Totally Integ Automation										
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	Туре	FC	Language	FBD			
Numbering	Automatic									
Information										

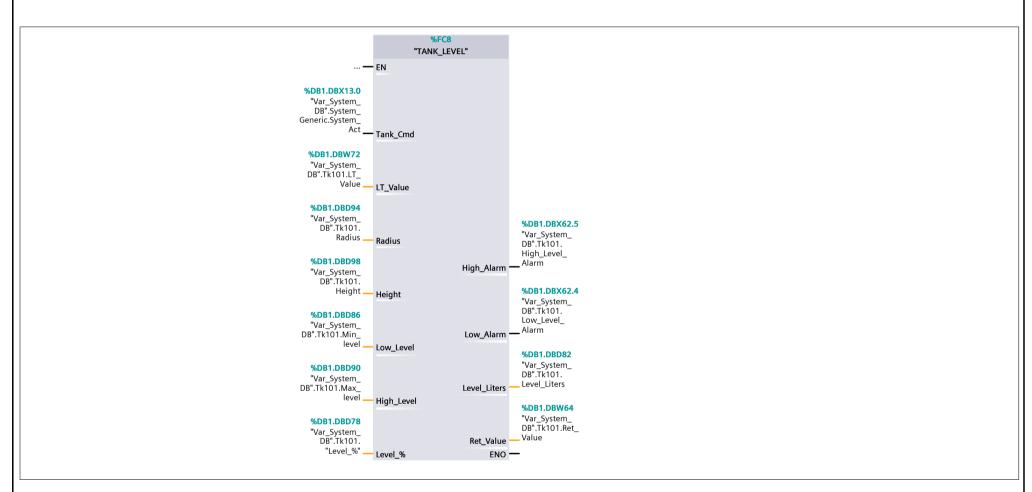
Comment

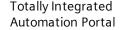
Family

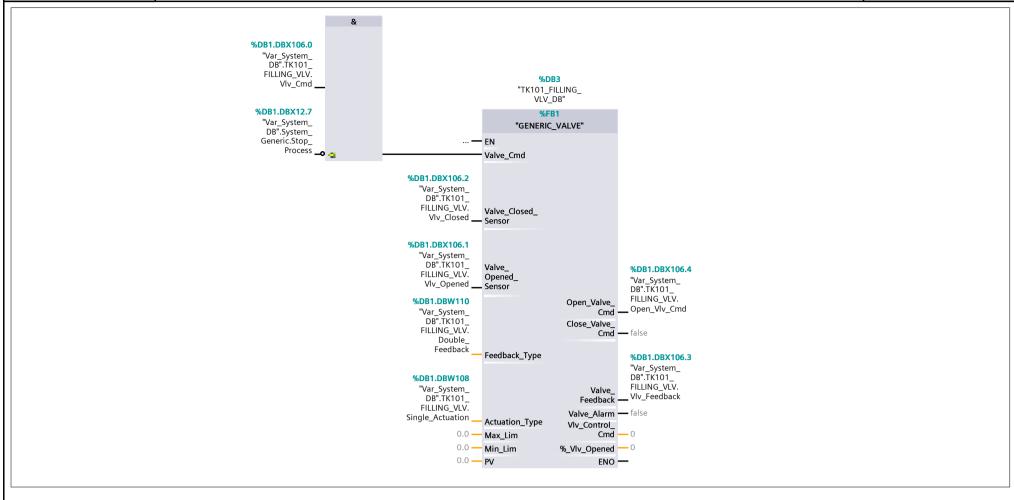
						,							
Version	0.1	User-defined ID											
TANKS MANAGEMENT													
TANKS_MANAGEMENT													
Name		Data type	Offset	Default value	Comment	Comment							
Input													
Output													
InOut													
Temp													
Constant													
▼ Return													
TANKS_M	ANAGEMENT	Void											

