

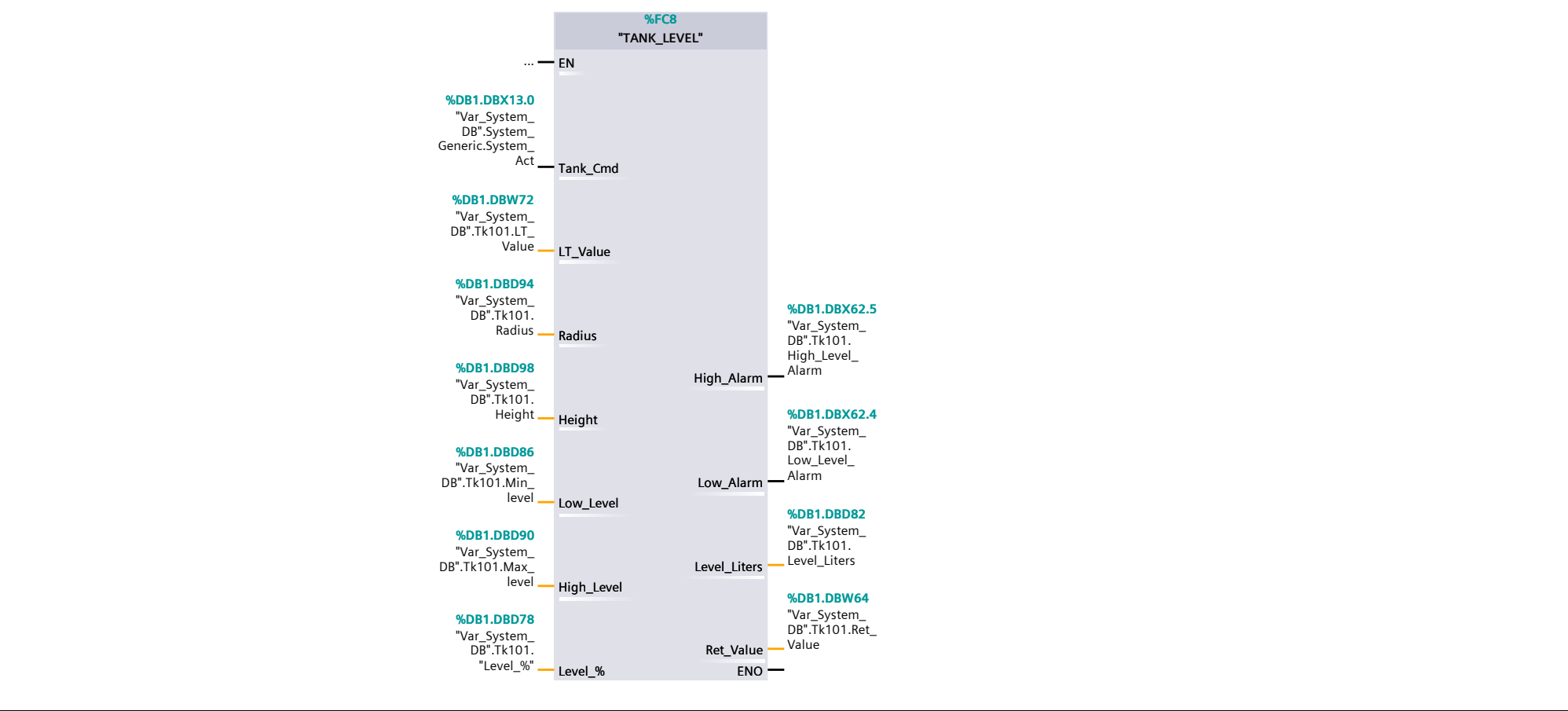
Energy_Drink_V15.1 / ENERGY_DRINK_PROC [CPU 314C-2 PN/DP] / Program blocks / 03-TANK MANAGEMENT

TANKS_MANAGEMENT [FC9]

