Energy_Drink_V15.1 / ENERGY_DRINK_PROC [CPU 314C-2 PN/DP] / Program blocks / 06-MIXER MANAGEMENT

MIXER_TANK_MANAGEMENT [FC3]

MIXER_TANK_MANAGEMENT Properties							
General							
Name	MIXER_TANK_MANAGE-MENT	Number	3	Type	FC	Language	FBD
Numbering	Automatic						
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined ID					

MIXER_TANK_MANAGEMENT				
Name	Data type	Offset	Default value	Comment
Input				
Output				
InOut				
Temp				
Constant				
▼ Return				
MIXER_TANK_MANAGEMENT	Void			

Network 1: /**********************MIXER TANK LEVEL***/

Network 2: /*********************MIXER MOTOR**/
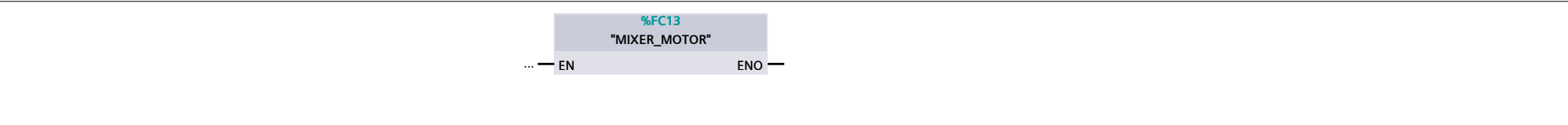
Network 3: /*********************SIRUPE STATION***/
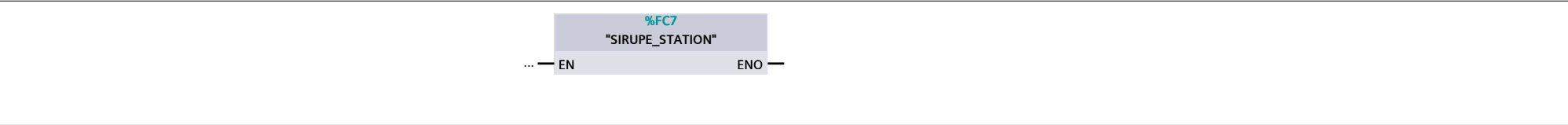
Network 4: /*********************WATER STATION***/
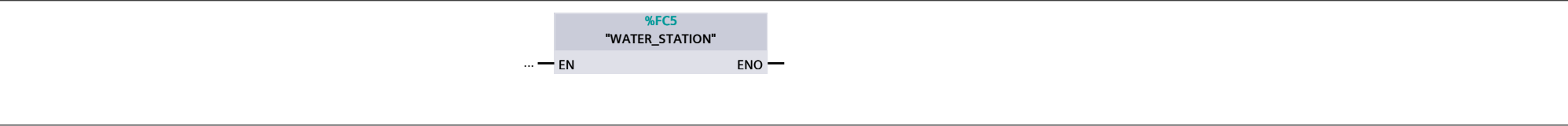
Network 5: /**********************MIXER TANK DISCHARGE VALVE***/**
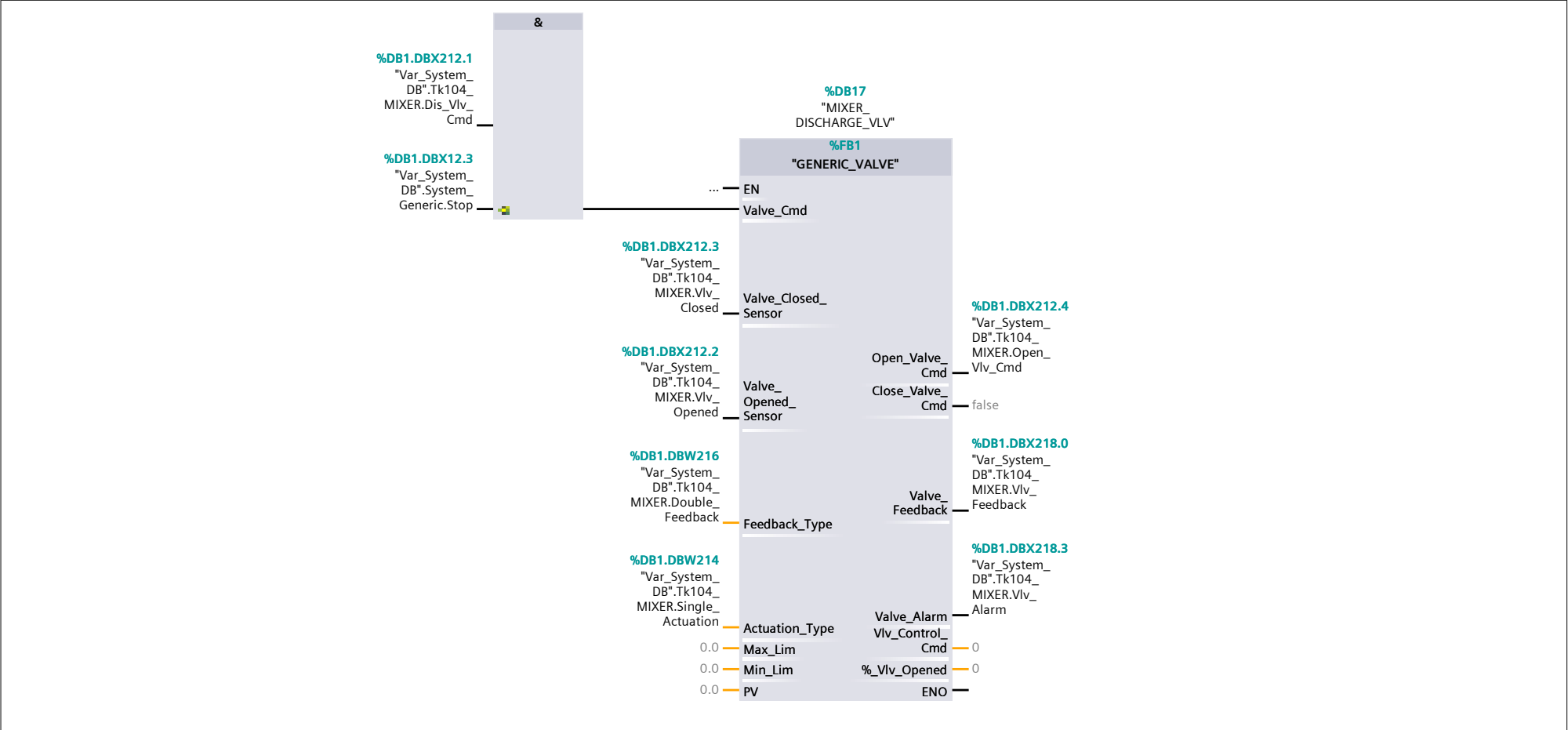
Network 6: /**********************TANK CONDITIONS ACTIVATION***/**

```
0001  // IF SYSTEM IS ACTIVE AND MIXER STATION => MIXER TANK COMMAND = 1
0002      U     "Var_System_DB".System_Generic.System_Act
0003      U     "Var_System_DB".System_Generic.Mixer_Station
0004      =     "Var_System_DB".Tk104_MIXER.Tank_Cmd
0005
0006  // IF TANK LEVEL > 15% => SEND COMMAND TO AGITATOR, WATER AND SIRUPE VALVE
0007      U     "Var_System_DB".Tk104_MIXER.Tank_Cmd
0008      U(
0009      L     "Var_System_DB".Tk104_MIXER."Level_%"
0010      L     15
0011      >I
0012      )
0013      =     "Var_System_DB".Mixer_Motor.Motor_Cmd
0014      =     "Var_System_DB".Sirupe_Valve.Vlv_Cmd
0015      =     "Var_System_DB".Water_Valve.Vlv_Cmd
0016
```

