Name	Value	Data Type	Scope
ABB_Loop_Conv_ES_Ch1	1	BOOL	AdvManLab
Cell 3 Conveyor Pull Cord / E-Stop Ch1			
Constant	No		
External Access:	Read/Write		
ABB_Loop_Conv_ES_Ch1 - SafetyProgram /EStopsAndGates - 4(ESTOP)			
*ABB_Loop_Conv_ES_Ch1 - SafetyProgram /Map_Inputs - *13(OTE)*			
ABB_Loop_Conv_ES_Ch2	1	BOOL	AdvManLab
Cell 3 Conveyor Pull Cord / E-Stop Ch2			
Constant	No		
External Access:	Read/Write		
ABB_Loop_Conv_ES_Ch2 - SafetyProgram /EStopsAndGates - 4(ESTOP)			
*ABB_Loop_Conv_ES_Ch2 - SafetyProgram /Map_Inputs - *13(OTE)*			
ABB_Loop_Conv_Safety_OK	1	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
ABB_Loop_Conv_Safety_OK - SafetyProgram /Cell_3_VFD - 0(XIC)			
*ABB_Loop_Conv_Safety_OK - SafetyProgram /EStopsAndGates - *22(OTE)*			
ABB_Loop_Speed	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
*ABB_Loop_Speed - MainProgram/HMI - *1(DIV)*			
ABBLoopPullCordES		EMERGENCY_STOP	AdvManLab
EStop / Cable On ABB Loop			
Constant	No		
External Access:	Read/Write		
*ABBLoopPullCordES - SafetyProgram /EStopsAndGates - *4(ESTOP)*			
ABBLoopPullCordES.EnableIn	1	BOOL	
EStop / Cable On ABB Loop			
ABBLoopPullCordES.ResetType	0	BOOL	
EStop / Cable On ABB Loop			
ABBLoopPullCordES.ChannelA	1	BOOL	
EStop / Cable On ABB Loop			
ABBLoopPullCordES.ChannelB	1	BOOL	
EStop / Cable On ABB Loop			
ABBLoopPullCordES.CircuitReset	0	BOOL	
EStop / Cable On ABB Loop			
ABBLoopPullCordES.FaultReset	0	BOOL	
EStop / Cable On ABB Loop			
ABBLoopPullCordES.EnableOut	1	BOOL	
EStop / Cable On ABB Loop			
ABBLoopPullCordES.O1	1	BOOL	
EStop / Cable On ABB Loop			
ABBLoopPullCordES.O1 - SafetyProgram /EStopsAndGates - 22(XIC), 24(XIC)			

ABBLoopPullCordES (Continued)

ABBLoopPullCordES.CI	0	BOOL	
EStop / Cable On ABB Loop			
ABBLoopPullCordES.CRHO	0	BOOL	
EStop / Cable On ABB Loop			
ABBLoopPullCordES.II	0	BOOL	
EStop / Cable On ABB Loop			
ABBLoopPullCordES.FP	0	BOOL	
EStop / Cable On ABB Loop			
ABBLoopSTO_O1	1	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
*ABBLoopSTO_O1 - SafetyProgram/Cell_3_VFD - *0(OTE)*			
ABBLoopSTO_O1 - SafetyProgram/Map_Outputs - 2(XIC)			
ABBLoopSTO_O2	1	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
*ABBLoopSTO_O2 - SafetyProgram/Cell_3_VFD - *0(OTE)*			
ABBLoopSTO_O2 - SafetyProgram/Map_Outputs - 2(XIC)			
ABBLoopVFD		PF525_Faceplate_AOI	AdvManLab
PF525 Drive FTView ME Faceplate AOI			
Constant	No		
External Access:	Read/Write		
*ABBLoopVFD - MainProgram/Cell_3_VFD - *0(PF525_Faceplate_AOI)*			
ABBLoopVFD.EnableIn	1	BOOL	
PF525 Drive FTView ME Faceplate AOI Enable Input - System Defined Parameter			
ABBLoopVFD.EnableOut	1	BOOL	
PF525 Drive FTView ME Faceplate AOI Enable Output - System Defined Parameter			
ABBLoopVFD.Inp_NumRowsVis	9	DINT	
PF525 Drive FTView ME Faceplate AOI			
ABBLoopVFD.Set_FaceplateAnimation	0	INT	
PF525 Drive FTView ME Faceplate AOI			
ABBLoopVFD.Sts_ProgramModeEnabled	1	BOOL	
PF525 Drive FTView ME Faceplate AOI			
ABBLoopVFD.Sts_OperatorModeEnabled	0	BOOL	
PF525 Drive FTView ME Faceplate AOI			
ABBLoopVFD.Sts_DriveStatus_Faulted	1	BOOL	
PF525 Drive FTView ME Faceplate AOI			
ABBLoopVFD.Sts_DriveStatus_Active	0	BOOL	
PF525 Drive FTView ME Faceplate AOI			
ABBLoopVFD.Sts_DriveStatus_Ready	0	BOOL	
PF525 Drive FTView ME Faceplate AOI			
ABBLoopVFD.Sts_DriveStatus_Alarm	0	BOOL	
PF525 Drive FTView ME Faceplate AOI			
ABBLoopVFD.Sts_DriveStatus_AtSpeed	0	BOOL	

ABBLoopVFD (Continued)		
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Sts_CommFault	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Sts_DriveStatus_ActualDir	1	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Sts_DeviceState	2	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Sts_Value1	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Sts_Value2	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Sts_Value3	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Sts_Value4	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Set_TrendNextPenOper	0	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Set_Value1Min	0	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Set_Value1Max	60	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Set_Value2Min	0	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Set_Value2Max	1	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Set_Value3Max	1	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Set_Value3Min	0	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Val_TrendMax	60	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Val_TrendMin	0	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Val_SpdFdbk_Units	0	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Val_Fault1Code	52059	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_OperOperReq	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_ProgOperReq	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_OperProgReq	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_ProgProgReq	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_StartOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		

ABBLoopVFD (Continued)

ABBLoopVFD.Cmd_StartProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_StopOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_StopProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_ResetOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_ResetOper - MainProgram/Cell_3_VFD - 6(XIC)		
ABBLoopVFD.Cmd_ResetProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_ResetProg - MainProgram/Cell_3_VFD - 6(XIC)		
ABBLoopVFD.Cmd_JogOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_JogProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_FwdOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_FwdProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_RevOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_RevProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_OperToProgPermissive	1	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_ProgToOperPermissive	1	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Set_SpeedOper	0	INT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_MOPIncProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_MOPIncOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_Accel1Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_Accel2Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_Decel1Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_Decel2Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_Accel1Prog	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_Accel2Prog	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_Decel1Prog	0	BOOL

ABBLoopVFD (Continued)		
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_Decel2Prog	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_MOPDecProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_MOPDecOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Set_AccelProg	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Set_DecelProg	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Set_CommFaultTimerPresetProg	10000	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_LocalContrlProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_LocalContrlOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_FreqSel01Prog	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_FreqSel01Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_FreqSel02Prog	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_FreqSel02Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_FreqSel03Prog	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Cmd_FreqSel03Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Set_SpeedProg	0	INT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Set_CommFaultTimerPresetOper	0	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Set_DecelOper	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Set_AccelOper	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Inp_FaultCode	0	DINT
PF525 Drive FTView ME Faceplate AOI Fault Code		
ABBLoopVFD.NotReady_Fault	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.CLEAR_Fault	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Module_FaultTrigger	0	BOOL
PF525 Drive FTView ME Faceplate AOI		

ABBLoopVFD (Continued)

ABBLoopVFD.Module_FaultCode	0	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.RESET_Fault	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Inp_Display_Val_1	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Inp_Display_Val_2	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Inp_Display_Val_3	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Inp_Display_Val_4	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Comm_Status	16384	DINT
PF525 Drive FTView ME Faceplate AOI		
*ABBLoopVFD.Comm_Status - MainProgram/Cell_3_VFD - *3(MOV)*		
ABBLoopVFD.Sts_DriveStatus_CommFault	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Inst_Error	1	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.LastFaultCode	59	DINT
PF525 Drive FTView ME Faceplate AOI		
*ABBLoopVFD.LastFaultCode - MainProgram/Cell_3_VFD - *1(MOV)*		
ABBLoopVFD.SpdRef_Units	30	INT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.SpdScaler60Hz	1.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.GearRatio	1.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Out_SpdRef_Units	30	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Val_OutputFreq	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Val_OutputCurrent	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Val_OutputVoltage	0	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Sts_PowerflexAlarmTrigger	52059	DINT
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Sts_PowerflexAlarmTrigger - MainProgram/Cell_3_VFD - 5(MOV)		
ABBLoopVFD.Controller_trigger	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.Controller_trigger - MainProgram/Cell_3_VFD - 5(XIC)		

ABBLoopVFD_N046:I		AB:PowerFlex525V_E_8A02D441:I:0	AdvManLab
Constant	No		
External Access:	Read/Write		
*ABBLoopVFD_N046:I - MainProgram/Cell_3_VFD - *0(PF525_Faceplate_AOI)*			

ABBLoopVFD_N046:I (Continued)
ABBLoopVFD_N046:I.OutputFreq 0 INT
ABBLoopVFD_N046:I.OutputFreq - MainProgram/HMI - 1(DIV)

ABBLoopVFD_N046:O AB:PowerFlex525V_E_5483BAFD:O:0 AdvManLab
Constant No
External Access: Read/Write
*ABBLoopVFD_N046:O - MainProgram/Cell_3_VFD - *0(PF525_Faceplate_AOI)*

ASynch 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*ASynch - MainProgram/Unused_Vernnaliz - *3(OTE)*

Auto_Valves_Safe01 85 SINT AdvManLab
Constant No
Mapped With: Auto_Valves01
External Access: Read/Write
Auto_Valves_Safe01 - SafetyProgram /ValveManifold - 1(COP)

Auto_Valves_Safe02 101 SINT AdvManLab
Constant No
Mapped With: Auto_Valves02
External Access: Read/Write
Auto_Valves_Safe02 - SafetyProgram /ValveManifold - 1(COP)

Auto_Valves01 85 SINT AdvManLab
Constant No
External Access: Read/Write
Auto_Valves01.0 1 BOOL
*Auto_Valves01.0 - MainProgram/Control_Valve - *8(OTE)*
Auto_Valves01.1 0 BOOL
*Auto_Valves01.1 - MainProgram/Control_Valve - *9(OTE)*
Auto_Valves01.2 1 BOOL
*Auto_Valves01.2 - MainProgram/Control_Valve - *10(OTE)*
Auto_Valves01.3 0 BOOL
*Auto_Valves01.3 - MainProgram/Control_Valve - *11(OTE)*
Auto_Valves01.4 1 BOOL
*Auto_Valves01.4 - MainProgram/Control_Valve - *12(OTE)*
Auto_Valves01.5 0 BOOL
*Auto_Valves01.5 - MainProgram/Control_Valve - *13(OTE)*
Auto_Valves01.6 1 BOOL
*Auto_Valves01.6 - MainProgram/Control_Valve - *14(OTE)*
Auto_Valves01.7 0 BOOL
*Auto_Valves01.7 - MainProgram/Control_Valve - *15(OTE)*

Auto_Valves02 101 SINT AdvManLab
Constant No

Auto_Valves02 (Continued)
External Access: Read/Write
Auto_Valves02.0 1 BOOL
*Auto_Valves02.0 - MainProgram/Control_Valve - *16(OTE)*
Auto_Valves02.1 0 BOOL
*Auto_Valves02.1 - MainProgram/Control_Valve - *17(OTE)*
Auto_Valves02.2 1 BOOL
*Auto_Valves02.2 - MainProgram/Control_Valve - *18(OTE)*
Auto_Valves02.3 0 BOOL
*Auto_Valves02.3 - MainProgram/Control_Valve - *19(OTE)*
Auto_Valves02.4 0 BOOL
*Auto_Valves02.4 - MainProgram/Control_Valve - *20(OTE)*
Auto_Valves02.5 1 BOOL
*Auto_Valves02.5 - MainProgram/Control_Valve - *21(OTE)*
Auto_Valves02.6 1 BOOL
*Auto_Valves02.6 - MainProgram/Control_Valve - *22(OTE)*
Auto_Valves02.7 0 BOOL
*Auto_Valves02.7 - MainProgram/Control_Valve - *23(OTE)*

AutoDelay TIMER AdvManLab
Constant No
External Access: Read/Write
*AutoDelay - MainProgram/Mode_ZZ - *3(TON)*
AutoDelay.DN 0 BOOL
AutoDelay.DN - MainProgram/Mode_ZZ - 4(XIC)

AutoProgStart TIMER AdvManLab
Constant No
External Access: Read/Write
*AutoProgStart - MainProgram/System - *4(TON)*
AutoProgStart.TT 0 BOOL
AutoProgStart.TT - MainProgram/System - 4(XIC)

BobsBits 65888 DINT AdvManLab
Constant No
External Access: Read/Write
BobsBits.0 0 BOOL
Test bit to trigger part to CNC3
BobsBits.5 1 BOOL
*BobsBits.5 - MainProgram/CNC3 - *3(OTL)*
BobsBits.6 1 BOOL
*BobsBits.6 - MainProgram/Cell_2_ZZ - *11(OTL)*
BobsBits.8 1 BOOL
BobsBits.8 - MainProgram/CNC3 - 4(XIC)
BobsBits.16 1 BOOL
*BobsBits.16 - MainProgram/Cell_1_ZZ - *14(OTL)*

C1_N011:1:I AB:1734_IB8S_Safety5:I:0 AdvManLab

C1_N011:1:I (Continued)

Constant	No		
External Access:	Read/Write		
C1_N011:1:I.ConnectionFaulted	1	BOOL	
C1_N011:1:I.ConnectionFaulted - SafetyProgram /Map_Inputs - 3(XIO)			
C1_N011:1:I.Pt00Data	0	BOOL	
C1_N011:1:I.Pt00Data - SafetyProgram /Map_Inputs - 3(XIC)			
C1_N011:1:I.Pt01Data	0	BOOL	
C1_N011:1:I.Pt01Data - SafetyProgram /Map_Inputs - 3(XIC)			
C1_N011:1:I.Pt02Data	0	BOOL	
C1_N011:1:I.Pt02Data - SafetyProgram /Map_Inputs - 3(XIC)			
C1_N011:1:I.Pt03Data	0	BOOL	
C1_N011:1:I.Pt03Data - SafetyProgram /Map_Inputs - 3(XIC)			
C1_N011:1:I.Pt04Data	0	BOOL	
C1_N011:1:I.Pt04Data - SafetyProgram /Map_Inputs - 3(XIC)			
C1_N011:1:I.Pt05Data	0	BOOL	
C1_N011:1:I.Pt05Data - SafetyProgram /Map_Inputs - 3(XIC)			
C1_N011:1:I.Pt06Data	0	BOOL	
C1_N011:1:I.Pt06Data - SafetyProgram /Map_Inputs - 3(XIC)			
C1_N011:1:I.Pt07Data	0	BOOL	
C1_N011:1:I.Pt07Data - SafetyProgram /Map_Inputs - 3(XIC)			

C1_N011:2:I AB:1734_IB8S_Safety5:I:0 AdvManLab

Constant	No		
External Access:	Read/Write		
C1_N011:2:I.ConnectionFaulted	1	BOOL	
C1_N011:2:I.ConnectionFaulted - SafetyProgram /Map_Inputs - 4(XIO)			
C1_N011:2:I.Pt00Data	0	BOOL	
C1_N011:2:I.Pt00Data - SafetyProgram /Map_Inputs - 4(XIC)			
C1_N011:2:I.Pt01Data	0	BOOL	
C1_N011:2:I.Pt01Data - SafetyProgram /Map_Inputs - 4(XIC)			
C1_N011:2:I.Pt02Data	0	BOOL	
C1_N011:2:I.Pt02Data - SafetyProgram /Map_Inputs - 4(XIC)			
C1_N011:2:I.Pt03Data	0	BOOL	
C1_N011:2:I.Pt03Data - SafetyProgram /Map_Inputs - 4(XIC)			
C1_N011:2:I.Pt04Data	0	BOOL	
C1_N011:2:I.Pt04Data - SafetyProgram /Map_Inputs - 4(XIC)			
C1_N011:2:I.Pt05Data	0	BOOL	
C1_N011:2:I.Pt05Data - SafetyProgram /Map_Inputs - 4(XIC)			
C1_N011:2:I.Pt06Data	0	BOOL	
C1_N011:2:I.Pt06Data - SafetyProgram /Map_Inputs - 4(XIC)			
C1_N011:2:I.Pt07Data	0	BOOL	
C1_N011:2:I.Pt07Data - SafetyProgram /Map_Inputs - 4(XIC)			

C1_N011:3:I AB:1734_IB8S_Safety5:I:0 AdvManLab

Constant	No		
External Access:	Read/Write		
C1_N011:3:I.ConnectionFaulted	1	BOOL	

C1_N011:3:I (Continued)
C1_N011:3:I.ConnectionFaulted - SafetyProgram /EStopsAndGates - 7(XIO), 8(XIO)
C1_N011:3:I.ConnectionFaulted - SafetyProgram /Map_Inputs - 5(XIO)

C1_N011:3:I.Pt00Data	0	BOOL
C1_N011:3:I.Pt00Data - SafetyProgram /Map_Inputs - 5(XIO)		
C1_N011:3:I.Pt01Data	0	BOOL
C1_N011:3:I.Pt01Data - SafetyProgram /Map_Inputs - 5(XIO)		
C1_N011:3:I.Pt02Data	0	BOOL
C1_N011:3:I.Pt02Data - SafetyProgram /Map_Inputs - 5(XIO)		
C1_N011:3:I.Pt03Data	0	BOOL
C1_N011:3:I.Pt03Data - SafetyProgram /Map_Inputs - 5(XIO)		
C1_N011:3:I.Pt04Data	0	BOOL
C1_N011:3:I.Pt04Data - SafetyProgram /Map_Inputs - 5(XIC)		
C1_N011:3:I.Pt05Data	0	BOOL
C1_N011:3:I.Pt05Data - SafetyProgram /Map_Inputs - 5(XIC)		
C1_N011:3:I.Pt06Data	0	BOOL
C1_N011:3:I.Pt06Data - SafetyProgram /Map_Inputs - 5(XIC)		
C1_N011:3:I.Pt07Data	0	BOOL
C1_N011:3:I.Pt07Data - SafetyProgram /Map_Inputs - 5(XIC)		

C1_N011:4:I		AB:1734_IB8S_Safety5:I:0	AdvManLab
Constant	No		
External Access:	Read/Write		
C1_N011:4:I.ConnectionFaulted	1	BOOL	
C1_N011:4:I.ConnectionFaulted - SafetyProgram /Map_Inputs - 6(XIO)			
C1_N011:4:I.Pt00Data	0	BOOL	
C1_N011:4:I.Pt00Data - SafetyProgram /Map_Inputs - 6(XIC)			
C1_N011:4:I.Pt01Data	0	BOOL	
C1_N011:4:I.Pt01Data - SafetyProgram /Map_Inputs - 6(XIC)			
C1_N011:4:I.Pt02Data	0	BOOL	
C1_N011:4:I.Pt02Data - SafetyProgram /Map_Inputs - 6(XIC)			
C1_N011:4:I.Pt03Data	0	BOOL	
C1_N011:4:I.Pt03Data - SafetyProgram /Map_Inputs - 6(XIC)			
C1_N011:4:I.Pt04Data	0	BOOL	
C1_N011:4:I.Pt04Data - SafetyProgram /Map_Inputs - 6(XIC)			
C1_N011:4:I.Pt05Data	0	BOOL	
C1_N011:4:I.Pt05Data - SafetyProgram /Map_Inputs - 6(XIC)			
C1_N011:4:I.Pt06Data	0	BOOL	
C1_N011:4:I.Pt06Data - SafetyProgram /Map_Inputs - 6(XIC)			
C1_N011:4:I.Pt07Data	0	BOOL	
C1_N011:4:I.Pt07Data - SafetyProgram /Map_Inputs - 6(XIC)			

C1_N011:5:I		AB:1734_OB8S_Safety2:I:0	AdvManLab
Constant	No		
External Access:	Read/Write		
C1_N011:5:I.ConnectionFaulted	1	BOOL	
C1_N011:5:I.ConnectionFaulted - SafetyProgram /Map_Outputs - 3(XIO)			