Author

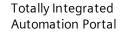
Title

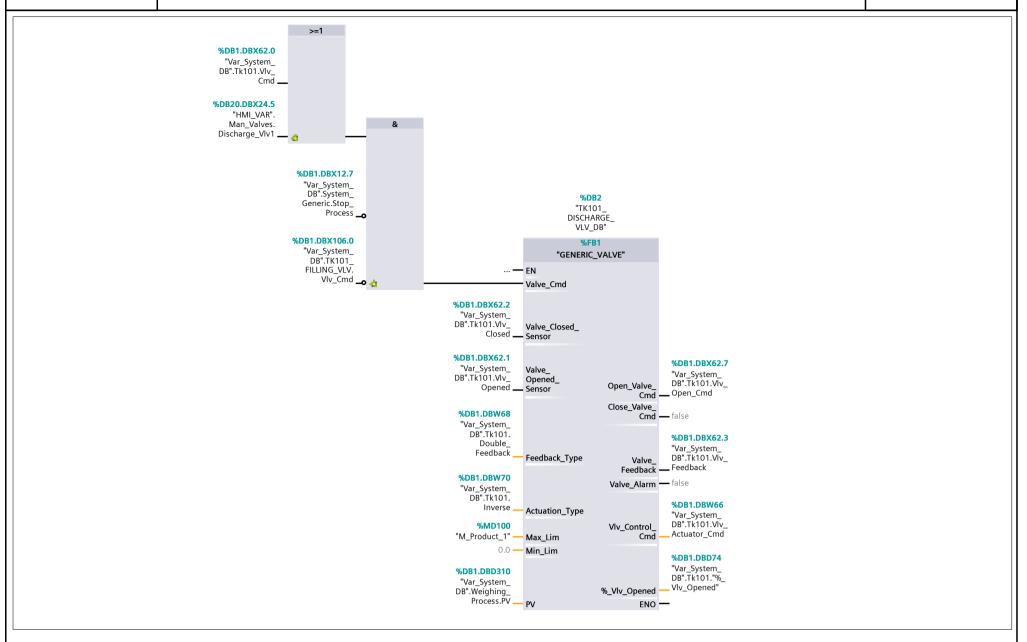




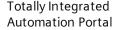


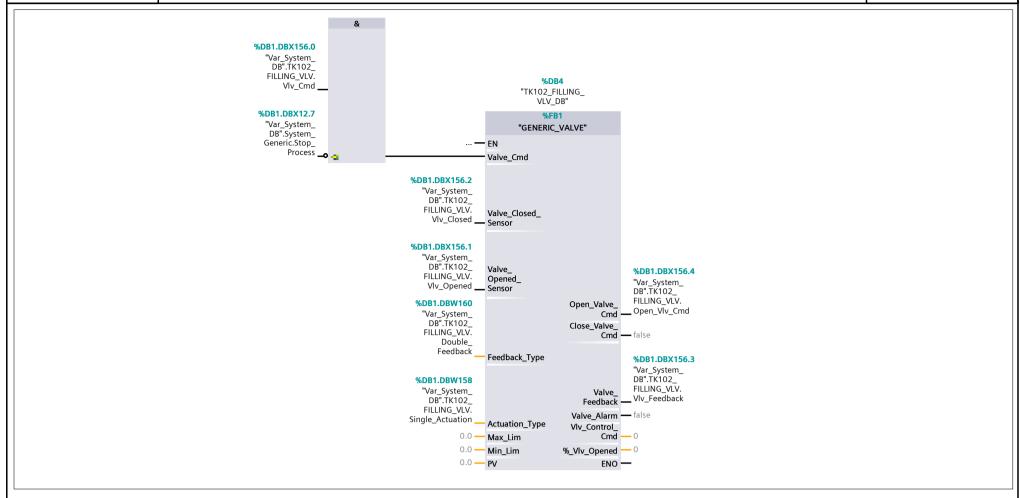

```
0001 // IF SYSTEM IS ACTIVE => CHECK CONDITIONS
0002
                  "Var_System_DB".System_Generic.System_Act
0003 // IF LEVEL IS < 20% => SET FILLING TANK