Network 7: /**********************TANK CONDITIONS ACTIVATION***/**

```
0001  // IF SYSTEM IS ACTIVE, MIXER STATION AND CONVEYOR HAS STOPPED =>
0002  // ACTIVATE TIMER TO OPEN THE VALVE WHEN ELAPSED TIME IS "ON"
0003      U     "Var_System_DB".System_Generic.System_Act
0004      U     "Var_System_DB".System_Generic.Mixer_Station
0005      U     "Var_System_DB".System_Generic.Conveyor_Station
0006      FP    "Var_System_DB".Mixer_Motor.FP_Timer
0007      =     "Var_System_DB".System_Generic.T_Mixer_Station
0008
0009  // TIMER CALL
0010      CALL  TP , "AGITATOR_TIMER_DB"
0011        Time
0012        IN :="Var_System_DB".System_Generic.T_Mixer_Station
0013        PT :=T#60S
0014        Q  :=
0015        ET :=
0016
0017
0018  // IF FN AGITATOR_TIMER.Q => SEND COMMAND TO ACTIVATE DISCHARGE VALVE
0019      U     "AGITATOR_TIMER_DB".Q
0020      FN    "Var_System_DB".Tk104_MIXER.FN_Agitator
0021      S     "Var_System_DB".Tk104_MIXER.Dis_Vlv_Cmd
0022
0023
0024  // RESET VALVE COMMAND AND MIXER STATION AND BACH IN PROGRESS
0025      U     "Var_System_DB".Tk104_MIXER.Dis_Vlv_Cmd
0026      U(
0027      L     "Var_System_DB".Tk104_MIXER."Level_%"
0028      L     0
0029      ==I
0030      )
0031      R     "Var_System_DB".Tk104_MIXER.Dis_Vlv_Cmd
```

```
0032        R        "Var_System_DB".System_Generic.Mixer_Station
0033        R        "Var_System_DB".System_Generic.Bach_In_Progress
0034
0035        ON       "Var_System_DB".System_Generic.System_Act
0036        R        "Var_System_DB".Tk104_MIXER.Dis_Vlv_Cmd
0037
```