C1_N011:5:O		AB:1734_OB8S:O:0	AdvManLab
Constant	No		
External Access:	Read/Write		
C1_N011:5:O.Pt00Data	0	BOOL	
*C1_N011:5:O.Pt00Data - SafetyProgram/Map_Outputs - *3(OTE)*			
C1_N011:5:O.Pt01Data	1	BOOL	
*C1_N011:5:O.Pt01Data - SafetyProgram/Map_Outputs - *3(OTE)*			
C1_N011:5:O.Pt02Data	0	BOOL	
*C1_N011:5:O.Pt02Data - SafetyProgram/Map_Outputs - *3(OTE)*			
C1_N011:5:O.Pt03Data	0	BOOL	
*C1_N011:5:O.Pt03Data - SafetyProgram/Map_Outputs - *3(OTE)*			
C1_N011:5:O.Pt04Data	0	BOOL	
*C1_N011:5:O.Pt04Data - SafetyProgram/Map_Outputs - *3(OTE)*			
C1_N011:5:O.Pt05Data	0	BOOL	
*C1_N011:5:O.Pt05Data - SafetyProgram/Map_Outputs - *3(OTE)*			
C1_N011:5:O.Pt06Data	0	BOOL	
*C1_N011:5:O.Pt06Data - SafetyProgram/Map_Outputs - *3(OTE)*			
C1_N011:5:O.Pt07Data	0	BOOL	
*C1_N011:5:O.Pt07Data - SafetyProgram/Map_Outputs - *3(OTE)*			
C1_N011:6:I	2#0000_0000	SINT	AdvManLab
AliasFor:	C1_N011:I.Data[6]		
Base Tag:	C1_N011:I.Data[6]		
Constant	No		
External Access:	Read/Write		
C1_N011:6:I.7	0	BOOL	
Inside C1 RFID1			
PPX1 - MainProgram/Cell_1_ZZ - 5(XIO), 8(XIC)			
C1_N011:I		AB:1734_8SLOT:I:0	AdvManLab
External Access:	Read/Write		
C1_N011:I.Data[6].7	0	BOOL	
PPX1 - MainProgram/Cell_1_ZZ - 5(XIO), 8(XIC)			
C1_Robot_ES_OK	1	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
*C1_Robot_ES_OK - SafetyProgram/EStopsAndGates - *23(OTE)*			
C1_Robot_ES_OK - SafetyProgram/Map_Outputs - 3(XIC)			
C1_Robot_Gates_OK	0	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
*C1_Robot_Gates_OK - SafetyProgram/EStopsAndGates - *23(OTE)*			
C1_Robot_Gates_OK - SafetyProgram/Map_Outputs - 3(XIC)			
C1EASRelay_Monitor	0	BOOL	AdvManLab
Robot External Safety Gate Relay Monitor			

C1EASRelay_Monitor (Continued)
Constant No
External Access: Read/Write
*C1EASRelay_Monitor - SafetyProgram /Map_Inputs - *4(OTE)*

C1EESRelay_Monitor 0 BOOL AdvManLab
Robot External EStop Relay Monitor
Constant No
External Access: Read/Write
*C1EESRelay_Monitor - SafetyProgram /Map_Inputs - *4(OTE)*

C1HoldBack PalletStop AdvManLab
Constant No
External Access: Read/Write
C1HoldBack.Ext 1 BOOL
Extend Stop
*C1HoldBack.Ext - MainProgram/Cell_1_ZZ - *6(OTU), *7(OTL)*
C1HoldBack.Ext - MainProgram/Control_Valve - 8(XIC)
C1HoldBack.Ret 0 BOOL
Retract Stop
*C1HoldBack.Ret - MainProgram/Cell_1_ZZ - *6(OTL), *7(OTU)*
C1HoldBack.Ret - MainProgram/Control_Valve - 9(XIC)

C1RobotStop PalletStop AdvManLab
Constant No
External Access: Read/Write
C1RobotStop.Ext 1 BOOL
Extend Stop
*C1RobotStop.Ext - MainProgram/Cell_1_ZZ - *13(OTU), *17(OTL)*
C1RobotStop.Ext - MainProgram/Control_Valve - 10(XIC)
C1RobotStop.Ret 0 BOOL
Retract Stop
*C1RobotStop.Ret - MainProgram/Cell_1_ZZ - *13(OTL), *17(OTU)*
C1RobotStop.Ret - MainProgram/Control_Valve - 11(XIC)

C1RobotStopPalletTransit TIMER AdvManLab
Constant No
External Access: Read/Write
*C1RobotStopPalletTransit - MainProgram/Cell_1_ZZ - *16(TON)*
C1RobotStopPalletTransit.DN 0 BOOL
C1RobotStopPalletTransit.DN - MainProgram/Cell_1_ZZ - 17(XIC)

C1RobotStopRetractConditions 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*C1RobotStopRetractConditions - MainProgram/Cell_1_ZZ - *13(OTE), 16(XIO), 17(XIO)*

C1S Fanuc_Cell_Safe AdvManLab

C1S (Continued)
Data related to Fanuc Machining Cell
Maximum Consumers: 4
Include Connection Status: Yes
Send Data State Change Event to Consumer(s): Yes
Allow Unicast Consumer Connections: Yes
Constant No
External Access: Read/Write

C1S.ConnStat		CONNECTION_STATUS
Data related to Fanuc Machining Cell		
C1S.ConnStat.RunMode	0	BOOL
Data related to Fanuc Machining Cell		
C1S.ConnStat.ConnectionFaulted	0	BOOL
Data related to Fanuc Machining Cell		
C1S.CNC_A		CNC_Safetys
Data related to Fanuc Machining Cell First CNC		
C1S.CNC_A.ConnStat		CONNECTION_STATUS
Data related to Fanuc Machining Cell First CNC		
C1S.CNC_A.ConnStat.RunMode	0	BOOL
Data related to Fanuc Machining Cell First CNC		
C1S.CNC_A.ConnStat.ConnectionFaulted	0	BOOL
Data related to Fanuc Machining Cell First CNC		
C1S.CNC_A.LC_Ch1	1	BOOL
CNC1 Light Screen Ch1		
C1S.CNC_A.LC_Ch1 - SafetyProgram /EStopsAndGates - 9(LC)		
*C1S.CNC_A.LC_Ch1 - SafetyProgram /Map_Inputs - *3(OTE)*		
C1S.CNC_A.LC_Ch2	1	BOOL
CNC1 Light Screen Ch2		
C1S.CNC_A.LC_Ch2 - SafetyProgram /EStopsAndGates - 9(LC)		
*C1S.CNC_A.LC_Ch2 - SafetyProgram /Map_Inputs - *3(OTE)*		
C1S.CNC_A.DoorSW_Ch1	0	BOOL
CNC1 Door Switch Ch1		
C1S.CNC_A.DoorSW_Ch1 - SafetyProgram /EStopsAndGates - 9(RIN)		
*C1S.CNC_A.DoorSW_Ch1 - SafetyProgram /Map_Inputs - *3(OTE)*		
C1S.CNC_A.DoorSW_Ch2	0	BOOL
CNC1 Door Switch Ch2		
C1S.CNC_A.DoorSW_Ch2 - SafetyProgram /EStopsAndGates - 9(RIN)		
*C1S.CNC_A.DoorSW_Ch2 - SafetyProgram /Map_Inputs - *3(OTE)*		
C1S.CNC_A.EStop_Ch1	1	BOOL
Data related to Fanuc Machining Cell CNC E-Stop Button Channel 1		
C1S.CNC_A.EStop_Ch1 - SafetyProgram /EStopsAndGates - 3(ESTOP)		
*C1S.CNC_A.EStop_Ch1 - SafetyProgram /Map_Inputs - *3(OTE)*		
C1S.CNC_A.EStop_Ch2	1	BOOL
Data related to Fanuc Machining Cell CNC E-Stop Button Channel 2		
C1S.CNC_A.EStop_Ch2 - SafetyProgram /EStopsAndGates - 3(ESTOP)		
*C1S.CNC_A.EStop_Ch2 - SafetyProgram /Map_Inputs - *3(OTE)*		
C1S.CNC_A.UserDef1	0	BOOL
Data related to Fanuc Machining Cell Spare Channel 1		

C1S (Continued)

C1S.CNC_A.UserDef2	0	BOOL
Data related to Fanuc Machining Cell Spare Channel 2		
C1S.CNC_B		CNC_Safetys
Data related to Fanuc Machining Cell Second CNC		
C1S.CNC_B.ConnStat		CONNECTION_STATUS
Data related to Fanuc Machining Cell Second CNC		
C1S.CNC_B.ConnStat.RunMode	0	BOOL
Data related to Fanuc Machining Cell Second CNC		
C1S.CNC_B.ConnStat.ConnectionFaulted	0	BOOL
Data related to Fanuc Machining Cell Second CNC		
C1S.CNC_B.LC_Ch1	1	BOOL
CNC2 Light Screen Ch1		
C1S.CNC_B.LC_Ch1 - SafetyProgram /EStopsAndGates - 10(LC)		
*C1S.CNC_B.LC_Ch1 - SafetyProgram /Map_Inputs - *6(OTE)*		
C1S.CNC_B.LC_Ch2	1	BOOL
CNC2 Light Screen Ch2		
C1S.CNC_B.LC_Ch2 - SafetyProgram /EStopsAndGates - 10(LC)		
*C1S.CNC_B.LC_Ch2 - SafetyProgram /Map_Inputs - *6(OTE)*		
C1S.CNC_B.DoorSW_Ch1	1	BOOL
CNC2 Door Switch Ch1		
C1S.CNC_B.DoorSW_Ch1 - SafetyProgram /EStopsAndGates - 10(RIN)		
*C1S.CNC_B.DoorSW_Ch1 - SafetyProgram /Map_Inputs - *6(OTE)*		
C1S.CNC_B.DoorSW_Ch2	1	BOOL
CNC2 Door Switch Ch2		
C1S.CNC_B.DoorSW_Ch2 - SafetyProgram /EStopsAndGates - 10(RIN)		
*C1S.CNC_B.DoorSW_Ch2 - SafetyProgram /Map_Inputs - *6(OTE)*		
C1S.CNC_B.EStop_Ch1	1	BOOL
Data related to Fanuc Machining Cell CNC E-Stop Button Channel 1		
C1S.CNC_B.EStop_Ch1 - SafetyProgram /EStopsAndGates - 3(ESTOP)		
*C1S.CNC_B.EStop_Ch1 - SafetyProgram /Map_Inputs - *6(OTE)*		
C1S.CNC_B.EStop_Ch2	1	BOOL
Data related to Fanuc Machining Cell CNC E-Stop Button Channel 2		
C1S.CNC_B.EStop_Ch2 - SafetyProgram /EStopsAndGates - 3(ESTOP)		
*C1S.CNC_B.EStop_Ch2 - SafetyProgram /Map_Inputs - *6(OTE)*		
C1S.CNC_B.UserDef1	0	BOOL
Data related to Fanuc Machining Cell Spare Channel 1		
C1S.CNC_B.UserDef2	0	BOOL
Data related to Fanuc Machining Cell Spare Channel 2		
C1S.Perim		Cell_Perimeter
Data related to Fanuc Machining Cell Cell Perimeter I/O		
C1S.Perim.ConnStat		CONNECTION_STATUS
Data related to Fanuc Machining Cell Cell Perimeter I/O		
C1S.Perim.ConnStat.RunMode	0	BOOL
Data related to Fanuc Machining Cell Cell Perimeter I/O		
C1S.Perim.ConnStat.ConnectionFaulted	0	BOOL
Data related to Fanuc Machining Cell Cell Perimeter I/O		
C1S.Perim.GateSW_Ch1	1	BOOL

C1S (Continued)

Cell 1 Gate Switch Ch1
C1S.Perim.GateSW_Ch1 - SafetyProgram /EStopsAndGates - 6(RIN)
*C1S.Perim.GateSW_Ch1 - SafetyProgram /Map_Inputs - *4(OTE)*

C1S.Perim.GateSW_Ch2 1 BOOL
Cell 1 Gate Switch Ch2
C1S.Perim.GateSW_Ch2 - SafetyProgram /EStopsAndGates - 6(RIN)
*C1S.Perim.GateSW_Ch2 - SafetyProgram /Map_Inputs - *4(OTE)*

C1S.Perim.Ent_LC_Ch1 0 BOOL
Cell 1 Entry Light Screen Ch1
C1S.Perim.Ent_LC_Ch1 - SafetyProgram /EStopsAndGates - 7(LC)
*C1S.Perim.Ent_LC_Ch1 - SafetyProgram /Map_Inputs - *4(OTE)*

C1S.Perim.Ent_LC_Ch2 0 BOOL
Cell 1 Entry Light Screen Ch2
C1S.Perim.Ent_LC_Ch2 - SafetyProgram /EStopsAndGates - 7(LC)
*C1S.Perim.Ent_LC_Ch2 - SafetyProgram /Map_Inputs - *4(OTE)*

C1S.Perim.Exit_LC_Ch1 1 BOOL
Cell 1 Exit Light Screen Ch1
C1S.Perim.Exit_LC_Ch1 - SafetyProgram /EStopsAndGates - 8(LC)
*C1S.Perim.Exit_LC_Ch1 - SafetyProgram /Map_Inputs - *4(OTE)*

C1S.Perim.Exit_LC_Ch2 1 BOOL
Cell 1 Exit Light Screen Ch2
C1S.Perim.Exit_LC_Ch2 - SafetyProgram /EStopsAndGates - 8(LC)
*C1S.Perim.Exit_LC_Ch2 - SafetyProgram /Map_Inputs - *4(OTE)*

C1S.Perim.Ent_Mute1 0 BOOL
Entry Mute 1 (Mute Signals Inverted)
C1S.Perim.Ent_Mute1 - SafetyProgram /EStopsAndGates - 7(TSSM)
*C1S.Perim.Ent_Mute1 - SafetyProgram /Map_Inputs - *5(OTE)*

C1S.Perim.Ent_Mute2 0 BOOL
Entry Mute 2 (Mute Signals Inverted)
C1S.Perim.Ent_Mute2 - SafetyProgram /EStopsAndGates - 7(TSSM)
*C1S.Perim.Ent_Mute2 - SafetyProgram /Map_Inputs - *5(OTE)*

C1S.Perim.Exit_Mute1 1 BOOL
Exit Mute 1 (Mute Signals Inverted)
C1S.Perim.Exit_Mute1 - SafetyProgram /EStopsAndGates - 8(TSSM)
*C1S.Perim.Exit_Mute1 - SafetyProgram /Map_Inputs - *5(OTE)*

C1S.Perim.Exit_Mute2 1 BOOL
Exit Mute 2 (Mute Signals Inverted)
C1S.Perim.Exit_Mute2 - SafetyProgram /EStopsAndGates - 8(TSSM)
*C1S.Perim.Exit_Mute2 - SafetyProgram /Map_Inputs - *5(OTE)*

C1S.Perim.Ent_LC_Over 0 BOOL
Data related to Fanuc Machining Cell Override Entry LC Muting
C1S.Perim.Ent_LC_Over - SafetyProgram /EStopsAndGates - 7(TSSM)

C1S.Perim.Exit_LC_Over 0 BOOL
Data related to Fanuc Machining Cell Override Exit LC Muting
C1S.Perim.Exit_LC_Over - SafetyProgram /EStopsAndGates - 8(TSSM)

C1S.Perim.EntMuteStatOK 1 BOOL
Data related to Fanuc Machining Cell Status of connection to muting sensors is OK

C1S (Continued)
*C1S.Perim.EntMuteStatOK - SafetyProgram /EStopsAndGates - *7(OTE), 7(TSSM)*
C1S.Perim.ExitMuteStatOK 1 BOOL
Data related to Fanuc Machining Cell Status of connection to muting sensors is OK
*C1S.Perim.ExitMuteStatOK - SafetyProgram /EStopsAndGates - *8(OTE), 8(TSSM)*
C1S.Perim.OK 0 BOOL
Data related to Fanuc Machining Cell Perimeter is Secure
*C1S.Perim.OK - SafetyProgram /Cell_1 - *0(OTE)*
C1S.Perim.OK - SafetyProgram /EStopsAndGates - 23(XIC)
C1S.Perim.Ent_LC_Not_Blocked 0 BOOL
Data related to Fanuc Machining Cell Inverted LCB bit
*C1S.Perim.Ent_LC_Not_Blocked - SafetyProgram /EStopsAndGates - *7(OTE), 7(TSSM)*
C1S.Perim.Exit_LC_Not_Blocked 1 BOOL
Data related to Fanuc Machining Cell Inverted LCB bit
*C1S.Perim.Exit_LC_Not_Blocked - SafetyProgram /EStopsAndGates - *8(OTE), 8(TSSM)*

C2_N021:1:I AB:1734_IB8S_Safety5:I:0 AdvManLab
Constant No
External Access: Read/Write
C2_N021:1:I.ConnectionFaulted 1 BOOL
C2_N021:1:I.ConnectionFaulted - SafetyProgram /Map_Inputs - 8(XIO)
C2_N021:1:I.Pt00Data 0 BOOL
C2_N021:1:I.Pt00Data - SafetyProgram /Map_Inputs - 8(XIC)
C2_N021:1:I.Pt01Data 0 BOOL
C2_N021:1:I.Pt01Data - SafetyProgram /Map_Inputs - 8(XIC)
C2_N021:1:I.Pt02Data 0 BOOL
C2_N021:1:I.Pt02Data - SafetyProgram /Map_Inputs - 8(XIC)
C2_N021:1:I.Pt03Data 0 BOOL
C2_N021:1:I.Pt03Data - SafetyProgram /Map_Inputs - 8(XIC)
C2_N021:1:I.Pt04Data 0 BOOL
C2_N021:1:I.Pt04Data - SafetyProgram /Map_Inputs - 8(XIC)
C2_N021:1:I.Pt05Data 0 BOOL
C2_N021:1:I.Pt05Data - SafetyProgram /Map_Inputs - 8(XIC)
C2_N021:1:I.Pt06Data 0 BOOL
C2_N021:1:I.Pt06Data - SafetyProgram /Map_Inputs - 8(XIC)
C2_N021:1:I.Pt07Data 0 BOOL
C2_N021:1:I.Pt07Data - SafetyProgram /Map_Inputs - 8(XIC)

C2_N021:2:I AB:1734_IB8S_Safety5:I:0 AdvManLab
Constant No
External Access: Read/Write
C2_N021:2:I.ConnectionFaulted 1 BOOL
C2_N021:2:I.ConnectionFaulted - SafetyProgram /Map_Inputs - 9(XIO)
C2_N021:2:I.Pt00Data 0 BOOL
C2_N021:2:I.Pt00Data - SafetyProgram /Map_Inputs - 9(XIC)
C2_N021:2:I.Pt01Data 0 BOOL
C2_N021:2:I.Pt01Data - SafetyProgram /Map_Inputs - 9(XIC)
C2_N021:2:I.Pt02Data 0 BOOL

C2_N021:2:I (Continued)
C2_N021:2:I.Pt02Data - SafetyProgram /Map_Inputs - 9(XIC)
C2_N021:2:I.Pt03Data 0 BOOL
C2_N021:2:I.Pt03Data - SafetyProgram /Map_Inputs - 9(XIC)
C2_N021:2:I.Pt04Data 0 BOOL
C2_N021:2:I.Pt04Data - SafetyProgram /Map_Inputs - 9(XIC)
C2_N021:2:I.Pt05Data 0 BOOL
C2_N021:2:I.Pt05Data - SafetyProgram /Map_Inputs - 9(XIC)
C2_N021:2:I.Pt06Data 0 BOOL
C2_N021:2:I.Pt06Data - SafetyProgram /Map_Inputs - 9(XIC)
C2_N021:2:I.Pt07Data 0 BOOL
C2_N021:2:I.Pt07Data - SafetyProgram /Map_Inputs - 9(XIC)

C2_N021:3:I AB:1734_IB8S_Safety5:I:0 AdvManLab
Constant No
External Access: Read/Write
C2_N021:3:I.ConnectionFaulted 1 BOOL
C2_N021:3:I.ConnectionFaulted - SafetyProgram /EStopsAndGates - 13(XIO), 14(XIO)
C2_N021:3:I.ConnectionFaulted - SafetyProgram /Map_Inputs - 10(XIO)
C2_N021:3:I.Pt00Data 0 BOOL
C2_N021:3:I.Pt00Data - SafetyProgram /Map_Inputs - 10(XIO)
C2_N021:3:I.Pt01Data 0 BOOL
C2_N021:3:I.Pt01Data - SafetyProgram /Map_Inputs - 10(XIO)
C2_N021:3:I.Pt02Data 0 BOOL
C2_N021:3:I.Pt02Data - SafetyProgram /Map_Inputs - 10(XIO)
C2_N021:3:I.Pt03Data 0 BOOL
C2_N021:3:I.Pt03Data - SafetyProgram /Map_Inputs - 10(XIO)
C2_N021:3:I.Pt04Data 0 BOOL
C2_N021:3:I.Pt04Data - SafetyProgram /Map_Inputs - 10(XIC)
C2_N021:3:I.Pt05Data 0 BOOL
C2_N021:3:I.Pt05Data - SafetyProgram /Map_Inputs - 10(XIC)
C2_N021:3:I.Pt06Data 0 BOOL
C2_N021:3:I.Pt06Data - SafetyProgram /Map_Inputs - 10(XIC)
C2_N021:3:I.Pt07Data 0 BOOL
C2_N021:3:I.Pt07Data - SafetyProgram /Map_Inputs - 10(XIC)

C2_N021:4:I AB:1734_IB8S_Safety5:I:0 AdvManLab
Constant No
External Access: Read/Write
C2_N021:4:I.ConnectionFaulted 1 BOOL
C2_N021:4:I.ConnectionFaulted - SafetyProgram /Map_Inputs - 11(XIO)
C2_N021:4:I.Pt00Data 0 BOOL
C2_N021:4:I.Pt00Data - SafetyProgram /Map_Inputs - 11(XIC)
C2_N021:4:I.Pt01Data 0 BOOL
C2_N021:4:I.Pt01Data - SafetyProgram /Map_Inputs - 11(XIC)
C2_N021:4:I.Pt02Data 0 BOOL
C2_N021:4:I.Pt02Data - SafetyProgram /Map_Inputs - 11(XIC)
C2_N021:4:I.Pt03Data 0 BOOL

C2_N021:4:I (Continued)
C2_N021:4:I.Pt03Data - SafetyProgram /Map_Inputs - 11(XIC)
C2_N021:4:I.Pt04Data 0 BOOL
C2_N021:4:I.Pt04Data - SafetyProgram /Map_Inputs - 11(XIC)
C2_N021:4:I.Pt05Data 0 BOOL
C2_N021:4:I.Pt05Data - SafetyProgram /Map_Inputs - 11(XIC)
C2_N021:4:I.Pt06Data 0 BOOL
C2_N021:4:I.Pt06Data - SafetyProgram /Map_Inputs - 11(XIC)
C2_N021:4:I.Pt07Data 0 BOOL
C2_N021:4:I.Pt07Data - SafetyProgram /Map_Inputs - 11(XIC)

C2_N021:5:I AB:1734_OB8S_Safety2:I:0 AdvManLab
Constant No
External Access: Read/Write
C2_N021:5:I.ConnectionFaulted 1 BOOL
C2_N021:5:I.ConnectionFaulted - SafetyProgram /Map_Outputs - 4(XIO)

C2_N021:5:O AB:1734_OB8S:O:0 AdvManLab
Constant No
External Access: Read/Write
C2_N021:5:O.Pt00Data 1 BOOL
*C2_N021:5:O.Pt00Data - SafetyProgram /Map_Outputs - *4(OTE)*
C2_N021:5:O.Pt01Data 1 BOOL
*C2_N021:5:O.Pt01Data - SafetyProgram /Map_Outputs - *4(OTE)*
C2_N021:5:O.Pt02Data 0 BOOL
*C2_N021:5:O.Pt02Data - SafetyProgram /Map_Outputs - *4(OTE)*
C2_N021:5:O.Pt03Data 0 BOOL
*C2_N021:5:O.Pt03Data - SafetyProgram /Map_Outputs - *4(OTE)*
C2_N021:5:O.Pt04Data 0 BOOL
*C2_N021:5:O.Pt04Data - SafetyProgram /Map_Outputs - *4(OTE)*
C2_N021:5:O.Pt05Data 0 BOOL
*C2_N021:5:O.Pt05Data - SafetyProgram /Map_Outputs - *4(OTE)*
C2_N021:5:O.Pt06Data 0 BOOL
*C2_N021:5:O.Pt06Data - SafetyProgram /Map_Outputs - *4(OTE)*
C2_N021:5:O.Pt07Data 0 BOOL
*C2_N021:5:O.Pt07Data - SafetyProgram /Map_Outputs - *4(OTE)*

C2_Robot_ES_OK 1 BOOL AdvManLab
Constant No
External Access: Read/Write
*C2_Robot_ES_OK - SafetyProgram /EStopsAndGates - *23(OTE)*
C2_Robot_ES_OK - SafetyProgram /Map_Outputs - 4(XIC)

C2_Robot_Gates_OK 1 BOOL AdvManLab
Constant No
External Access: Read/Write
*C2_Robot_Gates_OK - SafetyProgram /EStopsAndGates - *23(OTE)*
C2_Robot_Gates_OK - SafetyProgram /Map_Outputs - 4(XIC)

C2EASRelay_Monitor 0 BOOL AdvManLab
Robot External Safety Gate Relay Monitor
Constant No
External Access: Read/Write
*C2EASRelay_Monitor - SafetyProgram /Map_Inputs - *9(OTE)*

C2EESRelay_Monitor 0 BOOL AdvManLab
Robot External EStop Relay Monitor
Constant No
External Access: Read/Write
*C2EESRelay_Monitor - SafetyProgram /Map_Inputs - *9(OTE)*

C2HoldBack PalletStop AdvManLab
Constant No
External Access: Read/Write
C2HoldBack.Ext 1 BOOL
Extend Stop
*C2HoldBack.Ext - MainProgram/Cell_2_ZZ - *3(OTU), *4(OTL)*
C2HoldBack.Ext - MainProgram/Control_Valve - 12(XIC)
C2HoldBack.Ret 0 BOOL
Retract Stop
*C2HoldBack.Ret - MainProgram/Cell_2_ZZ - *3(OTL), *4(OTU)*
C2HoldBack.Ret - MainProgram/Control_Valve - 13(XIC)

C2RobotStop PalletStop AdvManLab
Constant No
External Access: Read/Write
C2RobotStop.Ext 1 BOOL
Extend Stop
*C2RobotStop.Ext - MainProgram/Cell_2_ZZ - *10(OTU), *14(OTL)*
C2RobotStop.Ext - MainProgram/Control_Valve - 14(XIC)
C2RobotStop.Ret 0 BOOL
Retract Stop
*C2RobotStop.Ret - MainProgram/Cell_2_ZZ - *10(OTL), *14(OTU)*
C2RobotStop.Ret - MainProgram/Control_Valve - 15(XIC)

C2RobotStopPalletTransit TIMER AdvManLab
Constant No
External Access: Read/Write
*C2RobotStopPalletTransit - MainProgram/Cell_2_ZZ - *13(TON)*
C2RobotStopPalletTransit.DN 0 BOOL
C2RobotStopPalletTransit.DN - MainProgram/Cell_2_ZZ - 14(XIC)

C2RobotStopRetractConditions 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*C2RobotStopRetractConditions - MainProgram/Cell_2_ZZ - *10(OTE), 13(XIO), 14(XIO)*

C2S		Fanuc_Cell_Safe	AdvManLab
Data related to Fanuc Machining Cell			
Maximum Consumers:	4		
Include Connection Status:	Yes		
Send Data State Change Event to Consumer(s):	Yes		
Allow Unicast Consumer Connections:	Yes		
Constant	No		
External Access:	Read/Write		
C2S.ConnStat		CONNECTION_STATUS	
Data related to Fanuc Machining Cell			
C2S.ConnStat.RunMode	0	BOOL	
Data related to Fanuc Machining Cell			
C2S.ConnStat.ConnectionFaulted	0	BOOL	
Data related to Fanuc Machining Cell			
C2S.CNC_A		CNC_Safetys	
Data related to Fanuc Machining Cell First CNC			
C2S.CNC_A.ConnStat		CONNECTION_STATUS	
Data related to Fanuc Machining Cell First CNC			
C2S.CNC_A.ConnStat.RunMode	0	BOOL	
Data related to Fanuc Machining Cell First CNC			
C2S.CNC_A.ConnStat.ConnectionFaulted	0	BOOL	
Data related to Fanuc Machining Cell First CNC			
C2S.CNC_A.LC_Ch1	1	BOOL	
CNC3 Light Screen Ch1			
C2S.CNC_A.LC_Ch1 - SafetyProgram /EStopsAndGates - 15(LC)			
*C2S.CNC_A.LC_Ch1 - SafetyProgram /Map_Inputs - *8(OTE)*			
C2S.CNC_A.LC_Ch2	1	BOOL	
CNC3 Light Screen Ch2			
C2S.CNC_A.LC_Ch2 - SafetyProgram /EStopsAndGates - 15(LC)			
*C2S.CNC_A.LC_Ch2 - SafetyProgram /Map_Inputs - *8(OTE)*			
C2S.CNC_A.DoorSW_Ch1	0	BOOL	
CNC3 Door Switch Ch1			
C2S.CNC_A.DoorSW_Ch1 - SafetyProgram /EStopsAndGates - 15(RIN)			
*C2S.CNC_A.DoorSW_Ch1 - SafetyProgram /Map_Inputs - *8(OTE)*			
C2S.CNC_A.DoorSW_Ch2	0	BOOL	
CNC3 Door Switch Ch2			
C2S.CNC_A.DoorSW_Ch2 - SafetyProgram /EStopsAndGates - 15(RIN)			
*C2S.CNC_A.DoorSW_Ch2 - SafetyProgram /Map_Inputs - *8(OTE)*			
C2S.CNC_A.EStop_Ch1	0	BOOL	
Data related to Fanuc Machining Cell CNC E-Stop Button Channel 1			
C2S.CNC_A.EStop_Ch1 - SafetyProgram /EStopsAndGates - 3(ESTOP)			
*C2S.CNC_A.EStop_Ch1 - SafetyProgram /Map_Inputs - *8(OTE)*			
C2S.CNC_A.EStop_Ch2	0	BOOL	
Data related to Fanuc Machining Cell CNC E-Stop Button Channel 2			
C2S.CNC_A.EStop_Ch2 - SafetyProgram /EStopsAndGates - 3(ESTOP)			
*C2S.CNC_A.EStop_Ch2 - SafetyProgram /Map_Inputs - *8(OTE)*			
C2S.CNC_A.UserDef1	0	BOOL	
Data related to Fanuc Machining Cell Spare Channel 1			

C2S (Continued)

C2S.CNC_A.UserDef2	0	BOOL
Data related to Fanuc Machining Cell Spare Channel 2		
C2S.CNC_B		CNC_Safetys
Data related to Fanuc Machining Cell Second CNC		
C2S.CNC_B.ConnStat		CONNECTION_STATUS
Data related to Fanuc Machining Cell Second CNC		
C2S.CNC_B.ConnStat.RunMode	0	BOOL
Data related to Fanuc Machining Cell Second CNC		
C2S.CNC_B.ConnStat.ConnectionFaulted	0	BOOL
Data related to Fanuc Machining Cell Second CNC		
C2S.CNC_B.LC_Ch1	1	BOOL
CNC4 Light Screen Ch1		
C2S.CNC_B.LC_Ch1 - SafetyProgram /EStopsAndGates - 16(LC)		
*C2S.CNC_B.LC_Ch1 - SafetyProgram /Map_Inputs - *11(OTE)*		
C2S.CNC_B.LC_Ch2	1	BOOL
CNC4 Light Screen Ch2		
C2S.CNC_B.LC_Ch2 - SafetyProgram /EStopsAndGates - 16(LC)		
*C2S.CNC_B.LC_Ch2 - SafetyProgram /Map_Inputs - *11(OTE)*		
C2S.CNC_B.DoorSW_Ch1	0	BOOL
CNC4 Door Switch Ch1		
C2S.CNC_B.DoorSW_Ch1 - SafetyProgram /EStopsAndGates - 16(RIN)		
*C2S.CNC_B.DoorSW_Ch1 - SafetyProgram /Map_Inputs - *11(OTE)*		
C2S.CNC_B.DoorSW_Ch2	0	BOOL
CNC4 Door Switch Ch2		
C2S.CNC_B.DoorSW_Ch2 - SafetyProgram /EStopsAndGates - 16(RIN)		
*C2S.CNC_B.DoorSW_Ch2 - SafetyProgram /Map_Inputs - *11(OTE)*		
C2S.CNC_B.EStop_Ch1	1	BOOL
Data related to Fanuc Machining Cell CNC E-Stop Button Channel 1		
C2S.CNC_B.EStop_Ch1 - SafetyProgram /EStopsAndGates - 3(ESTOP)		
*C2S.CNC_B.EStop_Ch1 - SafetyProgram /Map_Inputs - *11(OTE)*		
C2S.CNC_B.EStop_Ch2	1	BOOL
Data related to Fanuc Machining Cell CNC E-Stop Button Channel 2		
C2S.CNC_B.EStop_Ch2 - SafetyProgram /EStopsAndGates - 3(ESTOP)		
*C2S.CNC_B.EStop_Ch2 - SafetyProgram /Map_Inputs - *11(OTE)*		
C2S.CNC_B.UserDef1	0	BOOL
Data related to Fanuc Machining Cell Spare Channel 1		
C2S.CNC_B.UserDef2	0	BOOL
Data related to Fanuc Machining Cell Spare Channel 2		
C2S.Perim		Cell_Perimeter
Data related to Fanuc Machining Cell Cell Perimeter I/O		
C2S.Perim.ConnStat		CONNECTION_STATUS
Data related to Fanuc Machining Cell Cell Perimeter I/O		
C2S.Perim.ConnStat.RunMode	0	BOOL
Data related to Fanuc Machining Cell Cell Perimeter I/O		
C2S.Perim.ConnStat.ConnectionFaulted	0	BOOL
Data related to Fanuc Machining Cell Cell Perimeter I/O		
C2S.Perim.GateSW_Ch1	1	BOOL

C2S (Continued)

Cell 2 Gate Switch Ch1
C2S.Perim.GateSW_Ch1 - SafetyProgram /EStopsAndGates - 12(RIN)
*C2S.Perim.GateSW_Ch1 - SafetyProgram /Map_Inputs - *9(OTE)*

C2S.Perim.GateSW_Ch2 1 BOOL
Cell 2 Gate Switch Ch2
C2S.Perim.GateSW_Ch2 - SafetyProgram /EStopsAndGates - 12(RIN)
*C2S.Perim.GateSW_Ch2 - SafetyProgram /Map_Inputs - *9(OTE)*

C2S.Perim.Ent_LC_Ch1 1 BOOL
Cell 2 Entry Light Screen Ch1
C2S.Perim.Ent_LC_Ch1 - SafetyProgram /EStopsAndGates - 13(LC)
*C2S.Perim.Ent_LC_Ch1 - SafetyProgram /Map_Inputs - *9(OTE)*

C2S.Perim.Ent_LC_Ch2 1 BOOL
Cell 2 Entry Light Screen Ch2
C2S.Perim.Ent_LC_Ch2 - SafetyProgram /EStopsAndGates - 13(LC)
*C2S.Perim.Ent_LC_Ch2 - SafetyProgram /Map_Inputs - *9(OTE)*

C2S.Perim.Exit_LC_Ch1 1 BOOL
Cell 2 Exit Light Screen Ch1
C2S.Perim.Exit_LC_Ch1 - SafetyProgram /EStopsAndGates - 14(LC)
*C2S.Perim.Exit_LC_Ch1 - SafetyProgram /Map_Inputs - *9(OTE)*

C2S.Perim.Exit_LC_Ch2 1 BOOL
Cell 2 Exit Light Screen Ch2
C2S.Perim.Exit_LC_Ch2 - SafetyProgram /EStopsAndGates - 14(LC)
*C2S.Perim.Exit_LC_Ch2 - SafetyProgram /Map_Inputs - *9(OTE)*

C2S.Perim.Ent_Mute1 1 BOOL
Entry Mute 1 (Mute Signals Inverted)
C2S.Perim.Ent_Mute1 - SafetyProgram /EStopsAndGates - 13(TSSM)
*C2S.Perim.Ent_Mute1 - SafetyProgram /Map_Inputs - *10(OTE)*

C2S.Perim.Ent_Mute2 1 BOOL
Entry Mute 2 (Mute Signals Inverted)
C2S.Perim.Ent_Mute2 - SafetyProgram /EStopsAndGates - 13(TSSM)
*C2S.Perim.Ent_Mute2 - SafetyProgram /Map_Inputs - *10(OTE)*

C2S.Perim.Exit_Mute1 1 BOOL
Exit Mute 1 (Mute Signals Inverted)
C2S.Perim.Exit_Mute1 - SafetyProgram /EStopsAndGates - 14(TSSM)
*C2S.Perim.Exit_Mute1 - SafetyProgram /Map_Inputs - *10(OTE)*

C2S.Perim.Exit_Mute2 1 BOOL
Exit Mute 2 (Mute Signals Inverted)
C2S.Perim.Exit_Mute2 - SafetyProgram /EStopsAndGates - 14(TSSM)
*C2S.Perim.Exit_Mute2 - SafetyProgram /Map_Inputs - *10(OTE)*

C2S.Perim.Ent_LC_Over 0 BOOL
Data related to Fanuc Machining Cell Override Entry LC Muting
C2S.Perim.Ent_LC_Over - SafetyProgram /EStopsAndGates - 13(TSSM)

C2S.Perim.Exit_LC_Over 0 BOOL
Data related to Fanuc Machining Cell Override Exit LC Muting
C2S.Perim.Exit_LC_Over - SafetyProgram /EStopsAndGates - 14(TSSM)

C2S.Perim.EntMuteStatOK 1 BOOL
Data related to Fanuc Machining Cell Status of connection to muting sensors is OK

C2S (Continued)
*C2S.Perim.EntMuteStatOK - SafetyProgram /EStopsAndGates - *13(OTE), 13(TSSM)*
C2S.Perim.ExitMuteStatOK 1 BOOL
Data related to Fanuc Machining Cell Status of connection to muting sensors is OK
*C2S.Perim.ExitMuteStatOK - SafetyProgram /EStopsAndGates - *14(OTE), 14(TSSM)*
C2S.Perim.OK 1 BOOL
Data related to Fanuc Machining Cell Perimeter is Secure
*C2S.Perim.OK - SafetyProgram /Cell_2 - *0(OTE)*
C2S.Perim.OK - SafetyProgram /EStopsAndGates - 23(XIC)
C2S.Perim.Ent_LC_Not_Blocked 1 BOOL
Data related to Fanuc Machining Cell Inverted LCB bit
*C2S.Perim.Ent_LC_Not_Blocked - SafetyProgram /EStopsAndGates - *13(OTE), 13(TSSM)*
C2S.Perim.Exit_LC_Not_Blocked 1 BOOL
Data related to Fanuc Machining Cell Inverted LCB bit
*C2S.Perim.Exit_LC_Not_Blocked - SafetyProgram /EStopsAndGates - *14(OTE), 14(TSSM)*

C3_N031:1:I AB:1734_IB8S_Safety5:I:0 AdvManLab
Constant No
External Access: Read/Write
C3_N031:1:I.ConnectionFaulted 1 BOOL
C3_N031:1:I.ConnectionFaulted - SafetyProgram /Map_Inputs - 13(XIO)
C3_N031:1:I.Pt00Data 0 BOOL
C3_N031:1:I.Pt00Data - SafetyProgram /Map_Inputs - 13(XIC)
C3_N031:1:I.Pt01Data 0 BOOL
C3_N031:1:I.Pt01Data - SafetyProgram /Map_Inputs - 13(XIC)
C3_N031:1:I.Pt02Data 0 BOOL
C3_N031:1:I.Pt02Data - SafetyProgram /Map_Inputs - 13(XIC)
C3_N031:1:I.Pt03Data 0 BOOL
C3_N031:1:I.Pt03Data - SafetyProgram /Map_Inputs - 13(XIC)
C3_N031:1:I.Pt04Data 0 BOOL
C3_N031:1:I.Pt04Data - SafetyProgram /Map_Inputs - 13(XIC)
C3_N031:1:I.Pt05Data 0 BOOL
C3_N031:1:I.Pt05Data - SafetyProgram /Map_Inputs - 13(XIC)
C3_N031:1:I.Pt06Data 0 BOOL
C3_N031:1:I.Pt06Data - SafetyProgram /Map_Inputs - 13(XIC)
C3_N031:1:I.Pt07Data 0 BOOL
C3_N031:1:I.Pt07Data - SafetyProgram /Map_Inputs - 13(XIC)

C3_N031:2:I AB:1734_IB8S_Safety5:I:0 AdvManLab
Constant No
External Access: Read/Write
C3_N031:2:I.ConnectionFaulted 1 BOOL
C3_N031:2:I.ConnectionFaulted - SafetyProgram /EStopsAndGates - 19(TSSM), 19(XIO), 20(TSSM), 20(XIO)
C3_N031:2:I.ConnectionFaulted - SafetyProgram /Map_Inputs - 14(XIO)
C3_N031:2:I.Pt00Data 0 BOOL
C3_N031:2:I.Pt00Data - SafetyProgram /Map_Inputs - 14(XIO)
C3_N031:2:I.Pt01Data 0 BOOL
C3_N031:2:I.Pt01Data - SafetyProgram /Map_Inputs - 14(XIO)

C3_N031:2:I (Continued)

