water leve / PLC_1 [CPU 314C-2 PN/DP] / Program blocks

Main [OB1]
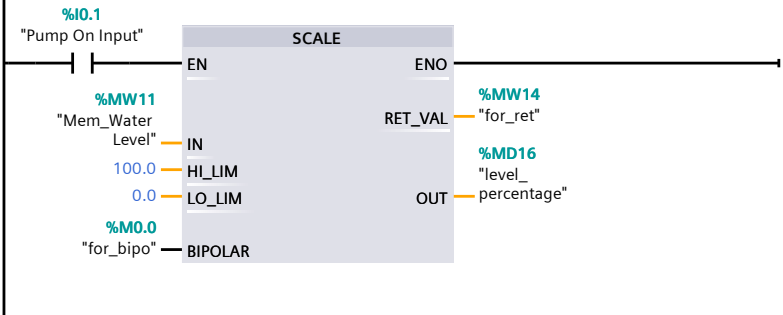
Main Properties						
General						
Name	Main	**Number**	1		**Type**	OB
Language	LAD	**Numbering**	Manual			
Information						
Title	"Main Program Sweep (Cycle)"	**Author**			**Comment**	
Family		**Version**	0.1		**User-defined ID**	

Main					
Name	**Data type**	**Offset**	**Default value**	**Super-vision**	**Comment**
▼ Temp					
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
Constant					

Network 1: Starting
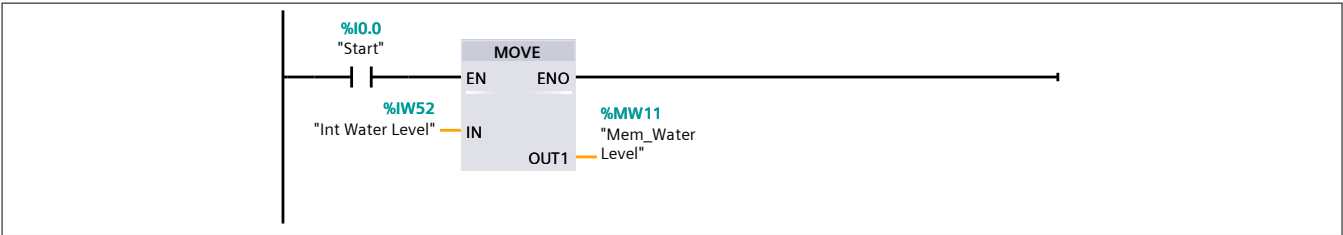
Network 2: Scaling operation

%I0.1
"Pump On Input"

SCALE
EN — ENO

%MW11
"Mem_Water
Level" — IN

100.0 — HI_LIM

0.0 — LO_LIM

%M0.0
"for_bipo" — BIPOLAR

%MW14
RET_VAL — "for_ret"

%MD16
"level_
percentage"
OUT —

Network 3: Hysterisis

%MD16
"level_
percentage"

%M0.1
"SR FLIP FLOP"

%Q0.0
"Pump ON
Output"

SR

<=
Real
55.0

S   Q

%MD16
"level_
percentage"

>=
Real
65.0

R1