0004
            U (
0005
                  "Var_System_DB".Tk101."Level_%"
            _{\rm L}
0006
            _{\rm L}
0007
         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





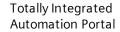


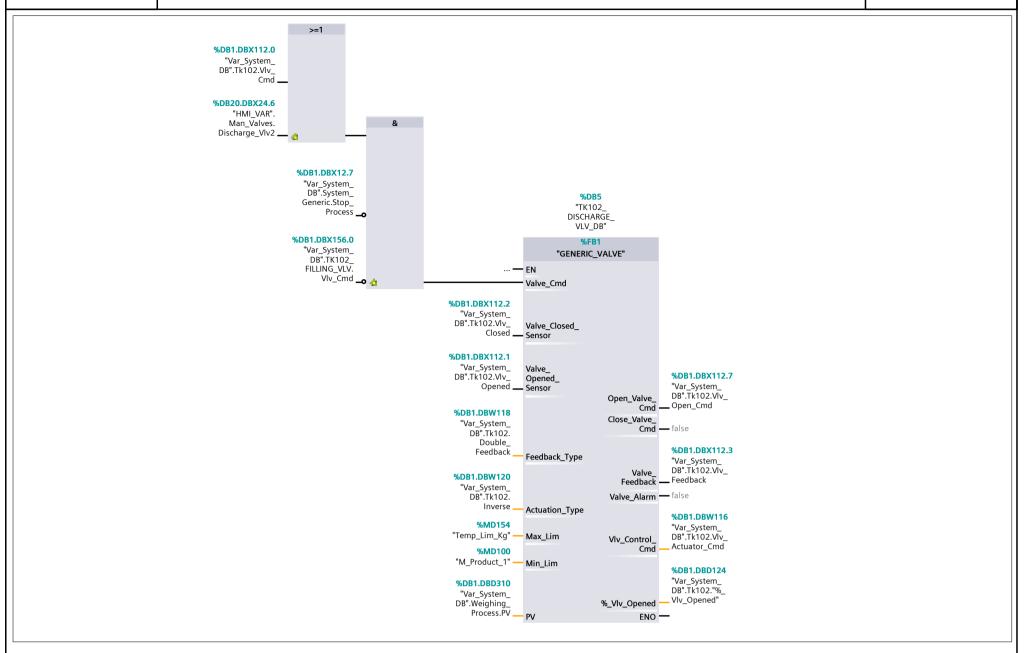


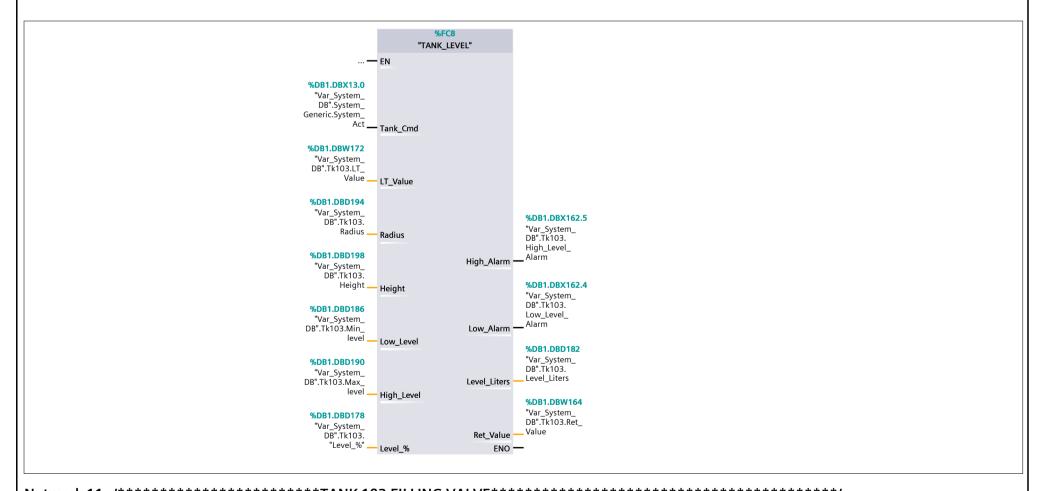