C3_N031:2:I.Pt02Data	0	BOOL	
C3_N031:2:I.Pt02Data - SafetyProgram /Map_Inputs - 14(XIO)			
C3_N031:2:I.Pt03Data	0	BOOL	
C3_N031:2:I.Pt03Data - SafetyProgram /Map_Inputs - 14(XIO)			
C3_N031:2:I.Pt04Data	0	BOOL	
C3_N031:2:I.Pt04Data - SafetyProgram /Map_Inputs - 14(XIC)			
C3_N031:2:I.Pt05Data	0	BOOL	
C3_N031:2:I.Pt05Data - SafetyProgram /Map_Inputs - 14(XIC)			
C3_N031:2:I.Pt06Data	0	BOOL	
C3_N031:2:I.Pt06Data - SafetyProgram /Map_Inputs - 14(XIC)			
C3_N031:2:I.Pt07Data	0	BOOL	
C3_N031:2:I.Pt07Data - SafetyProgram /Map_Inputs - 14(XIC)			
C3_N031:3:I		AB:1734_IB8S_Safety5:I:0	AdvManLab
Constant	No		
External Access:	Read/Write		
C3_N031:3:I.ConnectionFaulted	1	BOOL	
C3_N031:3:I.ConnectionFaulted - SafetyProgram /Map_Inputs - 15(XIO)			
C3_N031:3:I.Pt00Data	0	BOOL	
C3_N031:3:I.Pt00Data - SafetyProgram /Map_Inputs - 15(XIC)			
C3_N031:3:I.Pt01Data	0	BOOL	
C3_N031:3:I.Pt01Data - SafetyProgram /Map_Inputs - 15(XIC)			
C3_N031:3:I.Pt02Data	0	BOOL	
C3_N031:3:I.Pt02Data - SafetyProgram /Map_Inputs - 15(XIC)			
C3_N031:3:I.Pt03Data	0	BOOL	
C3_N031:3:I.Pt03Data - SafetyProgram /Map_Inputs - 15(XIC)			
C3_N031:3:I.Pt04Data	0	BOOL	
C3_N031:3:I.Pt04Data - SafetyProgram /Map_Inputs - 15(XIC)			
C3_N031:3:I.Pt05Data	0	BOOL	
C3_N031:3:I.Pt05Data - SafetyProgram /Map_Inputs - 15(XIC)			
C3_N031:3:I.Pt06Data	0	BOOL	
C3_N031:3:I.Pt06Data - SafetyProgram /Map_Inputs - 15(XIC)			
C3_N031:3:I.Pt07Data	0	BOOL	
C3_N031:3:I.Pt07Data - SafetyProgram /Map_Inputs - 15(XIC)			
C3_N031:4:I		AB:1734_OB8S_Safety2:I:0	AdvManLab
Constant	No		
External Access:	Read/Write		
C3_N031:4:I.ConnectionFaulted	1	BOOL	
C3_N031:4:I.ConnectionFaulted - SafetyProgram /Map_Outputs - 5(XIO)			
C3_N031:4:O		AB:1734_OB8S:O:0	AdvManLab
Constant	No		
External Access:	Read/Write		
C3_N031:4:O.Pt00Data	1	BOOL	
*C3_N031:4:O.Pt00Data - SafetyProgram /Map_Outputs - *5(OTE)*			
C3_N031:4:O.Pt01Data	1	BOOL	

C3_N031:4:O (Continued)
*C3_N031:4:O.Pt01Data - SafetyProgram /Map_Outputs - *5(OTE)*
C3_N031:4:O.Pt02Data 0 BOOL
*C3_N031:4:O.Pt02Data - SafetyProgram /Map_Outputs - *5(OTE)*
C3_N031:4:O.Pt03Data 0 BOOL
*C3_N031:4:O.Pt03Data - SafetyProgram /Map_Outputs - *5(OTE)*
C3_N031:4:O.Pt04Data 0 BOOL
*C3_N031:4:O.Pt04Data - SafetyProgram /Map_Outputs - *5(OTE)*
C3_N031:4:O.Pt05Data 0 BOOL
*C3_N031:4:O.Pt05Data - SafetyProgram /Map_Outputs - *5(OTE)*
C3_N031:4:O.Pt06Data 0 BOOL
*C3_N031:4:O.Pt06Data - SafetyProgram /Map_Outputs - *5(OTE)*
C3_N031:4:O.Pt07Data 0 BOOL
*C3_N031:4:O.Pt07Data - SafetyProgram /Map_Outputs - *5(OTE)*

C3_Robot_ES_OK 1 BOOL AdvManLab
Constant No
External Access: None
*C3_Robot_ES_OK - SafetyProgram /EStopsAndGates - *24(OTE)*
C3_Robot_ES_OK - SafetyProgram /Map_Outputs - 5(XIC)

C3_Robot_Gates_OK 1 BOOL AdvManLab
Constant No
External Access: None
*C3_Robot_Gates_OK - SafetyProgram /EStopsAndGates - *24(OTE)*
C3_Robot_Gates_OK - SafetyProgram /Map_Outputs - 5(XIC)

C3EASRelay_Monitor 0 BOOL AdvManLab
Robot External Safety Gate Relay Monitor
Constant No
External Access: Read/Write
*C3EASRelay_Monitor - SafetyProgram /Map_Inputs - *14(OTE)*

C3EESRelay_Monitor 0 BOOL AdvManLab
Robot External EStop Relay Monitor
Constant No
External Access: Read/Write
*C3EESRelay_Monitor - SafetyProgram /Map_Inputs - *14(OTE)*

C3RobotStop PalletStop AdvManLab
Constant No
External Access: Read/Write
C3RobotStop.Ext 0 BOOL
Extend Stop
C3RobotStop.Ext - MainProgram/Control_Valve - 20(XIC)
C3RobotStop.Ret 1 BOOL
Retract Stop
C3RobotStop.Ret - MainProgram/Control_Valve - 21(XIC)

C3S		ABB_Cell_Safe	AdvManLab
Constant	No		
External Access:	Read/Write		
C3S.Perim		Cell_Perimeter	
Cell Perimeter I/O			
C3S.Perim.ConnStat		CONNECTION_STATUS	
Cell Perimeter I/O			
C3S.Perim.ConnStat.RunMode	0	BOOL	
Cell Perimeter I/O			
C3S.Perim.ConnStat.ConnectionFaulted	0	BOOL	
Cell Perimeter I/O			
C3S.Perim.GateSW_Ch1	1	BOOL	
Gate Switch Ch1			
C3S.Perim.GateSW_Ch1 - SafetyProgram /EStopsAndGates - 18(RIN)			
*C3S.Perim.GateSW_Ch1 - SafetyProgram /Map_Inputs - *13(OTE)*			
C3S.Perim.GateSW_Ch2	1	BOOL	
Gate Switch Ch2			
C3S.Perim.GateSW_Ch2 - SafetyProgram /EStopsAndGates - 18(RIN)			
*C3S.Perim.GateSW_Ch2 - SafetyProgram /Map_Inputs - *13(OTE)*			
C3S.Perim.Ent_LC_Ch1	1	BOOL	
Entry Light Screen Ch1			
C3S.Perim.Ent_LC_Ch1 - SafetyProgram /EStopsAndGates - 19(LC)			
*C3S.Perim.Ent_LC_Ch1 - SafetyProgram /Map_Inputs - *13(OTE)*			
C3S.Perim.Ent_LC_Ch2	1	BOOL	
Entry Light Screen Ch2			
C3S.Perim.Ent_LC_Ch2 - SafetyProgram /EStopsAndGates - 19(LC)			
*C3S.Perim.Ent_LC_Ch2 - SafetyProgram /Map_Inputs - *13(OTE)*			
C3S.Perim.Exit_LC_Ch1	1	BOOL	
Exit Light Screen Ch1			
C3S.Perim.Exit_LC_Ch1 - SafetyProgram /EStopsAndGates - 20(LC)			
*C3S.Perim.Exit_LC_Ch1 - SafetyProgram /Map_Inputs - *13(OTE)*			
C3S.Perim.Exit_LC_Ch2	1	BOOL	
Exit Light Screen Ch2			
C3S.Perim.Exit_LC_Ch2 - SafetyProgram /EStopsAndGates - 20(LC)			
*C3S.Perim.Exit_LC_Ch2 - SafetyProgram /Map_Inputs - *13(OTE)*			
C3S.Perim.Ent_Mute1	1	BOOL	
Entry Mute 1 (Mute Signals Inverted)			
C3S.Perim.Ent_Mute1 - SafetyProgram /EStopsAndGates - 19(TSSM)			
*C3S.Perim.Ent_Mute1 - SafetyProgram /Map_Inputs - *14(OTE)*			
C3S.Perim.Ent_Mute2	1	BOOL	
Entry Mute 2 (Mute Signals Inverted)			
C3S.Perim.Ent_Mute2 - SafetyProgram /EStopsAndGates - 19(TSSM)			
*C3S.Perim.Ent_Mute2 - SafetyProgram /Map_Inputs - *14(OTE)*			
C3S.Perim.Exit_Mute1	1	BOOL	
Exit Mute 1 (Mute Signals Inverted)			
C3S.Perim.Exit_Mute1 - SafetyProgram /EStopsAndGates - 20(TSSM)			
*C3S.Perim.Exit_Mute1 - SafetyProgram /Map_Inputs - *14(OTE)*			
C3S.Perim.Exit_Mute2	1	BOOL	

C3S (Continued)
Exit Mute 2 (Mute Signals Inverted)
C3S.Perim.Exit_Mute2 - SafetyProgram /EStopsAndGates - 20(TSSM)
*C3S.Perim.Exit_Mute2 - SafetyProgram /Map_Inputs - *14(OTE)*

C3S.Perim.Ent_LC_Over	0	BOOL	
Override Entry LC Muting			
C3S.Perim.Ent_LC_Over - SafetyProgram /EStopsAndGates - 19(TSSM)			
C3S.Perim.Exit_LC_Over	0	BOOL	
Override Exit LC Muting			
C3S.Perim.Exit_LC_Over - SafetyProgram /EStopsAndGates - 20(TSSM)			
C3S.Perim.EntMuteStatOK	1	BOOL	
Status of connection to muting sensors is OK			
*C3S.Perim.EntMuteStatOK - SafetyProgram /EStopsAndGates - *19(OTE)*			
C3S.Perim.ExitMuteStatOK	1	BOOL	
Status of connection to muting sensors is OK			
*C3S.Perim.ExitMuteStatOK - SafetyProgram /EStopsAndGates - *20(OTE)*			
C3S.Perim.OK	1	BOOL	
Perimeter is Secure			
*C3S.Perim.OK - SafetyProgram /Cell_3 - *0(OTE)*			
C3S.Perim.OK - SafetyProgram /EStopsAndGates - 24(XIC)			
C3S.Perim.Ent_LC_Not_Blocked	1	BOOL	
Inverted LCB bit			
*C3S.Perim.Ent_LC_Not_Blocked - SafetyProgram /EStopsAndGates - *19(OTE), 19(TSSM)*			
C3S.Perim.Exit_LC_Not_Blocked	1	BOOL	
Inverted LCB bit			
*C3S.Perim.Exit_LC_Not_Blocked - SafetyProgram /EStopsAndGates - *20(OTE), 20(TSSM)*			

C21PartInTransit		TIMER	AdvManLab
Constant	No		
External Access:	Read/Write		
C21PartInTransit.TT	0	BOOL	
C21PartInTransit.TT - MainProgram/Cell_3_ZZ - 1(XIO)			

C23Diverter		PalletStop	AdvManLab
Constant	No		
External Access:	Read/Write		
C23Diverter.Ext	1	BOOL	
Extend Stop			
C23Diverter.Ext - MainProgram/Control_Valve - 18(XIC)			
C23Diverter.Ret	0	BOOL	
Retract Stop			
C23Diverter.Ret - MainProgram/Control_Valve - 19(XIC)			

C23DivHoldBack		PalletStop	AdvManLab
Constant	No		
External Access:	Read/Write		
C23DivHoldBack.Ext	1	BOOL	
Extend Stop			

C23DivHoldBack (Continued)
*C23DivHoldBack.Ext - MainProgram/Cell_1_ZZ - *2(OTU), *3(OTL)*
C23DivHoldBack.Ext - MainProgram/Control_Valve - 16(XIC)
C23DivHoldBack.Ret 0 BOOL
Retract Stop
*C23DivHoldBack.Ret - MainProgram/Cell_1_ZZ - *2(OTL), *3(OTU)*
C23DivHoldBack.Ret - MainProgram/Control_Valve - 17(XIC)

C23PartInTransit TIMER AdvManLab
Constant No
External Access: Read/Write
C23PartInTransit.TT 0 BOOL
C23PartInTransit.TT - MainProgram/Cell_3_ZZ - 1(XIO)

C31DiverterHoldBack PalletStop AdvManLab
Constant No
External Access: Read/Write
C31DiverterHoldBack.Ext 1 BOOL
Extend Stop
*C31DiverterHoldBack.Ext - MainProgram/Cell_3_ZZ - *0(OTL), *1(OTU)*
C31DiverterHoldBack.Ext - MainProgram/Control_Valve - 22(XIC)
C31DiverterHoldBack.Ret 0 BOOL
Retract Stop
*C31DiverterHoldBack.Ret - MainProgram/Cell_3_ZZ - *0(OTU), *1(OTL), 2(XIC)*
C31DiverterHoldBack.Ret - MainProgram/Control_Valve - 23(XIC)

C31PartInTransit TIMER AdvManLab
Constant No
External Access: Read/Write
*C31PartInTransit - MainProgram/Cell_3_ZZ - *2(TON)*
C31PartInTransit.TT 0 BOOL
C31PartInTransit.TT - MainProgram/Cell_3_ZZ - 1(XIO), 2(XIC)

Camera1_Part_1_Distance 1.#QNAN REAL AdvManLab
Constant No
External Access: Read/Write
*Camera1_Part_1_Distance - MainProgram/Camera_1_Pipeline_ZZ - *1(COP), 2(RTOS), 3(LIM)*

Camera1_Part_1_Length 1.#QNAN REAL AdvManLab
Constant No
External Access: Read/Write
*Camera1_Part_1_Length - MainProgram/Camera_1_Pipeline_ZZ - *1(COP), 2(RTOS), 3(LIM)*

Camera1_Part_1_Length_2 1.#QNAN REAL AdvManLab
Constant No
External Access: Read/Write
*Camera1_Part_1_Length_2 - MainProgram/Camera_1_Pipeline_ZZ - *1(COP), 2(RTOS), 3(LIM)*

Camera1_Part_1_Width	1.#QNAN	REAL	AdvManLab
Constant	No		
External Access:	Read/Write		
*Camera1_Part_1_Width - MainProgram/Camera_1_Pipeline_ZZ - *1(COP), 2(RTOS), 3(LIM)*			
Camera1_Part_1_Width_2	1.#QNAN	REAL	AdvManLab
Constant	No		
External Access:	Read/Write		
*Camera1_Part_1_Width_2 - MainProgram/Camera_1_Pipeline_ZZ - *1(COP), 2(RTOS), 3(LIM)*			
Camera1_ZZ		TIMER	AdvManLab
Constant	No		
External Access:	Read/Write		
*Camera1_ZZ - MainProgram/Camera_1_Pipeline_ZZ - *4(TON)*			
Camera1_ZZ.DN	0	BOOL	
Camera1_ZZ.DN - MainProgram/Camera_1_Pipeline_ZZ - 5(XIC)			
Cell_1		Fanuc_Cell	AdvManLab
Constant	No		
External Access:	Read/Write		
Cell_1.GoodParts		COUNTER	
Good part total			
Cell_1.GoodParts.PRE	32767	DINT	
Good part total			
Cell_1.GoodParts.ACC	475	DINT	
Good part total			
Cell_1.GoodParts.CU	0	BOOL	
Good part total			
Cell_1.GoodParts.CD	0	BOOL	
Good part total			
Cell_1.GoodParts.DN	0	BOOL	
Good part total			
Cell_1.GoodParts.OV	0	BOOL	
Good part total			
Cell_1.GoodParts.UN	0	BOOL	
Good part total			
Cell_1.RejectedParts		COUNTER	
Rejected part total			
Cell_1.RejectedParts.PRE	32767	DINT	
Rejected part total			
Cell_1.RejectedParts.ACC	927	DINT	
Rejected part total			
Cell_1.RejectedParts.CU	0	BOOL	
Rejected part total			
Cell_1.RejectedParts.CD	0	BOOL	
Rejected part total			
Cell_1.RejectedParts.DN	0	BOOL	
Rejected part total			

Cell_1 (Continued)

Cell_1.RejectedParts.OV	0	BOOL
Rejected part total		
Cell_1.RejectedParts.UN	0	BOOL
Rejected part total		
Cell_1.PartEntering	0	BOOL
Part in transit from hold back to robot stop		
*Cell_1.PartEntering - MainProgram/Cell_1_ZZ - *0(OTU), *13(OTU), *6(OTL), 4(XIO), 5(XIO)*		
Cell_1.Mill_A.GoodParts		COUNTER
Good part total		
Cell_1.Mill_A.GoodParts.PRE	0	DINT
Good part total		
Cell_1.Mill_A.GoodParts.ACC	0	DINT
Good part total		
Cell_1.Mill_A.GoodParts.CU	0	BOOL
Good part total		
Cell_1.Mill_A.GoodParts.CD	0	BOOL
Good part total		
Cell_1.Mill_A.GoodParts.DN	0	BOOL
Good part total		
Cell_1.Mill_A.GoodParts.OV	0	BOOL
Good part total		
Cell_1.Mill_A.GoodParts.UN	0	BOOL
Good part total		
Cell_1.Mill_A.RejectedParts		COUNTER
Rejected part total		
Cell_1.Mill_A.RejectedParts.PRE	0	DINT
Rejected part total		
Cell_1.Mill_A.RejectedParts.ACC	0	DINT
Rejected part total		
Cell_1.Mill_A.RejectedParts.CU	0	BOOL
Rejected part total		
Cell_1.Mill_A.RejectedParts.CD	0	BOOL
Rejected part total		
Cell_1.Mill_A.RejectedParts.DN	0	BOOL
Rejected part total		
Cell_1.Mill_A.RejectedParts.OV	0	BOOL
Rejected part total		
Cell_1.Mill_A.RejectedParts.UN	0	BOOL
Rejected part total		
Cell_1.Mill_A.PartEntering	0	BOOL
Part in transit from hold back to robot stop		
Cell_1.Mill_B.GoodParts		COUNTER
Good part total		
Cell_1.Mill_B.GoodParts.PRE	0	DINT
Good part total		
Cell_1.Mill_B.GoodParts.ACC	0	DINT
Good part total		

Cell_1 (Continued)			
Cell_1.Mill_B.GoodParts.CU	0	BOOL	
Good part total			
Cell_1.Mill_B.GoodParts.CD	0	BOOL	
Good part total			
Cell_1.Mill_B.GoodParts.DN	0	BOOL	
Good part total			
Cell_1.Mill_B.GoodParts.OV	0	BOOL	
Good part total			
Cell_1.Mill_B.GoodParts.UN	0	BOOL	
Good part total			
Cell_1.Mill_B.RejectedParts		COUNTER	
Rejected part total			
Cell_1.Mill_B.RejectedParts.PRE	0	DINT	
Rejected part total			
Cell_1.Mill_B.RejectedParts.ACC	0	DINT	
Rejected part total			
Cell_1.Mill_B.RejectedParts.CU	0	BOOL	
Rejected part total			
Cell_1.Mill_B.RejectedParts.CD	0	BOOL	
Rejected part total			
Cell_1.Mill_B.RejectedParts.DN	0	BOOL	
Rejected part total			
Cell_1.Mill_B.RejectedParts.OV	0	BOOL	
Rejected part total			
Cell_1.Mill_B.RejectedParts.UN	0	BOOL	
Rejected part total			
Cell_1.Mill_B.PartEntering	0	BOOL	
Part in transit from hold back to robot stop			
Cell_2		Fanuc_Cell	AdvManLab
Constant	No		
External Access:	Read/Write		
Cell_2.GoodParts		COUNTER	
Good part total			
Cell_2.GoodParts.PRE	32767	DINT	
Good part total			
Cell_2.GoodParts.ACC	682	DINT	
Good part total			
Cell_2.GoodParts.CU	1	BOOL	
Good part total			
Cell_2.GoodParts.CD	0	BOOL	
Good part total			
Cell_2.GoodParts.DN	0	BOOL	
Good part total			
Cell_2.GoodParts.OV	0	BOOL	
Good part total			
Cell_2.GoodParts.UN	0	BOOL	

