

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

MIXER_MOTOR [FC13]

MIXER_MOTOR Properties							
General							
Name	MIXER_MOTOR	Number	13	Type	FC	Language	FBD
Numbering	Automatic						
Information							
Title		Author		Comment		Family	
Version	0.1	User-defined ID					

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

Network 1: *****COMMANDS AND CONDITIONS TO MANAGE AGITATOR*****/

```
0001 // IF MOTOR CMD FP => SEND COMMAND TO ACTIVATE AGITATOR
0002     U      "Var_System_DB".Mixer_Motor.Motor_Cmd
0003     FP     "Var_System_DB".Mixer_Motor.FP_Start
0004     O      "Var_System_DB".Mixer_Motor.Man_Start
0005     =      "Var_System_DB".Mixer_Motor.Cmd_Start
0006
0007 // IF MOTOR CMD FN => SEND COMMAND TO DEACTIVATE AGITATOR
0008     U      "Var_System_DB".Mixer_Motor.Motor_Cmd
0009     FN     "Var_System_DB".Mixer_Motor.FN_Stop
0010     ON     "Var_System_DB".Mixer_Motor.Man_Stop
0011     R      "Var_System_DB".Mixer_Motor.Cmd_Stop
0012
0013
0014 // IF CMD STOP NOT ACTIVE AND MOTOR PV = 0 => SET BACK CMD STOP = 1
0015     UN     "Var_System_DB".Mixer_Motor.Cmd_Stop
0016     U(
0017     L      "Var_System_DB".Mixer_Motor.PV
0018     L      0
0019     ==I
0020     )
0021     S      "Var_System_DB".Mixer_Motor.Cmd_Stop
0022
0023
0024 // RESET MIXER MOTOR STATE:
0025 // IF NOT STOP PROCESS AND NOT SYSTEM FAILURE (NOT OVERLOAD) AND MOTOR_PV == 0
0026 // OR NEGATIVE EDGE OF GENERIC START
0027     UN     "Var_System_DB".System_Generic.Stop_Process
0028     UN     "Var_System_DB".System_Generic.System_Failure
0029     U(
0030     L      "Var_System_DB".Mixer_Motor.PV
0031     L      0
0032     ==I
0033     )
0034     O(
0035     U      "Var_System_DB".System_Generic.Start
0036     FN     "Tag_26"
0037     )
0038     R      "Var_System_DB".Mixer_Motor.State
0039
0040
0041 // MOTOR MEMORY STATE IN CASE STOP BUTTON PRESSED AND THE MOTOR WAS ACTIVE
0042 // WE WANT TO KEEP THE MOTOR ON AFTER THE STOP BUTTON
0043     U      "Var_System_DB".Mixer_Motor.Feedback
0044     S      "Var_System_DB".Mixer_Motor.State
0045
```

Network 2:

