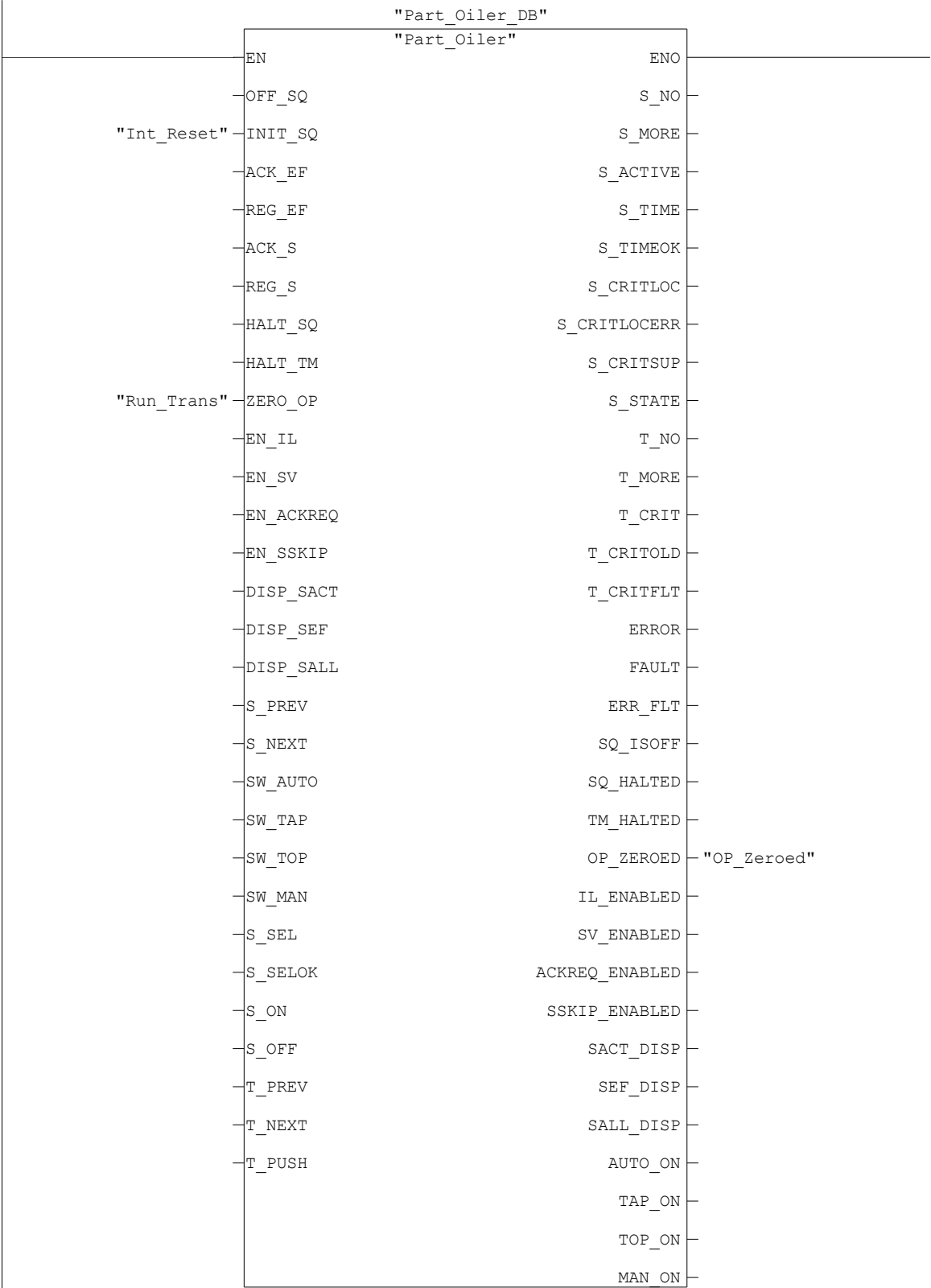
Network: 3

Positive transition for reset PB to start reset operation.



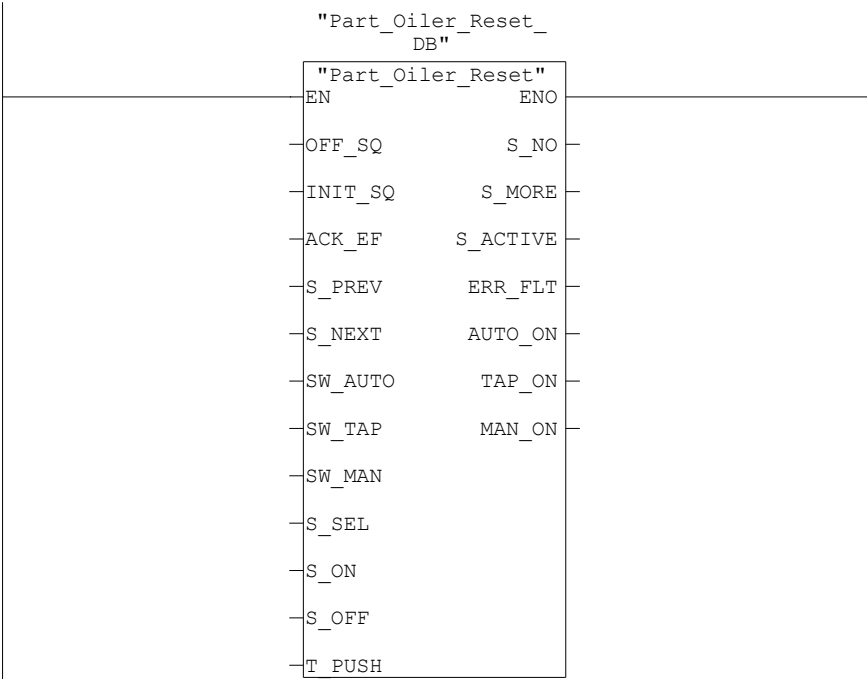
Network: 4

Part Oiler S7-GRAPH



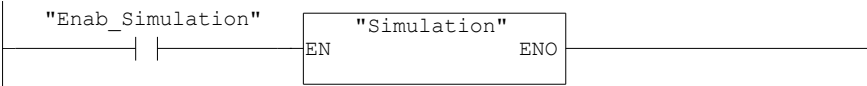
Network: 5

Part Oiler Reset S7-GRAPH



Network: 6

Simulation



Network: 7

Copy real inputs to input image if not simulating