Cell_2 (Continued)		
Good part total		
Cell_2.RejectedParts		COUNTER
Rejected part total		
Cell_2.RejectedParts.PRE	32767	DINT
Rejected part total		
Cell_2.RejectedParts.ACC	591	DINT
Rejected part total		
Cell_2.RejectedParts.CU	1	BOOL
Rejected part total		
Cell_2.RejectedParts.CD	0	BOOL
Rejected part total		
Cell_2.RejectedParts.DN	0	BOOL
Rejected part total		
Cell_2.RejectedParts.OV	0	BOOL
Rejected part total		
Cell_2.RejectedParts.UN	0	BOOL
Rejected part total		
Cell_2.PartEntering	0	BOOL
Part in transit from hold back to robot stop		
*Cell_2.PartEntering - MainProgram/Cell_2_ZZ - *0(OTU), *10(OTU), *3(OTL), 1(XIO), 2(XIO)*		
Cell_2.PartEntering - MainProgram/RFID_2_ZZ - 0(XIO)		
Cell_2.Mill_A.GoodParts		COUNTER
Good part total		
Cell_2.Mill_A.GoodParts.PRE	0	DINT
Good part total		
Cell_2.Mill_A.GoodParts.ACC	0	DINT
Good part total		
Cell_2.Mill_A.GoodParts.CU	0	BOOL
Good part total		
Cell_2.Mill_A.GoodParts.CD	0	BOOL
Good part total		
Cell_2.Mill_A.GoodParts.DN	0	BOOL
Good part total		
Cell_2.Mill_A.GoodParts.OV	0	BOOL
Good part total		
Cell_2.Mill_A.GoodParts.UN	0	BOOL
Good part total		
Cell_2.Mill_A.RejectedParts		COUNTER
Rejected part total		
Cell_2.Mill_A.RejectedParts.PRE	0	DINT
Rejected part total		
Cell_2.Mill_A.RejectedParts.ACC	0	DINT
Rejected part total		
Cell_2.Mill_A.RejectedParts.CU	0	BOOL
Rejected part total		
Cell_2.Mill_A.RejectedParts.CD	0	BOOL
Rejected part total		

Cell_2 (Continued)

Cell_2.Mill_A.RejectedParts.DN	0	BOOL	
Rejected part total			
Cell_2.Mill_A.RejectedParts.OV	0	BOOL	
Rejected part total			
Cell_2.Mill_A.RejectedParts.UN	0	BOOL	
Rejected part total			
Cell_2.Mill_A.PartEntering	0	BOOL	
Part in transit from hold back to robot stop			
Cell_2.Mill_B.GoodParts		COUNTER	
Good part total			
Cell_2.Mill_B.GoodParts.PRE	0	DINT	
Good part total			
Cell_2.Mill_B.GoodParts.ACC	0	DINT	
Good part total			
Cell_2.Mill_B.GoodParts.CU	0	BOOL	
Good part total			
Cell_2.Mill_B.GoodParts.CD	0	BOOL	
Good part total			
Cell_2.Mill_B.GoodParts.DN	0	BOOL	
Good part total			
Cell_2.Mill_B.GoodParts.OV	0	BOOL	
Good part total			
Cell_2.Mill_B.GoodParts.UN	0	BOOL	
Good part total			
Cell_2.Mill_B.RejectedParts		COUNTER	
Rejected part total			
Cell_2.Mill_B.RejectedParts.PRE	0	DINT	
Rejected part total			
Cell_2.Mill_B.RejectedParts.ACC	0	DINT	
Rejected part total			
Cell_2.Mill_B.RejectedParts.CU	0	BOOL	
Rejected part total			
Cell_2.Mill_B.RejectedParts.CD	0	BOOL	
Rejected part total			
Cell_2.Mill_B.RejectedParts.DN	0	BOOL	
Rejected part total			
Cell_2.Mill_B.RejectedParts.OV	0	BOOL	
Rejected part total			
Cell_2.Mill_B.RejectedParts.UN	0	BOOL	
Rejected part total			
Cell_2.Mill_B.PartEntering	0	BOOL	
Part in transit from hold back to robot stop			

Cell1EntryLC		LIGHT_CURTAIN	AdvManLab
Cell 1 Conveyor Entry Light Screen			
Constant	No		
External Access:	Read/Write		

Cell1EntryLC (Continued)
*Cell1EntryLC - SafetyProgram /EStopsAndGates - *7(LC)*

Cell1EntryLC.EnableIn	1	BOOL	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.ResetType	0	BOOL	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.ChannelA	0	BOOL	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.ChannelB	0	BOOL	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.MuteLightCurtain	0	BOOL	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.CircuitReset	0	BOOL	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.FaultReset	0	BOOL	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.InputFilterTime	0	DINT	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.EnableOut	1	BOOL	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.O1	0	BOOL	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.O1 - SafetyProgram /Cell_1 - 0(XIC)			
Cell1EntryLC.CI	0	BOOL	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.CRHO	0	BOOL	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.LCB	1	BOOL	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.LCB - SafetyProgram /EStopsAndGates - 7(XIO)			
Cell1EntryLC.LCM	0	BOOL	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.II	0	BOOL	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.FP	0	BOOL	
Cell 1 Conveyor Entry Light Screen			

Cell1EntryLCMute		MUTING_TWO_SENSOR_SYM	AdvManLab
Celll 1 Entry LC Muting			
Constant	No		
External Access:	Read/Write		
*Cell1EntryLCMute - SafetyProgram /EStopsAndGates - *7(TSSM)*			
Cell1EntryLCMute.EnableIn	1	BOOL	
Celll 1 Entry LC Muting			
Cell1EntryLCMute.RestartType	1	BOOL	
Celll 1 Entry LC Muting			
Cell1EntryLCMute.LightCurtain	0	BOOL	
Celll 1 Entry LC Muting			

Cell1EntryLCMute (Continued)

Cell1EntryLCMute.Sensor1	0	BOOL
Celll 1 Entry LC Muting		
Cell1EntryLCMute.Sensor2	0	BOOL
Celll 1 Entry LC Muting		
Cell1EntryLCMute.Reserved1	0	BOOL
Celll 1 Entry LC Muting		
Cell1EntryLCMute.Reserved2	0	BOOL
Celll 1 Entry LC Muting		
Cell1EntryLCMute.EnableMute	1	BOOL
Celll 1 Entry LC Muting		
Cell1EntryLCMute.Override	0	BOOL
Celll 1 Entry LC Muting		
Cell1EntryLCMute.InputStatus	1	BOOL
Celll 1 Entry LC Muting		
Cell1EntryLCMute.MutingLampStatus	1	BOOL
Celll 1 Entry LC Muting		
Cell1EntryLCMute.Reset	0	BOOL
Celll 1 Entry LC Muting		
Cell1EntryLCMute.S1S2DiscrepancyTime	1000	DINT
Celll 1 Entry LC Muting		
Cell1EntryLCMute.S1S2LCMinimumTime	10	DINT
Celll 1 Entry LC Muting		
Cell1EntryLCMute.S1S2LCMaximumTime	10000	DINT
Celll 1 Entry LC Muting		
Cell1EntryLCMute.Reserved3	0	DINT
Celll 1 Entry LC Muting		
Cell1EntryLCMute.MaximumMuteTime	10	DINT
Celll 1 Entry LC Muting		
Cell1EntryLCMute.MaximumOverrideTime	30	DINT
Celll 1 Entry LC Muting		
Cell1EntryLCMute.EnableOut	1	BOOL
Celll 1 Entry LC Muting		
Cell1EntryLCMute.O1	0	BOOL
Celll 1 Entry LC Muting		
Cell1EntryLCMute.O1 - SafetyProgram /Cell_1 - 0(XIC)		
Cell1EntryLCMute.O1 - SafetyProgram /EStopsAndGates - 7(LC)		
Cell1EntryLCMute.ML	0	BOOL
Celll 1 Entry LC Muting		
Cell1EntryLCMute.CA	1	BOOL
Celll 1 Entry LC Muting		
Cell1EntryLCMute.FP	1	BOOL
Celll 1 Entry LC Muting		
Cell1EntryLCMute.FaultCode	36864	DINT
Celll 1 Entry LC Muting		
Cell1EntryLCMute.DiagnosticCode	0	DINT
Celll 1 Entry LC Muting		

Cell1ExitLC		LIGHT_CURTAIN	AdvManLab
Cell 1 Conveyor Exit Light Screen			
Constant	No		
External Access:	Read/Write		
*Cell1ExitLC - SafetyProgram /EStopsAndGates - *8(LC)*			
Cell1ExitLC.EnableIn	1	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.ResetType	0	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.ChannelA	1	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.ChannelB	1	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.MuteLightCurtain	0	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.CircuitReset	0	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.FaultReset	0	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.InputFilterTime	0	DINT	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.EnableOut	1	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.O1	1	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.O1 - SafetyProgram /Cell_1 - 0(XIC)			
Cell1ExitLC.CI	0	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.CRHO	0	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.LCB	0	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.LCB - SafetyProgram /EStopsAndGates - 8(XIO)			
Cell1ExitLC.LCM	0	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.II	0	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.FP	0	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLCMute		MUTING_TWO_SENSOR_SYM	AdvManLab
Celll 1 Exit LC Muting			
Constant	No		
External Access:	Read/Write		
*Cell1ExitLCMute - SafetyProgram /EStopsAndGates - *8(TSSM)*			
Cell1ExitLCMute.EnableIn	1	BOOL	
Celll 1 Exit LC Muting			
Cell1ExitLCMute.RestartType	1	BOOL	

Cell1ExitLCMute (Continued)		
Celll 1 Exit LC Muting		
Cell1ExitLCMute.LightCurtain	1	BOOL
Celll 1 Exit LC Muting		
Cell1ExitLCMute.Sensor1	1	BOOL
Celll 1 Exit LC Muting		
Cell1ExitLCMute.Sensor2	1	BOOL
Celll 1 Exit LC Muting		
Cell1ExitLCMute.Reserved1	0	BOOL
Celll 1 Exit LC Muting		
Cell1ExitLCMute.Reserved2	0	BOOL
Celll 1 Exit LC Muting		
Cell1ExitLCMute.EnableMute	1	BOOL
Celll 1 Exit LC Muting		
Cell1ExitLCMute.Override	0	BOOL
Celll 1 Exit LC Muting		
Cell1ExitLCMute.InputStatus	1	BOOL
Celll 1 Exit LC Muting		
Cell1ExitLCMute.MutingLampStatus	1	BOOL
Celll 1 Exit LC Muting		
Cell1ExitLCMute.Reset	0	BOOL
Celll 1 Exit LC Muting		
Cell1ExitLCMute.S1S2DiscrepancyTime	1000	DINT
Celll 1 Exit LC Muting		
Cell1ExitLCMute.S1S2LCMinimumTime	10	DINT
Celll 1 Exit LC Muting		
Cell1ExitLCMute.S1S2LCMaximumTime	10000	DINT
Celll 1 Exit LC Muting		
Cell1ExitLCMute.Reserved3	0	DINT
Celll 1 Exit LC Muting		
Cell1ExitLCMute.MaximumMuteTime	10	DINT
Celll 1 Exit LC Muting		
Cell1ExitLCMute.MaximumOverrideTime	30	DINT
Celll 1 Exit LC Muting		
Cell1ExitLCMute.EnableOut	1	BOOL
Celll 1 Exit LC Muting		
Cell1ExitLCMute.O1	0	BOOL
Celll 1 Exit LC Muting		
Cell1ExitLCMute.O1 - SafetyProgram /Cell_1 - 0(XIC)		
Cell1ExitLCMute.O1 - SafetyProgram /EStopsAndGates - 8(LC)		
Cell1ExitLCMute.ML	0	BOOL
Celll 1 Exit LC Muting		
Cell1ExitLCMute.CA	0	BOOL
Celll 1 Exit LC Muting		
Cell1ExitLCMute.FP	1	BOOL
Celll 1 Exit LC Muting		
Cell1ExitLCMute.FaultCode	39426	DINT
Celll 1 Exit LC Muting		

Cell1ExitLCMute (Continued)			
Cell1ExitLCMute.DiagnosticCode	0	DINT	
Celll 1 Exit LC Muting			
Cell1GateSW		REDUNDANT_INPUT	AdvManLab
Cell 1 Entry Gate Switch			
Constant	No		
External Access:	Read/Write		
*Cell1GateSW - SafetyProgram /EStopsAndGates - *6(RIN)*			
Cell1GateSW.EnableIn	1	BOOL	
Cell 1 Entry Gate Switch			
Cell1GateSW.ResetType	0	BOOL	
Cell 1 Entry Gate Switch			
Cell1GateSW.ChannelA	1	BOOL	
Cell 1 Entry Gate Switch			
Cell1GateSW.ChannelB	1	BOOL	
Cell 1 Entry Gate Switch			
Cell1GateSW.CircuitReset	0	BOOL	
Cell 1 Entry Gate Switch			
Cell1GateSW.FaultReset	0	BOOL	
Cell 1 Entry Gate Switch			
Cell1GateSW.EnableOut	1	BOOL	
Cell 1 Entry Gate Switch			
Cell1GateSW.O1	1	BOOL	
Cell 1 Entry Gate Switch			
Cell1GateSW.O1 - SafetyProgram /Cell_1 - 0(XIC)			
Cell1GateSW.CI	0	BOOL	
Cell 1 Entry Gate Switch			
Cell1GateSW.CRHO	0	BOOL	
Cell 1 Entry Gate Switch			
Cell1GateSW.II	0	BOOL	
Cell 1 Entry Gate Switch			
Cell1GateSW.FP	0	BOOL	
Cell 1 Entry Gate Switch			
Cell1PalletAtStop	0	BOOL	AdvManLab
Part at Cell 1 Pallet Stop			
Constant	No		
External Access:	Read/Write		
*Cell1PalletAtStop - MainProgram/Map_Inputs - *0(OTE)*			
Cell2EntryLC		LIGHT_CURTAIN	AdvManLab
Cell 2 Conveyor Entry Light Screen			
Constant	No		
External Access:	Read/Write		
*Cell2EntryLC - SafetyProgram /EStopsAndGates - *13(LC)*			
Cell2EntryLC.EnableIn	1	BOOL	
Cell 2 Conveyor Entry Light Screen			

Cell2EntryLC (Continued)			
Cell2EntryLC.ResetType	0	BOOL	
Cell 2 Conveyor Entry Light Screen			
Cell2EntryLC.ChannelA	1	BOOL	
Cell 2 Conveyor Entry Light Screen			
Cell2EntryLC.ChannelB	1	BOOL	
Cell 2 Conveyor Entry Light Screen			
Cell2EntryLC.MuteLightCurtain	1	BOOL	
Cell 2 Conveyor Entry Light Screen			
Cell2EntryLC.CircuitReset	0	BOOL	
Cell 2 Conveyor Entry Light Screen			
Cell2EntryLC.FaultReset	0	BOOL	
Cell 2 Conveyor Entry Light Screen			
Cell2EntryLC.InputFilterTime	0	DINT	
Cell 2 Conveyor Entry Light Screen			
Cell2EntryLC.EnableOut	1	BOOL	
Cell 2 Conveyor Entry Light Screen			
Cell2EntryLC.O1	1	BOOL	
Cell 2 Conveyor Entry Light Screen			
Cell2EntryLC.O1 - SafetyProgram /Cell_2 - 0(XIC)			
Cell2EntryLC.CI	0	BOOL	
Cell 2 Conveyor Entry Light Screen			
Cell2EntryLC.CRHO	0	BOOL	
Cell 2 Conveyor Entry Light Screen			
Cell2EntryLC.LCB	0	BOOL	
Cell 2 Conveyor Entry Light Screen			
Cell2EntryLC.LCB - SafetyProgram /EStopsAndGates - 13(XIO)			
Cell2EntryLC.LCM	1	BOOL	
Cell 2 Conveyor Entry Light Screen			
Cell2EntryLC.II	0	BOOL	
Cell 2 Conveyor Entry Light Screen			
Cell2EntryLC.FP	0	BOOL	
Cell 2 Conveyor Entry Light Screen			
Cell2EntryLCMute		MUTING_TWO_SENSOR_SYM	AdvManLab
Celll 2 Entry LC Muting			
Constant	No		
External Access:	Read/Write		
*Cell2EntryLCMute - SafetyProgram /EStopsAndGates - *13(TSSM)*			
Cell2EntryLCMute.EnableIn	1	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.RestartType	1	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.LightCurtain	1	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.Sensor1	1	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.Sensor2	1	BOOL	

Cell2EntryLCMute (Continued)			
Celll 2 Entry LC Muting			
Cell2EntryLCMute.Reserved1	0	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.Reserved2	0	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.EnableMute	1	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.Override	0	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.InputStatus	1	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.MutingLampStatus	1	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.Reset	0	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.S1S2DiscrepancyTime	1000	DINT	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.S1S2LCMinimumTime	10	DINT	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.S1S2LCMaximumTime	10000	DINT	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.Reserved3	0	DINT	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.MaximumMuteTime	10	DINT	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.MaximumOverrideTime	30	DINT	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.EnableOut	1	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.O1	1	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.O1 - SafetyProgram /Cell_2 - 0(XIC)			
Cell2EntryLCMute.O1 - SafetyProgram /EStopsAndGates - 13(LC)			
Cell2EntryLCMute.ML	0	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.CA	0	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.FP	0	BOOL	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.FaultCode	0	DINT	
Celll 2 Entry LC Muting			
Cell2EntryLCMute.DiagnosticCode	0	DINT	
Celll 2 Entry LC Muting			
Cell2ExitLC		LIGHT_CURTAIN	AdvManLab
Cell 2 Conveyor Exit Light Screen			
Constant	No		

Cell2ExitLC (Continued)
External Access: Read/Write
*Cell2ExitLC - SafetyProgram /EStopsAndGates - *14(LC)*

Cell2ExitLC.EnableIn	1	BOOL
Cell 2 Conveyor Exit Light Screen		
Cell2ExitLC.ResetType	0	BOOL
Cell 2 Conveyor Exit Light Screen		
Cell2ExitLC.ChannelA	1	BOOL
Cell 2 Conveyor Exit Light Screen		
Cell2ExitLC.ChannelB	1	BOOL
Cell 2 Conveyor Exit Light Screen		
Cell2ExitLC.MuteLightCurtain	1	BOOL
Cell 2 Conveyor Exit Light Screen		
Cell2ExitLC.CircuitReset	0	BOOL
Cell 2 Conveyor Exit Light Screen		
Cell2ExitLC.FaultReset	0	BOOL
Cell 2 Conveyor Exit Light Screen		
Cell2ExitLC.InputFilterTime	0	DINT
Cell 2 Conveyor Exit Light Screen		
Cell2ExitLC.EnableOut	1	BOOL
Cell 2 Conveyor Exit Light Screen		
Cell2ExitLC.O1	1	BOOL
Cell 2 Conveyor Exit Light Screen		

Cell2ExitLC.O1 - SafetyProgram /Cell_2 - 0(XIC)

Cell2ExitLC.CI	0	BOOL
Cell 2 Conveyor Exit Light Screen		
Cell2ExitLC.CRHO	0	BOOL
Cell 2 Conveyor Exit Light Screen		
Cell2ExitLC.LCB	0	BOOL
Cell 2 Conveyor Exit Light Screen		

Cell2ExitLC.LCB - SafetyProgram /EStopsAndGates - 14(XIO)

Cell2ExitLC.LCM	1	BOOL
Cell 2 Conveyor Exit Light Screen		
Cell2ExitLC.II	0	BOOL
Cell 2 Conveyor Exit Light Screen		
Cell2ExitLC.FP	0	BOOL
Cell 2 Conveyor Exit Light Screen		

Cell2ExitLCMute		MUTING_TWO_SENSOR_SYM	AdvManLab
Celll 2 Exit LC Muting			
Constant	No		
External Access:	Read/Write		

*Cell2ExitLCMute - SafetyProgram /EStopsAndGates - *14(TSSM)*

Cell2ExitLCMute.EnableIn	1	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.RestartType	1	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.LightCurtain	1	BOOL

Cell2ExitLCMute (Continued)		
Celll 2 Exit LC Muting		
Cell2ExitLCMute.Sensor1	1	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.Sensor2	1	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.Reserved1	0	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.Reserved2	0	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.EnableMute	1	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.Override	0	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.InputStatus	1	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.MutingLampStatus	1	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.Reset	0	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.S1S2DiscrepancyTime	1000	DINT
Celll 2 Exit LC Muting		
Cell2ExitLCMute.S1S2LCMinimumTime	10	DINT
Celll 2 Exit LC Muting		
Cell2ExitLCMute.S1S2LCMaximumTime	10000	DINT
Celll 2 Exit LC Muting		
Cell2ExitLCMute.Reserved3	0	DINT
Celll 2 Exit LC Muting		
Cell2ExitLCMute.MaximumMuteTime	10	DINT
Celll 2 Exit LC Muting		
Cell2ExitLCMute.MaximumOverrideTime	30	DINT
Celll 2 Exit LC Muting		
Cell2ExitLCMute.EnableOut	1	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.O1	1	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.O1 - SafetyProgram /Cell_2 - 0(XIC)		
Cell2ExitLCMute.O1 - SafetyProgram /EStopsAndGates - 14(LC)		
Cell2ExitLCMute.ML	0	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.CA	0	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.FP	0	BOOL
Celll 2 Exit LC Muting		
Cell2ExitLCMute.FaultCode	0	DINT
Celll 2 Exit LC Muting		
Cell2ExitLCMute.DiagnosticCode	0	DINT
Celll 2 Exit LC Muting		