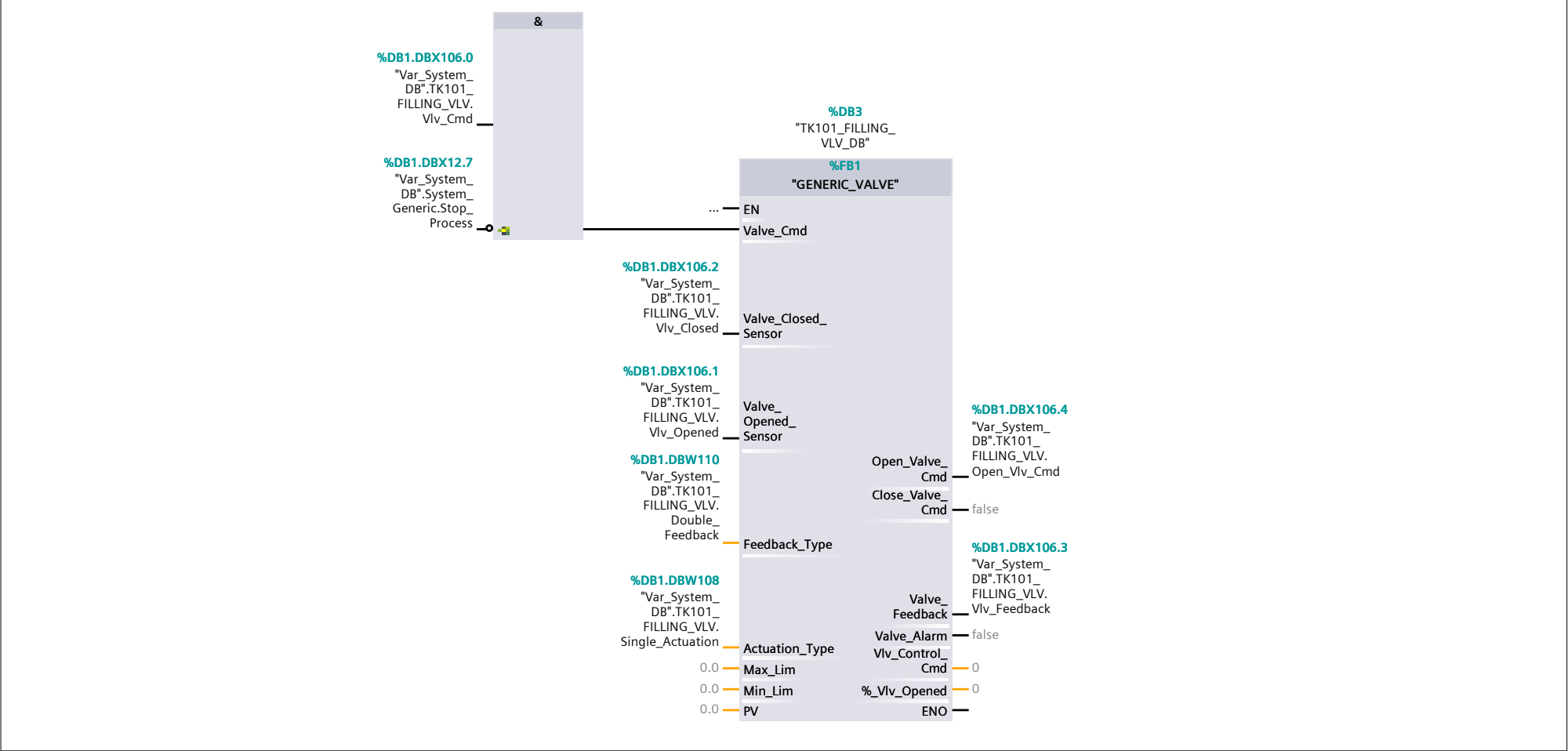
TANKS_MANAGEMENT Properties							
General							
Name	TANKS_MANAGEMENT	Number	9	Type	FC	Language	FBD
Numbering	Automatic						
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined ID					