```
0001 // IF SYSTEM IS ACTIVE => CHECK CONDITIONS
0002
                  "Var_System_DB".System_Generic.System_Act
0003 // IF LEVEL IS < 20% => SET FILLING TANK
0004
            U (
0005
                  "Var_System_DB".Tk102."Level_%"
            _{\rm L}
0006
            _{\rm L}
0007
            \leq = 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
                  "Var_System_DB".Tk102."Level_%"
            L
0014
            _{\rm L}
0015
            >=I
0016
0017
            R
                  "Var_System_DB".TK102_FILLING_VLV.Vlv_Cmd// RESET VLV_CMD
0018
```

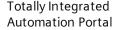


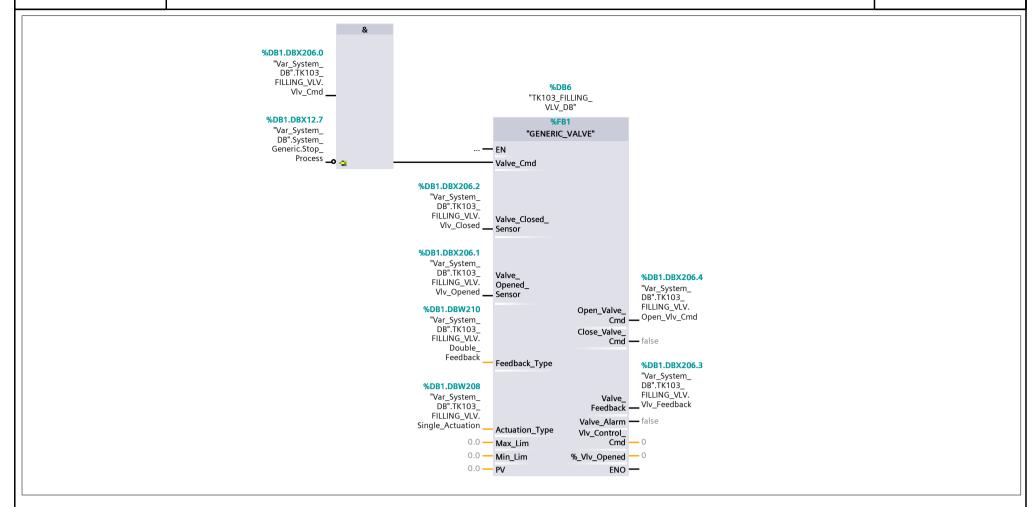
```
0001 // SUM OF THE PRODUCT 1 AND 2 TO USE IT AS A MAX LIMIT FOR DISCHARGE VLV 2
                 "M_Product_1"
0002
                 "M Product 2"
0003
           L
0004
           +R
0005
                                       // DISCHARGE VLV 2 MAX LIMIT
                 "Temp_Lim_Kg"
0006
```










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

Totally Integrated **Automation Portal** %DB1.DBX162.0 "Var_System_ DB".Tk103.Vlv_ %DB20.DBX24.7 "HMI_VAR".
Man_Valves.
Discharge_VIv3 ___ & %DB1.DBX12.7 "Var_System_ DB".System_ Generic.Stop_ **%DB7**"TK103_
DISCHARGE_
VLV_DB" Process _o **MDB1.DBX206.0

"Var_System_
 DB".TK103_
 FILLING_VLV.
 VIv_Cmd __ "GENERIC_VALVE" ... — EN Valve_Cmd %DB1.DBX162.2

"Var_System_
DB".Tk103.Vlv_
Closed — Valve_Closed_
Sensor **%DB1.DBX162.1**"Var_System_
DB".Tk103.Vlv_ _System_ k103.Vlv_ Opened_ Opened_ Sensor %DB1.DBX162.7
"Var_System_
DB".Tk103.Vlv_
Open_Cmd Open_Valve_ Cmd **-**%DB1.DBW168 Close_Valve_ Cmd "Var_System_ DB".Tk103. Double_ %DB1.DBX162.3 Feedback __ Feedback_Type Valve_ DB".Tk103.Vlv_ Feedback Feedback %DB1.DBW170 "Var_System_ DB".Tk103. Valve_Alarm — false Inverse . Actuation_Type %DB1.DBW166 %MD150 "Var_System_ DB".Tk103.Vlv_ __ Actuator_Cmd "Total_Weight" — Max_Lim Vlv_Control_ Cmd %MD154 "Temp_Lim_Kg" — Min_Lim %DB1.DBD174 "Var_System_ DB".Tk103."%_ Vlv_Opened" %DB1.DBD310 "Var_System_
DB".Weighing_
Process.PV — PV %_VIv_Opened ENO —