Cell2GateSW		REDUNDANT_INPUT	AdvManLab
Cell 2 Entry Gate Switch			
Constant	No		
External Access:	Read/Write		
*Cell2GateSW - SafetyProgram /EStopsAndGates - *12(RIN)*			
Cell2GateSW.EnableIn	1	BOOL	
Cell 2 Entry Gate Switch			
Cell2GateSW.ResetType	0	BOOL	
Cell 2 Entry Gate Switch			
Cell2GateSW.ChannelA	1	BOOL	
Cell 2 Entry Gate Switch			
Cell2GateSW.ChannelB	1	BOOL	
Cell 2 Entry Gate Switch			
Cell2GateSW.CircuitReset	0	BOOL	
Cell 2 Entry Gate Switch			
Cell2GateSW.FaultReset	0	BOOL	
Cell 2 Entry Gate Switch			
Cell2GateSW.EnableOut	1	BOOL	
Cell 2 Entry Gate Switch			
Cell2GateSW.O1	1	BOOL	
Cell 2 Entry Gate Switch			
Cell2GateSW.O1 - SafetyProgram /Cell_2 - 0(XIC)			
Cell2GateSW.CI	0	BOOL	
Cell 2 Entry Gate Switch			
Cell2GateSW.CRHO	0	BOOL	
Cell 2 Entry Gate Switch			
Cell2GateSW.II	0	BOOL	
Cell 2 Entry Gate Switch			
Cell2GateSW.FP	0	BOOL	
Cell 2 Entry Gate Switch			
Cell3EntryLC		LIGHT_CURTAIN	AdvManLab
Cell 3 Conveyor Entry Light Screen			
Constant	No		
External Access:	Read/Write		
*Cell3EntryLC - SafetyProgram /EStopsAndGates - *19(LC)*			
Cell3EntryLC.EnableIn	1	BOOL	
Cell 3 Conveyor Entry Light Screen			
Cell3EntryLC.ResetType	0	BOOL	
Cell 3 Conveyor Entry Light Screen			
Cell3EntryLC.ChannelA	1	BOOL	
Cell 3 Conveyor Entry Light Screen			
Cell3EntryLC.ChannelB	1	BOOL	
Cell 3 Conveyor Entry Light Screen			
Cell3EntryLC.MuteLightCurtain	0	BOOL	
Cell 3 Conveyor Entry Light Screen			
Cell3EntryLC.CircuitReset	0	BOOL	
Cell 3 Conveyor Entry Light Screen			

Cell3EntryLC (Continued)			
Cell3EntryLC.FaultReset	0	BOOL	
Cell 3 Conveyor Entry Light Screen			
Cell3EntryLC.InputFilterTime	0	DINT	
Cell 3 Conveyor Entry Light Screen			
Cell3EntryLC.EnableOut	1	BOOL	
Cell 3 Conveyor Entry Light Screen			
Cell3EntryLC.O1	1	BOOL	
Cell 3 Conveyor Entry Light Screen			
Cell3EntryLC.O1 - SafetyProgram /Cell_3 - 0(XIC)			
Cell3EntryLC.CI	0	BOOL	
Cell 3 Conveyor Entry Light Screen			
Cell3EntryLC.CRHO	0	BOOL	
Cell 3 Conveyor Entry Light Screen			
Cell3EntryLC.LCB	0	BOOL	
Cell 3 Conveyor Entry Light Screen			
Cell3EntryLC.LCB - SafetyProgram /EStopsAndGates - 19(XIO)			
Cell3EntryLC.LCM	0	BOOL	
Cell 3 Conveyor Entry Light Screen			
Cell3EntryLC.II	0	BOOL	
Cell 3 Conveyor Entry Light Screen			
Cell3EntryLC.FP	0	BOOL	
Cell 3 Conveyor Entry Light Screen			
Cell3EntryLCMute		MUTING_TWO_SENSOR_SYM	AdvManLab
Celll 3 Entry LC Muting			
Constant	No		
External Access:	Read/Write		
*Cell3EntryLCMute - SafetyProgram /EStopsAndGates - *19(TSSM)*			
Cell3EntryLCMute.EnableIn	1	BOOL	
Celll 3 Entry LC Muting			
Cell3EntryLCMute.RestartType	1	BOOL	
Celll 3 Entry LC Muting			
Cell3EntryLCMute.LightCurtain	1	BOOL	
Celll 3 Entry LC Muting			
Cell3EntryLCMute.Sensor1	1	BOOL	
Celll 3 Entry LC Muting			
Cell3EntryLCMute.Sensor2	1	BOOL	
Celll 3 Entry LC Muting			
Cell3EntryLCMute.Reserved1	0	BOOL	
Celll 3 Entry LC Muting			
Cell3EntryLCMute.Reserved2	0	BOOL	
Celll 3 Entry LC Muting			
Cell3EntryLCMute.EnableMute	1	BOOL	
Celll 3 Entry LC Muting			
Cell3EntryLCMute.Override	0	BOOL	
Celll 3 Entry LC Muting			
Cell3EntryLCMute.InputStatus	0	BOOL	

Cell3EntryLCMute (Continued)
Celll 3 Entry LC Muting
Cell3EntryLCMute.MutingLampStatus 1 BOOL
Celll 3 Entry LC Muting
Cell3EntryLCMute.Reset 0 BOOL
Celll 3 Entry LC Muting
Cell3EntryLCMute.S1S2DiscrepancyTime 500 DINT
Celll 3 Entry LC Muting
Cell3EntryLCMute.S1S2LCMinimumTime 10 DINT
Celll 3 Entry LC Muting
Cell3EntryLCMute.S1S2LCMaximumTime 1000 DINT
Celll 3 Entry LC Muting
Cell3EntryLCMute.Reserved3 0 DINT
Celll 3 Entry LC Muting
Cell3EntryLCMute.MaximumMuteTime 3 DINT
Celll 3 Entry LC Muting
Cell3EntryLCMute.MaximumOverrideTime 15 DINT
Celll 3 Entry LC Muting
Cell3EntryLCMute.EnableOut 1 BOOL
Celll 3 Entry LC Muting
Cell3EntryLCMute.O1 0 BOOL
Celll 3 Entry LC Muting
Cell3EntryLCMute.O1 - SafetyProgram /Cell_3 - 0(XIC)
Cell3EntryLCMute.O1 - SafetyProgram /EStopsAndGates - 19(LC)
Cell3EntryLCMute.ML 0 BOOL
Celll 3 Entry LC Muting
Cell3EntryLCMute.CA 0 BOOL
Celll 3 Entry LC Muting
Cell3EntryLCMute.FP 0 BOOL
Celll 3 Entry LC Muting
Cell3EntryLCMute.FaultCode 0 DINT
Celll 3 Entry LC Muting
Cell3EntryLCMute.DiagnosticCode 32 DINT
Celll 3 Entry LC Muting

Cell3ExitLC LIGHT_CURTAIN AdvManLab
Cell 3 Conveyor Exit Light Screen
Constant No
External Access: Read/Write
*Cell3ExitLC - SafetyProgram /EStopsAndGates - *20(LC)*
Cell3ExitLC.EnableIn 1 BOOL
Cell 3 Conveyor Exit Light Screen
Cell3ExitLC.ResetType 0 BOOL
Cell 3 Conveyor Exit Light Screen
Cell3ExitLC.ChannelA 1 BOOL
Cell 3 Conveyor Exit Light Screen
Cell3ExitLC.ChannelB 1 BOOL
Cell 3 Conveyor Exit Light Screen

Cell3ExitLC (Continued)			
Cell3ExitLC.MuteLightCurtain	0	BOOL	
Cell 3 Conveyor Exit Light Screen			
Cell3ExitLC.CircuitReset	0	BOOL	
Cell 3 Conveyor Exit Light Screen			
Cell3ExitLC.FaultReset	0	BOOL	
Cell 3 Conveyor Exit Light Screen			
Cell3ExitLC.InputFilterTime	0	DINT	
Cell 3 Conveyor Exit Light Screen			
Cell3ExitLC.EnableOut	1	BOOL	
Cell 3 Conveyor Exit Light Screen			
Cell3ExitLC.O1	1	BOOL	
Cell 3 Conveyor Exit Light Screen			
Cell3ExitLC.O1 - SafetyProgram /Cell_3 - 0(XIC)			
Cell3ExitLC.CI	0	BOOL	
Cell 3 Conveyor Exit Light Screen			
Cell3ExitLC.CRHO	0	BOOL	
Cell 3 Conveyor Exit Light Screen			
Cell3ExitLC.LCB	0	BOOL	
Cell 3 Conveyor Exit Light Screen			
Cell3ExitLC.LCB - SafetyProgram /EStopsAndGates - 20(XIO)			
Cell3ExitLC.LCM	0	BOOL	
Cell 3 Conveyor Exit Light Screen			
Cell3ExitLC.II	0	BOOL	
Cell 3 Conveyor Exit Light Screen			
Cell3ExitLC.FP	0	BOOL	
Cell 3 Conveyor Exit Light Screen			
Cell3ExitLCMute		MUTING_TWO_SENSOR_SYM	AdvManLab
Celll 3 Exit LC Muting			
Constant	No		
External Access:	Read/Write		
*Cell3ExitLCMute - SafetyProgram /EStopsAndGates - *20(TSSM)*			
Cell3ExitLCMute.EnableIn	1	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.RestartType	1	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.LightCurtain	1	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.Sensor1	1	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.Sensor2	1	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.Reserved1	0	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.Reserved2	0	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.EnableMute	1	BOOL	

Cell3ExitLCMute (Continued)
Celll 3 Exit LC Muting

Cell3ExitLCMute.Override	0	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.InputStatus	0	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.MutingLampStatus	1	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.Reset	0	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.S1S2DiscrepancyTime	500	DINT	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.S1S2LCMinimumTime	10	DINT	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.S1S2LCMaximumTime	1000	DINT	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.Reserved3	0	DINT	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.MaximumMuteTime	3	DINT	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.MaximumOverrideTime	15	DINT	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.EnableOut	1	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.O1	0	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.O1 - SafetyProgram /Cell_3 - 0(XIC)			
Cell3ExitLCMute.O1 - SafetyProgram /EStopsAndGates - 20(LC)			
Cell3ExitLCMute.ML	0	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.CA	0	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.FP	0	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.FaultCode	0	DINT	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.DiagnosticCode	32	DINT	
Celll 3 Exit LC Muting			

Cell3GateSW		REDUNDANT_INPUT	AdvManLab
Cell 3 Entry Gate Switch			
Constant	No		
External Access:	Read/Write		
*Cell3GateSW - SafetyProgram /EStopsAndGates - *18(RIN)*			
Cell3GateSW.EnableIn	1	BOOL	
Cell 3 Entry Gate Switch			
Cell3GateSW.ResetType	0	BOOL	
Cell 3 Entry Gate Switch			

Cell3GateSW (Continued)
Cell3GateSW.ChannelA 1 BOOL
Cell 3 Entry Gate Switch
Cell3GateSW.ChannelB 1 BOOL
Cell 3 Entry Gate Switch
Cell3GateSW.CircuitReset 0 BOOL
Cell 3 Entry Gate Switch
Cell3GateSW.FaultReset 0 BOOL
Cell 3 Entry Gate Switch
Cell3GateSW.EnableOut 1 BOOL
Cell 3 Entry Gate Switch
Cell3GateSW.O1 1 BOOL
Cell 3 Entry Gate Switch
Cell3GateSW.O1 - SafetyProgram /Cell_3 - 0(XIC)
Cell3GateSW.CI 0 BOOL
Cell 3 Entry Gate Switch
Cell3GateSW.CRHO 0 BOOL
Cell 3 Entry Gate Switch
Cell3GateSW.II 0 BOOL
Cell 3 Entry Gate Switch
Cell3GateSW.FP 0 BOOL
Cell 3 Entry Gate Switch

CircuitReset 0 BOOL AdvManLab
Constant No
External Access: Read/Write
CircuitResetSafe - SafetyProgram /EStopsAndGates - 1(ESTOP), 10(LC), 10(RIN), 12(RIN), 13(LC), 14(LC), 15(LC), 15(RIN), 16(LC), 16(RIN), 18(RIN), 19(LC), 2(ESTOP), 20(LC), 3(ESTOP), 4(ESTOP), 6(RIN), 7(LC), 8(LC), 9(LC), 9(RIN)

CircuitResetSafe 0 BOOL AdvManLab
Signal to Reset Circuits
Constant No
Mapped With: CircuitReset
External Access: Read/Write
CircuitResetSafe - SafetyProgram /EStopsAndGates - 1(ESTOP), 10(LC), 10(RIN), 12(RIN), 13(LC), 14(LC), 15(LC), 15(RIN), 16(LC), 16(RIN), 18(RIN), 19(LC), 2(ESTOP), 20(LC), 3(ESTOP), 4(ESTOP), 6(RIN), 7(LC), 8(LC), 9(LC), 9(RIN)

Cloud_R1Z_TagPresent 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*Cloud_R1Z_TagPresent - MainProgram/Cloud_Team_ZZ - *0(OTL), *2(OTU), 1(XIC)*

Cloud_R1Z_Timer TIMER AdvManLab
Constant No
External Access: Read/Write
*Cloud_R1Z_Timer - MainProgram/Cloud_Team_ZZ - *1(TON)*
Cloud_R1Z_Timer.DN 0 BOOL
Cloud_R1Z_Timer.DN - MainProgram/Cloud_Team_ZZ - 2(XIC)

Cloud_R2Z_TagPresent	0	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
*Cloud_R2Z_TagPresent - MainProgram/Cloud_Team_ZZ - *3(OTL), *5(OTU), 4(XIC)*			
Cloud_R2Z_Timer		TIMER	AdvManLab
Constant	No		
External Access:	Read/Write		
*Cloud_R2Z_Timer - MainProgram/Cloud_Team_ZZ - *4(TON)*			
Cloud_R2Z_Timer.DN	0	BOOL	
Cloud_R2Z_Timer.DN - MainProgram/Cloud_Team_ZZ - 5(XIC)			
Cloud_R3Z_TagPresent	0	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
*Cloud_R3Z_TagPresent - MainProgram/Cloud_Team_ZZ - *6(OTL), *8(OTU), 7(XIC)*			
Cloud_R3Z_Timer		TIMER	AdvManLab
Constant	No		
External Access:	Read/Write		
*Cloud_R3Z_Timer - MainProgram/Cloud_Team_ZZ - *7(TON)*			
Cloud_R3Z_Timer.DN	0	BOOL	
Cloud_R3Z_Timer.DN - MainProgram/Cloud_Team_ZZ - 8(XIC)			
Cloud_R4Z_TagPresent	0	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
*Cloud_R4Z_TagPresent - MainProgram/Cloud_Team_ZZ - *11(OTU), *9(OTL), 10(XIC)*			
Cloud_R4Z_Timer		TIMER	AdvManLab
Constant	No		
External Access:	Read/Write		
*Cloud_R4Z_Timer - MainProgram/Cloud_Team_ZZ - *10(TON)*			
Cloud_R4Z_Timer.DN	0	BOOL	
Cloud_R4Z_Timer.DN - MainProgram/Cloud_Team_ZZ - 11(XIC)			
Cloud_R5Z_TagPresent	0	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
*Cloud_R5Z_TagPresent - MainProgram/Cloud_Team_ZZ - *12(OTL), *14(OTU), 13(XIC)*			
Cloud_R5Z_Timer		TIMER	AdvManLab
Constant	No		
External Access:	Read/Write		
*Cloud_R5Z_Timer - MainProgram/Cloud_Team_ZZ - *13(TON)*			
Cloud_R5Z_Timer.DN	0	BOOL	
Cloud_R5Z_Timer.DN - MainProgram/Cloud_Team_ZZ - 14(XIC)			

Cloud_R6Z_TagPresent 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*Cloud_R6Z_TagPresent - MainProgram/Cloud_Team_ZZ - *15(OTL), *17(OTU), 16(XIC)*

Cloud_R6Z_Timer TIMER AdvManLab
Constant No
External Access: Read/Write
*Cloud_R6Z_Timer - MainProgram/Cloud_Team_ZZ - *16(TON)*
Cloud_R6Z_Timer.DN 0 BOOL
Cloud_R6Z_Timer.DN - MainProgram/Cloud_Team_ZZ - 17(XIC)

CNC_1_Done 0 BOOL AdvManLab
CNC 1 has completed cutting the part
Constant No
External Access: Read/Write
*CNC_1_Done - MainProgram/Cell_1_ZZ - *0(OTU), *10(OTL), *15(OTU), 12(XIC), 13(XIO)*
*CNC_1_Done - MainProgram/RFID_1_JW_ZZ - *20(OTU)*

CNC_1_ProgToRun 4 DINT AdvManLab
Constant No
External Access: Read/Write
CNC_1_ProgToRun - MainProgram/CNC1 - 5(MOV)

CNC_2_Done 0 BOOL AdvManLab
CNC 2 has completed cutting the part
Constant No
External Access: Read/Write
*CNC_2_Done - MainProgram/Cell_1_ZZ - *0(OTU), *11(OTL), *14(OTU), 12(XIC), 13(XIO)*
*CNC_2_Done - MainProgram/RFID_1_JW_ZZ - *20(OTU)*

CNC_2_ProgToRun 2 DINT AdvManLab
G-Code Program Number for CNC to run TO CNC
Constant No
External Access: Read/Write
CNC_2_ProgToRun - MainProgram/CNC2 - 5(MOV)

CNC_3_Done 0 BOOL AdvManLab
CNC 3 has completed cutting the part
Constant No
External Access: Read/Write
*CNC_3_Done - MainProgram/Cell_2_ZZ - *0(OTU), *11(OTU), *7(OTL), 10(XIO), 9(XIC)*
*CNC_3_Done - MainProgram/RFID_BU - *16(OTU)*

CNC_3_ProgToRun 3 DINT AdvManLab
G-code program number to be paassed to CNC to run
Constant No
External Access: Read/Write

CNC_3_ProgToRun (Continued)
CNC_3_ProgToRun - MainProgram/CNC3 - 6(MOV)

CNC_4_Done 0 BOOL AdvManLab
CNC 4 has completed cutting the part
Constant No
External Access: Read/Write
*CNC_4_Done - MainProgram/Cell_2_ZZ - *0(OTU), *12(OTU), *8(OTL), 10(XIO), 9(XIC)*
*CNC_4_Done - MainProgram/RFID_BU - *16(OTU)*

CNC_4_ProgToRun 14 DINT AdvManLab
Constant No
External Access: Read/Write
CNC_4_ProgToRun - MainProgram/CNC4 - 5(MOV)

CNC1_Door REDUNDANT_INPUT AdvManLab
CNC1 Door Switch
Constant No
External Access: Read/Write
*CNC1_Door - SafetyProgram /EStopsAndGates - *9(RIN)*
CNC1_Door.EnableIn 1 BOOL
CNC1 Door Switch
CNC1_Door.ResetType 0 BOOL
CNC1 Door Switch
CNC1_Door.ChannelA 0 BOOL
CNC1 Door Switch
CNC1_Door.ChannelB 0 BOOL
CNC1 Door Switch
CNC1_Door.CircuitReset 0 BOOL
CNC1 Door Switch
CNC1_Door.FaultReset 0 BOOL
CNC1 Door Switch
CNC1_Door.EnableOut 1 BOOL
CNC1 Door Switch
CNC1_Door.O1 0 BOOL
CNC1 Door Switch
CNC1_Door.O1 - SafetyProgram /Cell_1 - 0(XIC)
CNC1_Door.O1 - SafetyProgram /EStopsAndGates - 9(LC)
CNC1_Door.CI 0 BOOL
CNC1 Door Switch
CNC1_Door.CRHO 0 BOOL
CNC1 Door Switch
CNC1_Door.II 0 BOOL
CNC1 Door Switch
CNC1_Door.FP 0 BOOL
CNC1 Door Switch