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

Network 1: /*****TANK101 LEVEL *****/



Network 2: /*****TANK 101 FILLING VALVE*****/



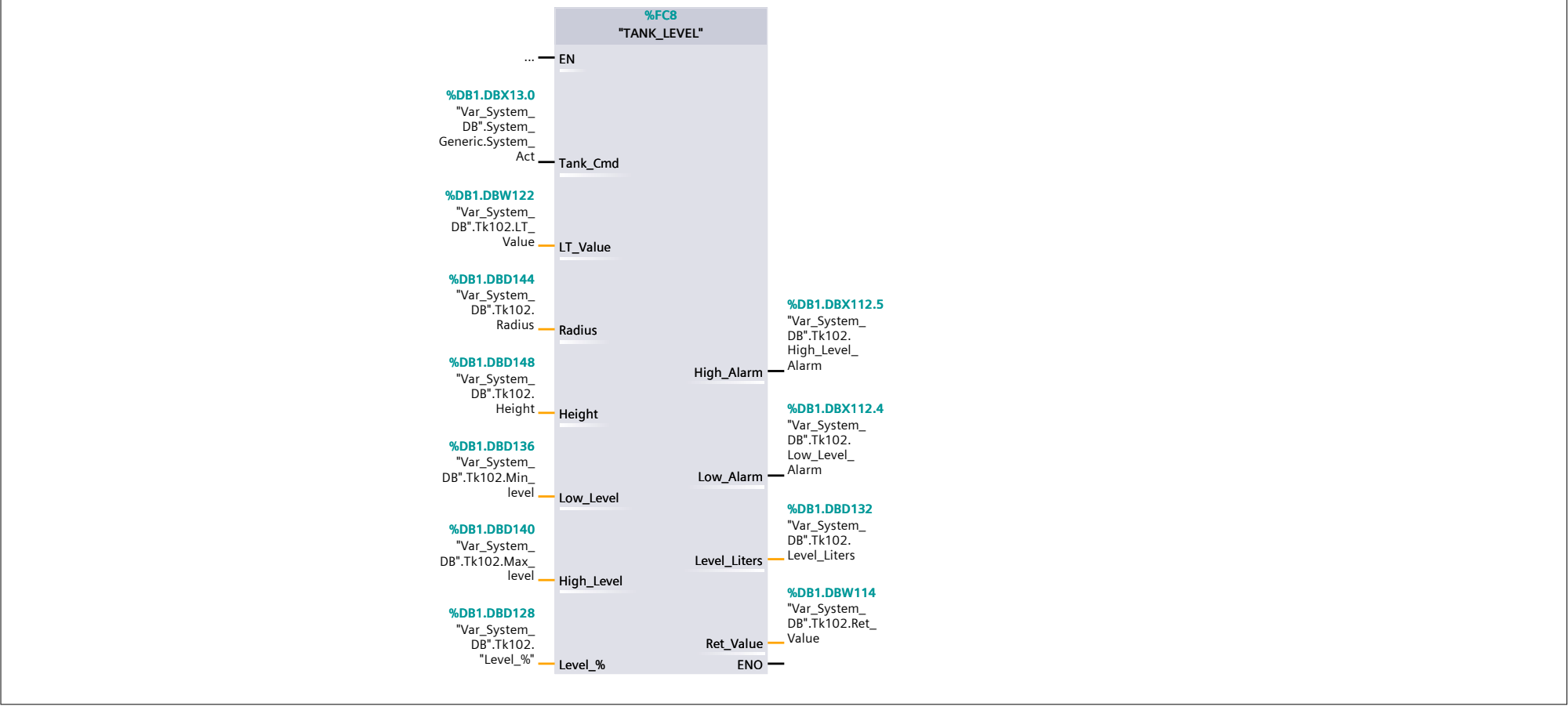
Network 3: *****CONDITIONS TO FILL TANK 101*****/

```
0001 // IF SYSTEM IS ACTIVE => CHECK CONDITIONS
0002 U      "Var_System_DB".System_Generic.System_Act
0003 // IF LEVEL IS < 20% => SET FILLING TANK
0004 U(
0005     L      "Var_System_DB".Tk101."Level_%"
0006     L      20
0007     <=I
0008 )
0009 S      "Var_System_DB".TK101_FILLING_VLV.Vlv_Cmd // SET VLV_CMD
0010
0011 // IF LEVEL IS >= 90% => RESET FILLING TANK
0012 U(
0013     L      "Var_System_DB".Tk101."Level_%"
0014     L      90
0015     >=I
0016 )
0017 R      "Var_System_DB".TK101_FILLING_VLV.Vlv_Cmd // RESET VLV_CMD
```

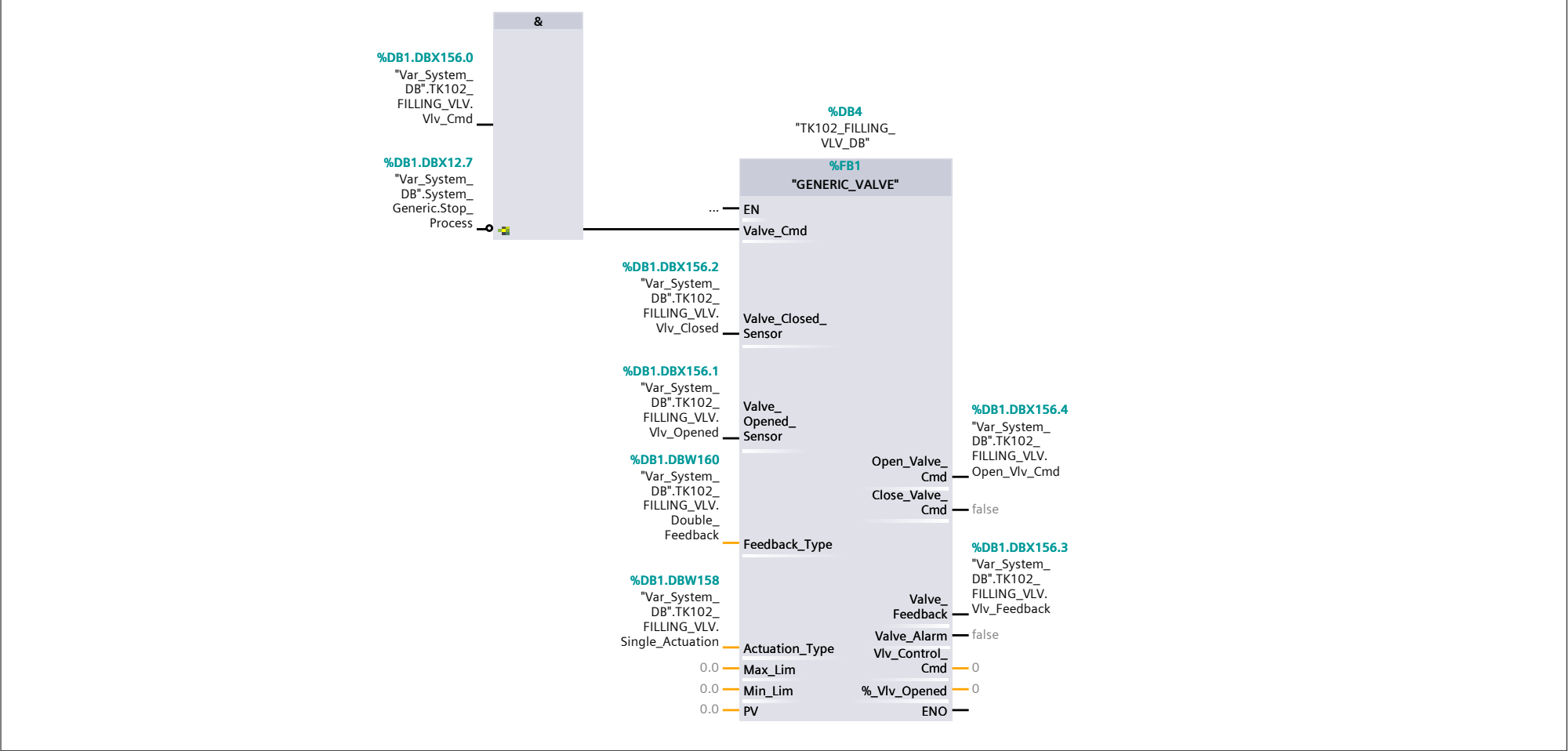
Network 4: /*****TANK 101 DISCHARGE VALVE*****/