CNC1_EStop EMERGENCY_STOP AdvManLab

CNC1_EStop (Continued)			
Constant	No		
External Access:	Read/Write		
*CNC1_EStop - SafetyProgram /EStopsAndGates - *3(ESTOP)*			
CNC1_LC		LIGHT_CURTAIN	AdvManLab
CNC1 to Cell 1 Light Screen			
Constant	No		
External Access:	Read/Write		
*CNC1_LC - SafetyProgram /EStopsAndGates - *9(LC)*			
CNC1_LC.EnableIn	1	BOOL	
CNC1 to Cell 1 Light Screen			
CNC1_LC.ResetType	0	BOOL	
CNC1 to Cell 1 Light Screen			
CNC1_LC.ChannelA	1	BOOL	
CNC1 to Cell 1 Light Screen			
CNC1_LC.ChannelB	1	BOOL	
CNC1 to Cell 1 Light Screen			
CNC1_LC.MuteLightCurtain	0	BOOL	
CNC1 to Cell 1 Light Screen			
CNC1_LC.CircuitReset	0	BOOL	
CNC1 to Cell 1 Light Screen			
CNC1_LC.FaultReset	0	BOOL	
CNC1 to Cell 1 Light Screen			
CNC1_LC.InputFilterTime	0	DINT	
CNC1 to Cell 1 Light Screen			
CNC1_LC.EnableOut	1	BOOL	
CNC1 to Cell 1 Light Screen			
CNC1_LC.O1	1	BOOL	
CNC1 to Cell 1 Light Screen			
CNC1_LC.O1 - SafetyProgram /Cell_1 - 0(XIC)			
CNC1_LC.CI	0	BOOL	
CNC1 to Cell 1 Light Screen			
CNC1_LC.CRHO	0	BOOL	
CNC1 to Cell 1 Light Screen			
CNC1_LC.LCB	0	BOOL	
CNC1 to Cell 1 Light Screen			
CNC1_LC.LCM	0	BOOL	
CNC1 to Cell 1 Light Screen			
CNC1_LC.II	0	BOOL	
CNC1 to Cell 1 Light Screen			
CNC1_LC.FP	0	BOOL	
CNC1 to Cell 1 Light Screen			
CNC1Bools	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
CNC1Bools.0	0	BOOL	

CNC1Bools (Continued)
*CNC1Bools.0 - MainProgram/CNC1 - *0(ONS)*

CNC2_Door		REDUNDANT_INPUT	AdvManLab
CNC2 Door Switch			
Constant	No		
External Access:	Read/Write		
*CNC2_Door - SafetyProgram /EStopsAndGates - *10(RIN)*			
CNC2_Door.EnableIn	1	BOOL	
CNC2 Door Switch			
CNC2_Door.ResetType	0	BOOL	
CNC2 Door Switch			
CNC2_Door.ChannelA	1	BOOL	
CNC2 Door Switch			
CNC2_Door.ChannelB	1	BOOL	
CNC2 Door Switch			
CNC2_Door.CircuitReset	0	BOOL	
CNC2 Door Switch			
CNC2_Door.FaultReset	0	BOOL	
CNC2 Door Switch			
CNC2_Door.EnableOut	1	BOOL	
CNC2 Door Switch			
CNC2_Door.O1	1	BOOL	
CNC2 Door Switch			
CNC2_Door.O1 - SafetyProgram /Cell_1 - 0(XIC)			
CNC2_Door.O1 - SafetyProgram /EStopsAndGates - 10(LC)			
CNC2_Door.CI	0	BOOL	
CNC2 Door Switch			
CNC2_Door.CRHO	0	BOOL	
CNC2 Door Switch			
CNC2_Door.II	0	BOOL	
CNC2 Door Switch			
CNC2_Door.FP	0	BOOL	
CNC2 Door Switch			
CNC2_EStop		EMERGENCY_STOP	AdvManLab
Constant	No		
External Access:	Read/Write		
*CNC2_EStop - SafetyProgram /EStopsAndGates - *3(ESTOP)*			
CNC2_LC		LIGHT_CURTAIN	AdvManLab
CNC2 to Cell 1 Light Screen			
Constant	No		
External Access:	Read/Write		
*CNC2_LC - SafetyProgram /EStopsAndGates - *10(LC)*			
CNC2_LC.EnableIn	1	BOOL	
CNC2 to Cell 1 Light Screen			
CNC2_LC.ResetType	0	BOOL	

CNC2_LC (Continued)			
CNC2 to Cell 1 Light Screen			
CNC2_LC.ChannelA	1	BOOL	
CNC2 to Cell 1 Light Screen			
CNC2_LC.ChannelB	1	BOOL	
CNC2 to Cell 1 Light Screen			
CNC2_LC.MuteLightCurtain	1	BOOL	
CNC2 to Cell 1 Light Screen			
CNC2_LC.CircuitReset	0	BOOL	
CNC2 to Cell 1 Light Screen			
CNC2_LC.FaultReset	0	BOOL	
CNC2 to Cell 1 Light Screen			
CNC2_LC.InputFilterTime	0	DINT	
CNC2 to Cell 1 Light Screen			
CNC2_LC.EnableOut	1	BOOL	
CNC2 to Cell 1 Light Screen			
CNC2_LC.O1	1	BOOL	
CNC2 to Cell 1 Light Screen			
CNC2_LC.O1 - SafetyProgram /Cell_1 - 0(XIC)			
CNC2_LC.CI	0	BOOL	
CNC2 to Cell 1 Light Screen			
CNC2_LC.CRHO	0	BOOL	
CNC2 to Cell 1 Light Screen			
CNC2_LC.LCB	0	BOOL	
CNC2 to Cell 1 Light Screen			
CNC2_LC.LCM	1	BOOL	
CNC2 to Cell 1 Light Screen			
CNC2_LC.II	0	BOOL	
CNC2 to Cell 1 Light Screen			
CNC2_LC.FP	0	BOOL	
CNC2 to Cell 1 Light Screen			
CNC2Bools	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
CNC2Bools.0	0	BOOL	
*CNC2Bools.0 - MainProgram/CNC2 - *0(ONS)*			
CNC3_Door		REDUNDANT_INPUT	AdvManLab
CNC3 Door Switch			
Constant	No		
External Access:	Read/Write		
*CNC3_Door - SafetyProgram /EStopsAndGates - *15(RIN)*			
CNC3_Door.EnableIn	1	BOOL	
CNC3 Door Switch			
CNC3_Door.ResetType	0	BOOL	
CNC3 Door Switch			
CNC3_Door.ChannelA	0	BOOL	

CNC3_Door (Continued)			
CNC3 Door Switch			
CNC3_Door.ChannelB	0	BOOL	
CNC3 Door Switch			
CNC3_Door.CircuitReset	0	BOOL	
CNC3 Door Switch			
CNC3_Door.FaultReset	0	BOOL	
CNC3 Door Switch			
CNC3_Door.EnableOut	1	BOOL	
CNC3 Door Switch			
CNC3_Door.O1	0	BOOL	
CNC3 Door Switch			
CNC3_Door.O1 - SafetyProgram /Cell_2 - 0(XIC)			
CNC3_Door.O1 - SafetyProgram /EStopsAndGates - 15(LC)			
CNC3_Door.CI	0	BOOL	
CNC3 Door Switch			
CNC3_Door.CRHO	0	BOOL	
CNC3 Door Switch			
CNC3_Door.II	0	BOOL	
CNC3 Door Switch			
CNC3_Door.FP	0	BOOL	
CNC3 Door Switch			
CNC3_EStop		EMERGENCY_STOP	AdvManLab
Constant	No		
External Access:	Read/Write		
*CNC3_EStop - SafetyProgram /EStopsAndGates - *3(ESTOP)*			
CNC3_LC		LIGHT_CURTAIN	AdvManLab
CNC3 to Cell 2 Light Screen			
Constant	No		
External Access:	Read/Write		
*CNC3_LC - SafetyProgram /EStopsAndGates - *15(LC)*			
CNC3_LC.EnableIn	1	BOOL	
CNC3 to Cell 2 Light Screen			
CNC3_LC.ResetType	0	BOOL	
CNC3 to Cell 2 Light Screen			
CNC3_LC.ChannelA	1	BOOL	
CNC3 to Cell 2 Light Screen			
CNC3_LC.ChannelB	1	BOOL	
CNC3 to Cell 2 Light Screen			
CNC3_LC.MuteLightCurtain	0	BOOL	
CNC3 to Cell 2 Light Screen			
CNC3_LC.CircuitReset	0	BOOL	
CNC3 to Cell 2 Light Screen			
CNC3_LC.FaultReset	0	BOOL	
CNC3 to Cell 2 Light Screen			
CNC3_LC.InputFilterTime	0	DINT	

CNC3_LC (Continued)			
CNC3 to Cell 2 Light Screen			
CNC3_LC.EnableOut	1	BOOL	
CNC3 to Cell 2 Light Screen			
CNC3_LC.O1	1	BOOL	
CNC3 to Cell 2 Light Screen			
CNC3_LC.O1 - SafetyProgram /Cell_2 - 0(XIC)			
CNC3_LC.CI	0	BOOL	
CNC3 to Cell 2 Light Screen			
CNC3_LC.CRHO	0	BOOL	
CNC3 to Cell 2 Light Screen			
CNC3_LC.LCB	0	BOOL	
CNC3 to Cell 2 Light Screen			
CNC3_LC.LCM	0	BOOL	
CNC3 to Cell 2 Light Screen			
CNC3_LC.II	0	BOOL	
CNC3 to Cell 2 Light Screen			
CNC3_LC.FP	0	BOOL	
CNC3 to Cell 2 Light Screen			
CNC3Bools	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
CNC3Bools.0	0	BOOL	
*CNC3Bools.0 - MainProgram/CNC3 - *0(ONS)*			
CNC4_Door		REDUNDANT_INPUT	AdvManLab
CNC4 Door Switch			
Constant	No		
External Access:	Read/Write		
*CNC4_Door - SafetyProgram /EStopsAndGates - *16(RIN)*			
CNC4_Door.EnableIn	1	BOOL	
CNC4 Door Switch			
CNC4_Door.ResetType	0	BOOL	
CNC4 Door Switch			
CNC4_Door.ChannelA	0	BOOL	
CNC4 Door Switch			
CNC4_Door.ChannelB	0	BOOL	
CNC4 Door Switch			
CNC4_Door.CircuitReset	0	BOOL	
CNC4 Door Switch			
CNC4_Door.FaultReset	0	BOOL	
CNC4 Door Switch			
CNC4_Door.EnableOut	1	BOOL	
CNC4 Door Switch			
CNC4_Door.O1	0	BOOL	
CNC4 Door Switch			
CNC4_Door.O1 - SafetyProgram /Cell_2 - 0(XIC)			

CNC4_Door (Continued)
CNC4_Door.O1 - SafetyProgram /EStopsAndGates - 16(LC)

CNC4_Door.CI	0	BOOL	
CNC4 Door Switch			
CNC4_Door.CRHO	0	BOOL	
CNC4 Door Switch			
CNC4_Door.II	0	BOOL	
CNC4 Door Switch			
CNC4_Door.FP	0	BOOL	
CNC4 Door Switch			
CNC4_EStop		EMERGENCY_STOP	AdvManLab
Constant	No		
External Access:	Read/Write		
*CNC4_EStop - SafetyProgram /EStopsAndGates - *3(ESTOP)*			
CNC4_LC		LIGHT_CURTAIN	AdvManLab
CNC4 to Cell 2 Light Screen			
Constant	No		
External Access:	Read/Write		
*CNC4_LC - SafetyProgram /EStopsAndGates - *16(LC)*			
CNC4_LC.EnableIn	1	BOOL	
CNC4 to Cell 2 Light Screen			
CNC4_LC.ResetType	0	BOOL	
CNC4 to Cell 2 Light Screen			
CNC4_LC.ChannelA	1	BOOL	
CNC4 to Cell 2 Light Screen			
CNC4_LC.ChannelB	1	BOOL	
CNC4 to Cell 2 Light Screen			
CNC4_LC.MuteLightCurtain	0	BOOL	
CNC4 to Cell 2 Light Screen			
CNC4_LC.CircuitReset	0	BOOL	
CNC4 to Cell 2 Light Screen			
CNC4_LC.FaultReset	0	BOOL	
CNC4 to Cell 2 Light Screen			
CNC4_LC.InputFilterTime	0	DINT	
CNC4 to Cell 2 Light Screen			
CNC4_LC.EnableOut	1	BOOL	
CNC4 to Cell 2 Light Screen			
CNC4_LC.O1	1	BOOL	
CNC4 to Cell 2 Light Screen			
CNC4_LC.O1 - SafetyProgram /Cell_2 - 0(XIC)			
CNC4_LC.CI	0	BOOL	
CNC4 to Cell 2 Light Screen			
CNC4_LC.CRHO	0	BOOL	
CNC4 to Cell 2 Light Screen			
CNC4_LC.LCB	0	BOOL	
CNC4 to Cell 2 Light Screen			

CNC4_LC (Continued)			
CNC4_LC.LCM	0	BOOL	
CNC4 to Cell 2 Light Screen			
CNC4_LC.II	0	BOOL	
CNC4 to Cell 2 Light Screen			
CNC4_LC.FP	0	BOOL	
CNC4 to Cell 2 Light Screen			
CNC4Bools	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
CNC4Bools.0	0	BOOL	
*CNC4Bools.0 - MainProgram/CNC4 - *0(ONS)*			
Comm_Fault_Sts_Timer1		TIMER	AdvManLab
Constant	No		
External Access:	Read/Write		
*Comm_Fault_Sts_Timer1 - MainProgram/Cell_1_2_VFD - *4(TON)*			
Comm_Fault_Sts_Timer1.DN	0	BOOL	
Comm_Fault_Sts_Timer1.DN - MainProgram/Cell_1_2_VFD - 2(XIC), 4(XIO)			
Comm_Fault_Sts_Timer2		TIMER	AdvManLab
Constant	No		
External Access:	Read/Write		
*Comm_Fault_Sts_Timer2 - MainProgram/Cell_3_VFD - *4(TON)*			
Comm_Fault_Sts_Timer2.DN	0	BOOL	
Comm_Fault_Sts_Timer2.DN - MainProgram/Cell_3_VFD - 2(XIC), 4(XIO)			
Comm_Status1	16384	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
*Comm_Status1 - MainProgram/Cell_1_2_VFD - *2(GSV), 3(MOV)*			
Comm_Status2	16384	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
*Comm_Status2 - MainProgram/Cell_3_VFD - *2(GSV), 3(MOV)*			
ContinuousRunCase	1	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
ContinuousRunCase - MainProgram/Unused_Vernnaliz - 0(XIC)			
Conv_N053:1:I		AB:1734_IB8S_Safety5:I:0	AdvManLab
Constant	No		
External Access:	Read/Write		
Conv_N053:1:I.ConnectionFaulted	1	BOOL	
Conv_N053:1:I.ConnectionFaulted - SafetyProgram /Map_Inputs - 17(XIO)			

Conv_N053:1:I (Continued)			
Conv_N053:1:I.Pt00Data	0	BOOL	
Conv_N053:1:I.Pt00Data - SafetyProgram/Map_Inputs - 17(XIC)			
Conv_N053:1:I.Pt01Data	0	BOOL	
Conv_N053:1:I.Pt01Data - SafetyProgram/Map_Inputs - 17(XIC)			
Conv_N053:1:I.Pt02Data	0	BOOL	
Conv_N053:1:I.Pt02Data - SafetyProgram/Map_Inputs - 17(XIC)			
Conv_N053:1:I.Pt03Data	0	BOOL	
Conv_N053:1:I.Pt03Data - SafetyProgram/Map_Inputs - 17(XIC)			
Conv_N053:1:I.Pt04Data	0	BOOL	
Conv_N053:1:I.Pt04Data - SafetyProgram/Map_Inputs - 17(XIC)			
Conv_N053:1:I.Pt05Data	0	BOOL	
Conv_N053:1:I.Pt05Data - SafetyProgram/Map_Inputs - 17(XIC)			
Conv_N053:1:I.Pt06Data	0	BOOL	
Conv_N053:1:I.Pt06Data - SafetyProgram/Map_Inputs - 17(XIC)			
Conv_N053:1:I.Pt07Data	0	BOOL	
Conv_N053:1:I.Pt07Data - SafetyProgram/Map_Inputs - 17(XIC)			
Conv_N053:3:I	2#0000_0000	SINT	AdvManLab
AliasFor:	Conv_N053:I.Data[3]		
Base Tag:	Conv_N053:I.Data[3]		
Constant	No		
External Access:	Read/Write		
Conv_N053:3:I.0	0	BOOL	
C2 Entry RFID2			
PPX2 - MainProgram/Cell_2_ZZ - 1(XIC)			
Conv_N053:3:I.1	0	BOOL	
C1 Inside RFID3			
PPX3 - MainProgram/Cell_2_ZZ - 2(XIO), 5(XIC)			
Conv_N053:3:I.2	0	BOOL	
C2 exit RFID4			
PPX4 - MainProgram/Cell_1_ZZ - 1(XIC)			
PPX4 - MainProgram/Map_Inputs - 1(XIC)			
Conv_N053:I		AB:1734_5SLOT:I:0	AdvManLab
Constant	No		
External Access:	Read/Write		
Conv_N053:I.Data[3].0	0	BOOL	
PPX2 - MainProgram/Cell_2_ZZ - 1(XIC)			
Conv_N053:I.Data[3].1	0	BOOL	
PPX3 - MainProgram/Cell_2_ZZ - 2(XIO), 5(XIC)			
Conv_N053:I.Data[3].2	0	BOOL	
PPX4 - MainProgram/Cell_1_ZZ - 1(XIC)			
PPX4 - MainProgram/Map_Inputs - 1(XIC)			
DeBounce1		TIMER	AdvManLab
Constant	No		
External Access:	Read/Write		

DeBounce1 (Continued)
*DeBounce1 - MainProgram/Cell_1_ZZ - *4(TON)*
DeBounce1.DN 0 BOOL
DeBounce1.DN - MainProgram/Cell_1_ZZ - 5(XIC)

DeBounce2 TIMER AdvManLab
Constant No
External Access: Read/Write
*DeBounce2 - MainProgram/Cell_1_ZZ - *8(TON)*
DeBounce2.DN 0 BOOL
DeBounce2.DN - MainProgram/Cell_1_ZZ - 12(XIC), 13(XIC), 18(XIO), 9(XIC)

DeBounce3 TIMER AdvManLab
Constant No
External Access: Read/Write
*DeBounce3 - MainProgram/Cell_2_ZZ - *1(TON)*
DeBounce3.DN 0 BOOL
DeBounce3.DN - MainProgram/Cell_2_ZZ - 2(XIC)

DeBounce4 TIMER AdvManLab
Constant No
External Access: Read/Write
*DeBounce4 - MainProgram/Cell_2_ZZ - *5(TON)*
DeBounce4.DN 0 BOOL
DeBounce4.DN - MainProgram/Cell_2_ZZ - 10(XIC), 15(XIO), 6(XIC), 9(XIC)

DeBounceC23DivHoldBack TIMER AdvManLab
Constant No
External Access: Read/Write
*DeBounceC23DivHoldBack - MainProgram/Cell_1_ZZ - *1(TON)*
DeBounceC23DivHoldBack.TT 0 BOOL
DeBounceC23DivHoldBack.TT - MainProgram/Cell_1_ZZ - 1(XIC), 2(XIC), 3(XIO)

Dry_Cycle 0 BOOL AdvManLab
Constant No
External Access: Read/Write
Dry_Cycle - MainProgram/Cell_1_2_VFD - 7(XIC)
Dry_Cycle - MainProgram/System - 4(XIC)

Dry_Cycle_Safe 0 BOOL AdvManLab
Constant No
Mapped With: Dry_Cycle
External Access: Read/Write
Dry_Cycle - MainProgram/Cell_1_2_VFD - 7(XIC)
Dry_Cycle - MainProgram/System - 4(XIC)

Enable_Cell_3 0 BOOL AdvManLab
Turn bit on to enable logic for Cell 3

Enable_Cell_3 (Continued)
Constant No
External Access: Read/Write
Enable_Cell_3 - MainProgram/MainRoutine - 3(XIC)
Enable_Cell_3 - MainProgram/RFID - 0(XIC)

Enable_CNC1 1 BOOL AdvManLab
Constant No
External Access: Read/Write
Enable_CNC1 - MainProgram/MainRoutine - 6(XIC)

Enable_CNC2 1 BOOL AdvManLab
Constant No
External Access: Read/Write
Enable_CNC2 - MainProgram/MainRoutine - 7(XIC)

Enable_CNC3 1 BOOL AdvManLab
Constant No
External Access: Read/Write
Enable_CNC3 - MainProgram/MainRoutine - 8(XIC)

Enable_CNC4 1 BOOL AdvManLab
Constant No
External Access: Read/Write
Enable_CNC4 - MainProgram/MainRoutine - 9(XIC)

Enable_Process_Update 0 BOOL AdvManLab
Constant No
External Access: Read/Write
Enable_Process_Update - MainProgram/RFID_BU - 7(XIC), 8(XIO), 9(XIO)