Network 5: /*****TANK102 LEVEL *****/



Network 6: /*****TANK 102 FILLING VALVE *****/



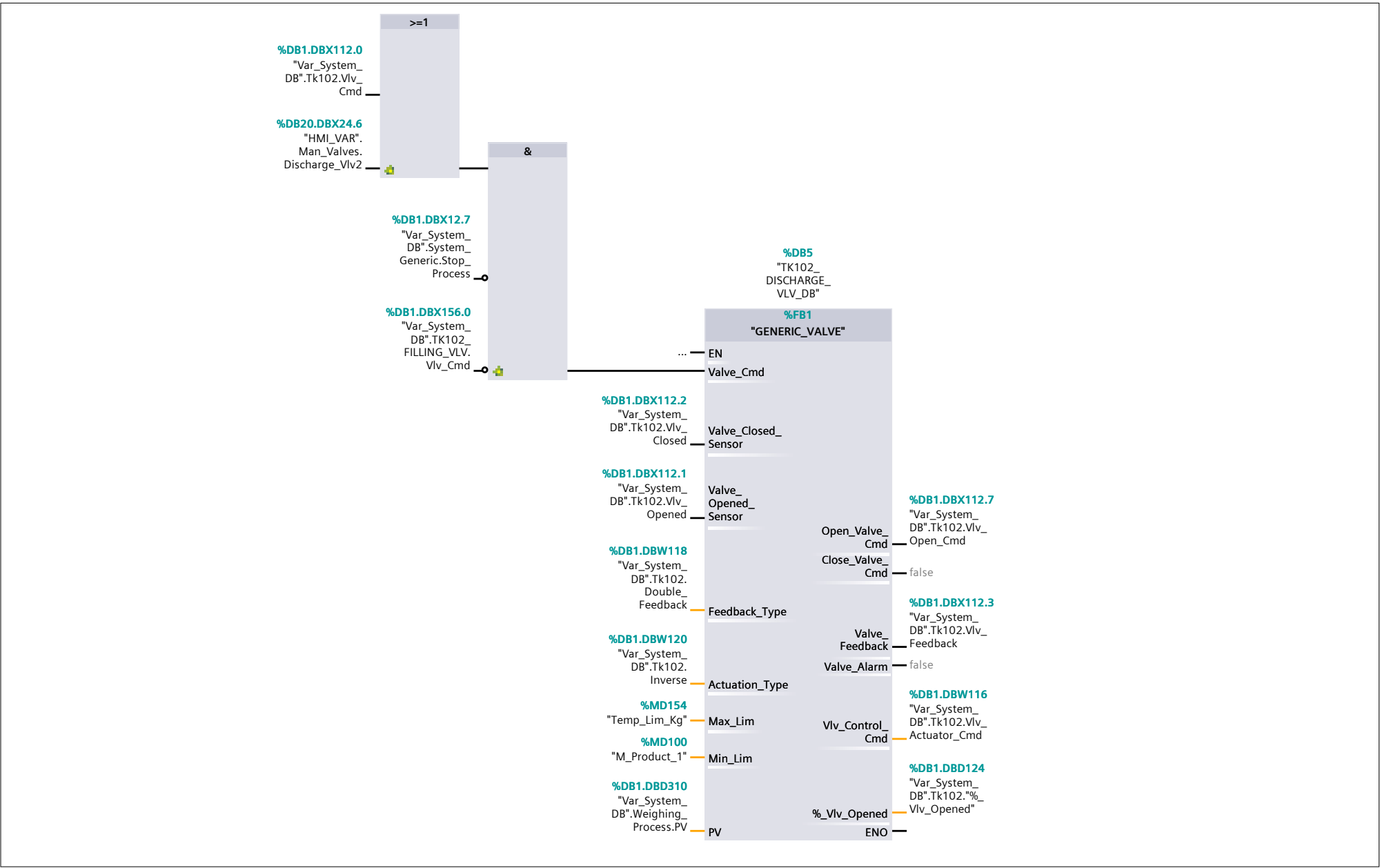
Network 7: *****CONDITIONS TO FILL TANK 102*****/

```
0001 // IF SYSTEM IS ACTIVE => CHECK CONDITIONS
0002 U "Var_System_DB".System_Generic.System_Act
0003 // IF LEVEL IS < 20% => SET FILLING TANK
0004 U(
0005 L "Var_System_DB".Tk102."Level_"
0006 L 20
0007 <=I
0008 )
0009 S "Var_System_DB".TK102_FILLING_VLV.Vlv_Cmd // SET VLV_CMD
0010
0011 // IF LEVEL IS >= 90% => RESET FILLING TANK
0012 U(
0013 L "Var_System_DB".Tk102."Level_"
0014 L 90
0015 >=I
0016 )
0017 R "Var_System_DB".TK102_FILLING_VLV.Vlv_Cmd // RESET VLV_CMD
0018
```

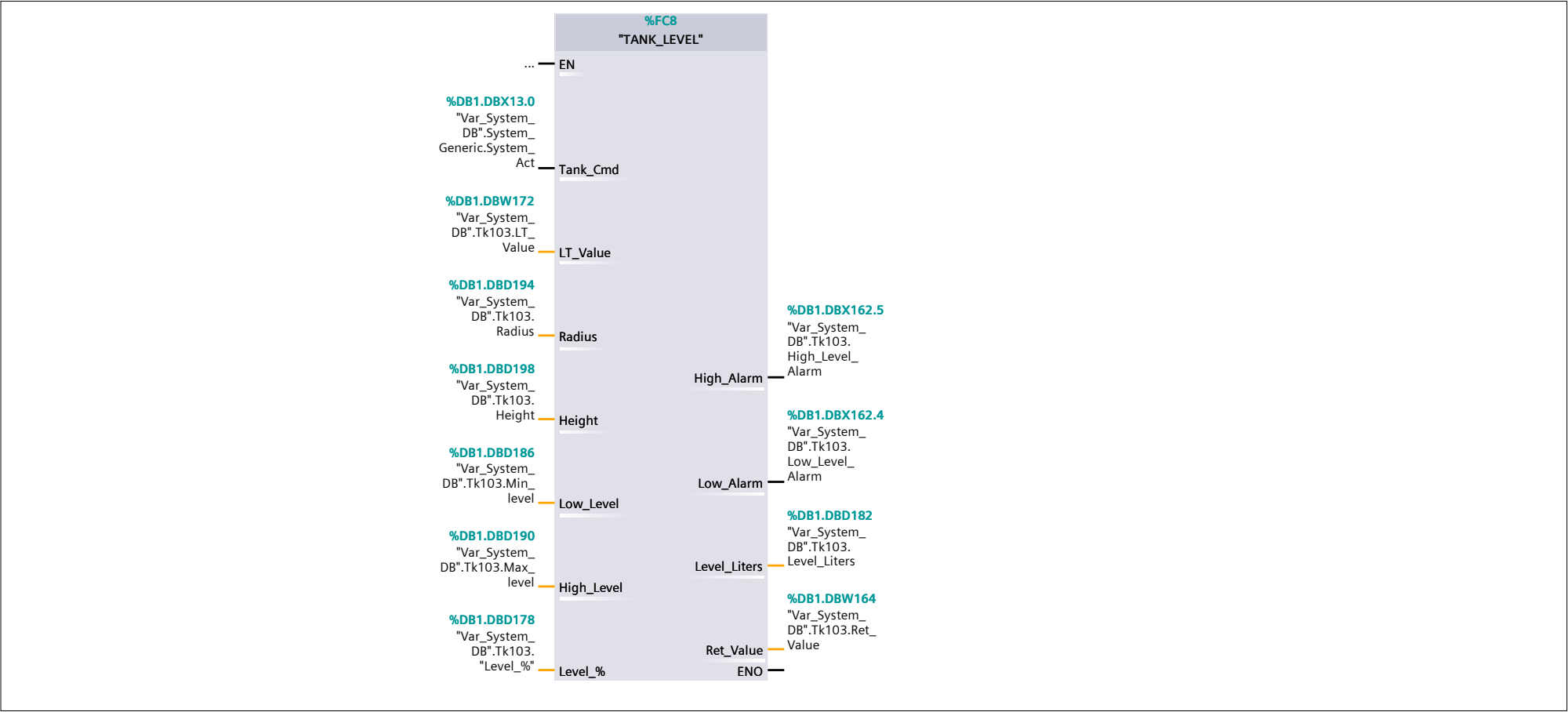
Network 8: /*****DISCHARGE VLV 2 MAX LIMIT*****/

```
0001 // SUM OF THE PRODUCT 1 AND 2 TO USE IT AS A MAX LIMIT FOR DISCHARGE VLV 2
0002 L "M_Product_1"
0003 L "M_Product_2"
0004 +R
0005 T "Temp_Lim_Kg" // DISCHARGE VLV 2 MAX LIMIT
0006
```

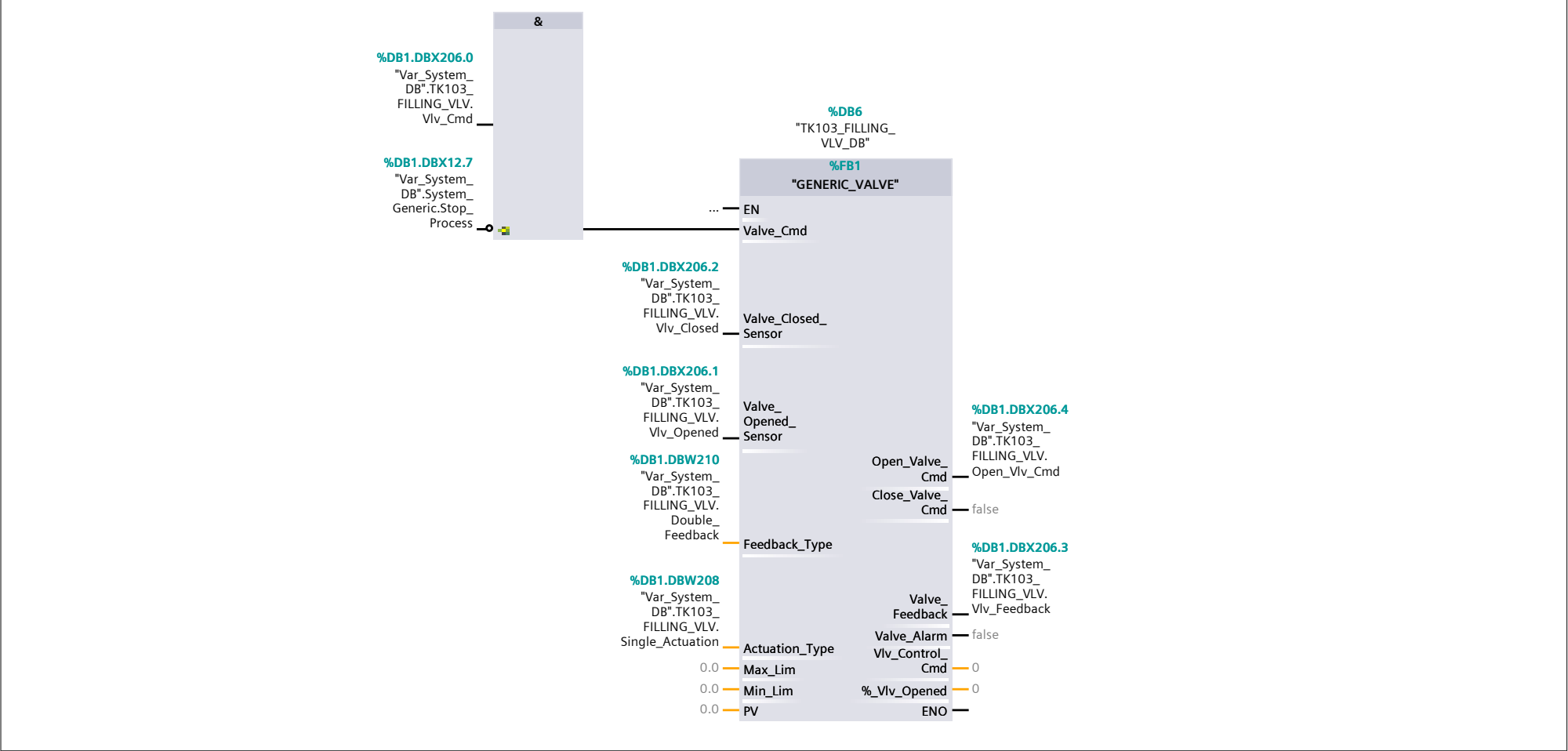
Network 9: /*****TANK 102 AND DISCHARGE VALVE*****/



Network 10: /*****TANK103 LEVEL *****/



Network 11: /*****TANK 103 FILLING VALVE *****/



Network 12: *****CONDITIONS TO FILL TANK 103*****/

```
0001 // IF SYSTEM IS ACTIVE => CHECK CONDITIONS
0002 U      "Var_System_DB".System_Generic.System_Act
0003 // IF LEVEL IS < 20% => SET FILLING TANK
0004 U(
0005 L      "Var_System_DB".Tk103."Level_%"
0006 L      20
0007 <=I
0008 )
0009 S      "Var_System_DB".TK103_FILLING_VLV.Vlv_Cmd// SET VLV_CMD
0010
0011 // IF LEVEL IS >= 90% => RESET FILLING TANK
0012 U(
0013 L      "Var_System_DB".Tk103."Level_%"
0014 L      90
0015 >=I
0016 )
0017 R      "Var_System_DB".TK103_FILLING_VLV.Vlv_Cmd// RESET VLV_CMD
0018
```

Network 13: /*****TANK 103 AND DISCHARGE VALVE*****/