EnableBits 63 DINT AdvManLab
Constant No
External Access: Read/Write
EnableBits.0 1 BOOL
*EnableBits.0 - MainProgram/HMI - *2(OTL), *3(OTL), *4(OTL), *5(OTU), *6(OTL), *7(OTL)*
EnableBits.1 1 BOOL
*EnableBits.1 - MainProgram/HMI - *2(OTU), *3(OTL), *4(OTL), *5(OTL), *6(OTL), *7(OTL)*
EnableBits.2 1 BOOL
*EnableBits.2 - MainProgram/HMI - *2(OTL), *3(OTU), *4(OTL), *5(OTL), *6(OTL), *7(OTL)*

Fanuc_Loop_Conv_ES_Ch1 1 BOOL AdvManLab
Cell 1/2 Conveyor Pull Cord / E-Stop Ch1
Constant No
External Access: Read/Write
Fanuc_Loop_Conv_ES_Ch1 - SafetyProgram/EStopsAndGates - 2(ESTOP)
*Fanuc_Loop_Conv_ES_Ch1 - SafetyProgram/Map_Inputs - *17(OTE)*

Fanuc_Loop_Conv_ES_Ch2 1 BOOL AdvManLab
Cell 1/2 Conveyor Pull Cord / E-Stop Ch2
Constant No
External Access: Read/Write
Fanuc_Loop_Conv_ES_Ch2 - SafetyProgram /EStopsAndGates - 2(ESTOP)
*Fanuc_Loop_Conv_ES_Ch2 - SafetyProgram /Map_Inputs - *17(OTE)*

Fanuc_Loop_Conv_Safety_OK 1 BOOL AdvManLab
Constant No
External Access: Read/Write
Fanuc_Loop_Conv_Safety_OK - SafetyProgram /Cell_1_2_VFD - 0(XIC)
*Fanuc_Loop_Conv_Safety_OK - SafetyProgram /EStopsAndGates - *21(OTE)*

Fanuc_Loop_Speed 0 DINT AdvManLab
Constant No
External Access: Read/Write
*Fanuc_Loop_Speed - MainProgram/HMI - *0(DIV)*
Fanuc_Loop_Speed - MainProgram/System - 0(CPT), 1(CPT)

Fanuc_Rbt_C1:I AB:ETHERNET_MODULE_INT_16Bytes:I:0 AdvManLab
Constant No
External Access: Read/Write
Fanuc_Rbt_C1:I.Data[0].0 0 BOOL
Placement of part from CNC2 to conveyor Program finished DO[1]
Fanuc_Rbt_C1:I.Data[0].0 - MainProgram/Cell_1_ZZ - 13(XIC), 14(XIC)
Fanuc_Rbt_C1:I.Data[0].0 - MainProgram/RFID_1_JW_ZZ - 6(XIC)
Fanuc_Rbt_C1:I.Data[0].1 0 BOOL
Placement of part from CNC1 to conveyor Program finished DO[2]
Fanuc_Rbt_C1:I.Data[0].1 - MainProgram/Cell_1_ZZ - 13(XIC), 15(XIC)
Fanuc_Rbt_C1:I.Data[0].1 - MainProgram/RFID_1_JW_ZZ - 7(XIC)
Fanuc_Rbt_C1:I.Data[0].2 0 BOOL
Pick from Conveyor and Drop on CNC2 Program running DO[3]
Fanuc_Rbt_C1:I.Data[0].2 - MainProgram/Cell_1_ZZ - 19(XIC)
Fanuc_Rbt_C1:I.Data[0].2 - MainProgram/RFID_1_JW_ZZ - 8(XIC)
Fanuc_Rbt_C1:I.Data[0].3 0 BOOL
Pick from Conveyor and Drop on CNC1 Program running DO[4]
Fanuc_Rbt_C1:I.Data[0].3 - MainProgram/Cell_1_ZZ - 19(XIC)
Fanuc_Rbt_C1:I.Data[0].4 0 BOOL
Pick from CNC2 and Drop on Conveyor Program running DO[5]
Fanuc_Rbt_C1:I.Data[0].4 - MainProgram/Cell_1_ZZ - 13(XIO), 19(XIC)
Fanuc_Rbt_C1:I.Data[0].5 0 BOOL
Pick from CNC1 and Drop on Conveyor Program running DO[6]
Fanuc_Rbt_C1:I.Data[0].5 - MainProgram/Cell_1_ZZ - 13(XIO), 19(XIC)
Fanuc_Rbt_C1:I.Data[0].6 0 BOOL
Cell 1 Robot is at Hold Position DI[7]
Fanuc_Rbt_C1:I.Data[0].6 - MainProgram/CNC1 - 3(XIC), 4(XIC)
Fanuc_Rbt_C1:I.Data[0].7 0 BOOL
Robot has completed dropping off part DI[8]

Fanuc_Rbt_C1:I (Continued)
Fanuc_Rbt_C1:I.Data[0].7 - MainProgram/CNC1 - 3(XIC), 4(XIC)
Fanuc_Rbt_C1:I.Data[0].8 0 BOOL
Robot has completed picking up part DI[9]
Fanuc_Rbt_C1:I.Data[0].8 - MainProgram/CNC1 - 3(XIC), 4(XIC)
Fanuc_Rbt_C1:I.Data[0].9 0 BOOL
Robot is dropping off part DI[10]
Fanuc_Rbt_C1:I.Data[0].9 - MainProgram/CNC1 - 3(XIC), 3(XIO)
Fanuc_Rbt_C1:I.Data[0].10 0 BOOL
Cell 1 Robot is at Hold Position (CNC2) DO[11]
Fanuc_Rbt_C1:I.Data[0].10 - MainProgram/CNC2 - 3(XIC)
Fanuc_Rbt_C1:I.Data[0].11 0 BOOL
Robot has completed dropping off part (CNC2) DO[12]
Fanuc_Rbt_C1:I.Data[0].11 - MainProgram/CNC2 - 3(XIC), 4(XIC)
Fanuc_Rbt_C1:I.Data[0].12 0 BOOL
Robot has completed picking up part (CNC2) DO[13]
Fanuc_Rbt_C1:I.Data[0].12 - MainProgram/CNC2 - 3(XIC), 4(XIC)
Fanuc_Rbt_C1:I.Data[0].13 0 BOOL
Robot is dropping off part (CNC2) DO[14]
Fanuc_Rbt_C1:I.Data[0].13 - MainProgram/CNC2 - 3(XIC), 3(XIO)
Fanuc_Rbt_C1:I.Data[0].14 0 BOOL
Flip Part Program running DO[15]
Fanuc_Rbt_C1:I.Data[0].14 - MainProgram/Cell_1_ZZ - 19(XIC)
Fanuc_Rbt_C1:I.Data[0].15 0 BOOL
Flipping Part Program is Running DO[16]
Fanuc_Rbt_C1:I.Data[0].15 - MainProgram/Cell_1_ZZ - 13(XIO)
Fanuc_Rbt_C1:I.Data[1].0 0 BOOL
Pallet with Flipped Part can be Let Go DO[17]
Fanuc_Rbt_C1:I.Data[1].0 - MainProgram/Cell_1_ZZ - 13(XIC)

Fanuc_Rbt_C1:O AB:ETHERNET_MODULE_INT_16Bytes:O:0 AdvManLab
Constant No
External Access: Read/Write
Fanuc_Rbt_C1:O.Data[0].0 0 BOOL
Pick from Conveyor and drop on CNC 2 DI[1]
*Fanuc_Rbt_C1:O.Data[0].0 - MainProgram/Cell_1_ZZ - *0(OTU), *18(OTU), *9(OTL)*
Fanuc_Rbt_C1:O.Data[0].0 - MainProgram/CNC2 - 0(XIC)
Fanuc_Rbt_C1:O.Data[0].1 0 BOOL
Pick from Conveyor and drop on CNC 1 DI[2]
*Fanuc_Rbt_C1:O.Data[0].1 - MainProgram/Cell_1_ZZ - *0(OTU), *18(OTU), *9(OTL)*
Fanuc_Rbt_C1:O.Data[0].1 - MainProgram/CNC1 - 0(XIC)
Fanuc_Rbt_C1:O.Data[0].2 0 BOOL
Pick from CNC2 and Drop on conveyor DI[3]
*Fanuc_Rbt_C1:O.Data[0].2 - MainProgram/Cell_1_ZZ - *0(OTU), *12(OTL), *18(OTU)*
Fanuc_Rbt_C1:O.Data[0].3 0 BOOL
Pick from CNC1 and Drop on conveyor DI[4]
*Fanuc_Rbt_C1:O.Data[0].3 - MainProgram/Cell_1_ZZ - *0(OTU), *12(OTL), *18(OTU)*
Fanuc_Rbt_C1:O.Data[0].4 0 BOOL

Fanuc_Rbt_C1:O (Continued)
Flip part to machine top of cabin/trunk DI[5]
*Fanuc_Rbt_C1:O.Data[0].4 - MainProgram/Cell_1_ZZ - *0(OTU), *18(OTU), *9(OTL)*
Fanuc_Rbt_C1:O.Data[0].6 0 BOOL
Cell 1 Robot OK to Continue DI[7]
*Fanuc_Rbt_C1:O.Data[0].6 - MainProgram/CNC1 - *3(OTE)*
Fanuc_Rbt_C1:O.Data[0].7 0 BOOL
Cell 2 Robot OK to Continue (CNC2) DI[8]
*Fanuc_Rbt_C1:O.Data[0].7 - MainProgram/CNC2 - *3(OTE), 4(XIC)*

Fanuc_Rbt_C2:I AB:ETHERNET_MODULE_INT_16Bytes:I:0 AdvManLab
Constant No
External Access: Read/Write
Fanuc_Rbt_C2:I.Data[0].0 0 BOOL
Fanuc_Rbt_C2:I.Data[0].0 - MainProgram/Cell_2_ZZ - 10(XIC), 11(XIC)
Fanuc_Rbt_C2:I.Data[0].1 0 BOOL
Fanuc_Rbt_C2:I.Data[0].1 - MainProgram/Cell_2_ZZ - 10(XIC), 12(XIC)
Fanuc_Rbt_C2:I.Data[0].2 0 BOOL
Pick from Conveyor and Drop on CNC3 Program running DO[3]
Fanuc_Rbt_C2:I.Data[0].2 - MainProgram/Cell_2_ZZ - 16(XIC)
Fanuc_Rbt_C2:I.Data[0].3 0 BOOL
Pick from Conveyor and Drop on CNC4 Program running DO[4]
Fanuc_Rbt_C2:I.Data[0].3 - MainProgram/Cell_2_ZZ - 16(XIC)
Fanuc_Rbt_C2:I.Data[0].4 0 BOOL
Pick from CNC3 and Drop on Conveyor Program running DO[5]
Fanuc_Rbt_C2:I.Data[0].4 - MainProgram/Cell_2_ZZ - 16(XIC)
Fanuc_Rbt_C2:I.Data[0].5 0 BOOL
Pick from CNC4 and Drop on Conveyor Program running DO[6]
Fanuc_Rbt_C2:I.Data[0].5 - MainProgram/Cell_2_ZZ - 16(XIC)
Fanuc_Rbt_C2:I.Data[0].6 0 BOOL
Cell 2 Robot is at Hold Position (CNC4) DO[7]
Fanuc_Rbt_C2:I.Data[0].6 - MainProgram/CNC4 - 3(XIC), 4(XIC)
Fanuc_Rbt_C2:I.Data[0].7 0 BOOL
Robot has completed dropping off part (CNC4) DO[8]
Fanuc_Rbt_C2:I.Data[0].7 - MainProgram/CNC4 - 3(XIC), 4(XIC)
Fanuc_Rbt_C2:I.Data[0].8 0 BOOL
Robot has completed picking up part (CNC4) DO[9]
Fanuc_Rbt_C2:I.Data[0].8 - MainProgram/CNC4 - 3(XIC), 4(XIC)
Fanuc_Rbt_C2:I.Data[0].9 0 BOOL
Robot is dropping off part (CNC4) DO[10]
Fanuc_Rbt_C2:I.Data[0].9 - MainProgram/CNC4 - 3(XIC), 3(XIO)
Fanuc_Rbt_C2:I.Data[0].10 0 BOOL
Cell 2 Robot is at Hold Position (CNC3) DO[11]
Fanuc_Rbt_C2:I.Data[0].10 - MainProgram/CNC3 - 3(XIC), 4(XIC)
Fanuc_Rbt_C2:I.Data[0].11 0 BOOL
Robot has completed dropping off part (CNC3) DO[12]
Fanuc_Rbt_C2:I.Data[0].11 - MainProgram/CNC3 - 4(XIC), 5(XIC)
Fanuc_Rbt_C2:I.Data[0].12 0 BOOL

Fanuc_Rbt_C2:I (Continued)
Robot has completed picking up part (CNC3) DO[13]
Fanuc_Rbt_C2:I.Data[0].12 - MainProgram/CNC3 - 4(XIC), 5(XIC)

Fanuc_Rbt_C2:I.Data[0].13	0	BOOL

Robot is dropping off part (CNC3) DO[14]
Fanuc_Rbt_C2:I.Data[0].13 - MainProgram/CNC3 - 4(XIC), 4(XIO)

Fanuc_Rbt_C2:O		AB:ETHERNET_MODULE_INT_16Bytes:O:0	AdvManLab
Constant	No		
External Access:	Read/Write		
Fanuc_Rbt_C2:O.Data[0].0	0	BOOL	

Pick from Conveyor and drop on CNC 3 DI[1]
*Fanuc_Rbt_C2:O.Data[0].0 - MainProgram/Cell_2_ZZ - *0(OTU), *15(OTU), *6(OTL)*
Fanuc_Rbt_C2:O.Data[0].0 - MainProgram/CNC3 - 0(XIC)

Fanuc_Rbt_C2:O.Data[0].1	0	BOOL

Pick from Conveyor and drop on CNC 4 DI[2]
*Fanuc_Rbt_C2:O.Data[0].1 - MainProgram/Cell_2_ZZ - *0(OTU), *15(OTU), *6(OTL)*
Fanuc_Rbt_C2:O.Data[0].1 - MainProgram/CNC4 - 0(XIC)

Fanuc_Rbt_C2:O.Data[0].2	0	BOOL

Pick from CNC3 and Drop on conveyor DI[3]
*Fanuc_Rbt_C2:O.Data[0].2 - MainProgram/Cell_2_ZZ - *0(OTU), *15(OTU), *9(OTL)*

Fanuc_Rbt_C2:O.Data[0].3	0	BOOL

Pick from CNC4 and Drop on conveyor DI[4]
*Fanuc_Rbt_C2:O.Data[0].3 - MainProgram/Cell_2_ZZ - *0(OTU), *15(OTU), *9(OTL)*

Fanuc_Rbt_C2:O.Data[0].6	0	BOOL

Cell 2 Robot OK to Continue (CNC4) DI[7]
*Fanuc_Rbt_C2:O.Data[0].6 - MainProgram/CNC4 - *3(OTE)*

Fanuc_Rbt_C2:O.Data[0].7	0	BOOL

Cell 2 Robot OK to Continue (CNC3) DI[8]
*Fanuc_Rbt_C2:O.Data[0].7 - MainProgram/CNC3 - *4(OTE), 5(XIC)*

FanucLoopPullCordES		EMERGENCY_STOP	AdvManLab

EStop / Cable On Fanuc Loop

Constant	No	
External Access:	Read/Write	

*FanucLoopPullCordES - SafetyProgram /EStopsAndGates - *2(ESTOP)*

FanucLoopPullCordES.EnableIn	1	BOOL

EStop / Cable On Fanuc Loop

FanucLoopPullCordES.ResetType	0	BOOL

EStop / Cable On Fanuc Loop

FanucLoopPullCordES.ChannelA	1	BOOL

EStop / Cable On Fanuc Loop

FanucLoopPullCordES.ChannelB	1	BOOL

EStop / Cable On Fanuc Loop

FanucLoopPullCordES.CircuitReset	0	BOOL

EStop / Cable On Fanuc Loop

FanucLoopPullCordES.FaultReset	0	BOOL

EStop / Cable On Fanuc Loop

FanucLoopPullCordES (Continued)
FanucLoopPullCordES.EnableOut 1 BOOL
EStop / Cable On Fanuc Loop
FanucLoopPullCordES.O1 1 BOOL
EStop / Cable On Fanuc Loop
FanucLoopPullCordES.O1 - SafetyProgram /EStopsAndGates - 21(XIC), 23(XIC)
FanucLoopPullCordES.CI 0 BOOL
EStop / Cable On Fanuc Loop
FanucLoopPullCordES.CRHO 0 BOOL
EStop / Cable On Fanuc Loop
FanucLoopPullCordES.II 0 BOOL
EStop / Cable On Fanuc Loop
FanucLoopPullCordES.FP 0 BOOL
EStop / Cable On Fanuc Loop

FanucLoopSTO_O1 1 BOOL AdvManLab
Constant No
External Access: Read/Write
*FanucLoopSTO_O1 - SafetyProgram /Cell_1_2_VFD - *0(OTE)*
FanucLoopSTO_O1 - SafetyProgram /Map_Outputs - 2(XIC)

FanucLoopSTO_O2 1 BOOL AdvManLab
Constant No
External Access: Read/Write
*FanucLoopSTO_O2 - SafetyProgram /Cell_1_2_VFD - *0(OTE)*
FanucLoopSTO_O2 - SafetyProgram /Map_Outputs - 2(XIC)

FanucLoopVFD PF525_Faceplate_AOI AdvManLab
PF525 Drive FTView ME Faceplate AOI
Constant No
External Access: Read/Write
*FanucLoopVFD - MainProgram/Cell_1_2_VFD - *0(PF525_Faceplate_AOI)*
FanucLoopVFD.EnableIn 1 BOOL
PF525 Drive FTView ME Faceplate AOI Enable Input - System Defined Parameter
FanucLoopVFD.EnableOut 1 BOOL
PF525 Drive FTView ME Faceplate AOI Enable Output - System Defined Parameter
FanucLoopVFD.Inp_NumRowsVis 9 DINT
PF525 Drive FTView ME Faceplate AOI
FanucLoopVFD.Set_FaceplateAnimation 0 INT
PF525 Drive FTView ME Faceplate AOI
FanucLoopVFD.Sts_ProgramModeEnabled 0 BOOL
PF525 Drive FTView ME Faceplate AOI
FanucLoopVFD.Sts_ProgramModeEnabled - MainProgram/System - 3(XIC), 4(XIC)
FanucLoopVFD.Sts_OperatorModeEnabled 1 BOOL
PF525 Drive FTView ME Faceplate AOI
FanucLoopVFD.Sts_DriveStatus_Faulted 0 BOOL
PF525 Drive FTView ME Faceplate AOI
FanucLoopVFD.Sts_DriveStatus_Faulted - MainProgram/System - 3(XIC)

FanucLoopVFD (Continued)		
FanucLoopVFD.Sts_DriveStatus_Active	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Sts_DriveStatus_Ready	1	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Sts_DriveStatus_Alarm	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Sts_DriveStatus_AtSpeed	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Sts_CommFault	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Sts_DriveStatus_ActualDir	1	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Sts_DeviceState	1	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Sts_Value1	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Sts_Value2	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Sts_Value3	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Sts_Value4	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Set_TrendNextPenOper	0	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Set_Value1Min	0	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Set_Value1Max	60	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Set_Value2Min	0	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Set_Value2Max	1	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Set_Value3Max	1	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Set_Value3Min	0	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Val_TrendMax	60	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Val_TrendMin	0	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Val_SpdFdbk_Units	0	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Val_Fault1Code	52073	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_OperOperReq	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_ProgOperReq	0	BOOL

FanucLoopVFD (Continued)
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Cmd_OperProgReq 0 BOOL
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Cmd_ProgProgReq 0 BOOL
PF525 Drive FTView ME Faceplate AOI
*FanucLoopVFD.Cmd_ProgProgReq - MainProgram/Cell_1_2_VFD - *7(OTE)*

FanucLoopVFD.Cmd_StartOper 0 BOOL
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Cmd_StartProg 0 BOOL
PF525 Drive FTView ME Faceplate AOI
*FanucLoopVFD.Cmd_StartProg - MainProgram/System - *4(OTE)*

FanucLoopVFD.Cmd_StopOper 0 BOOL
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Cmd_StopProg 0 BOOL
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Cmd_ResetOper 0 BOOL
PF525 Drive FTView ME Faceplate AOI
FanucLoopVFD.Cmd_ResetOper - MainProgram/Cell_1_2_VFD - 6(XIC)

FanucLoopVFD.Cmd_ResetProg 0 BOOL
PF525 Drive FTView ME Faceplate AOI
FanucLoopVFD.Cmd_ResetProg - MainProgram/Cell_1_2_VFD - 6(XIC)

FanucLoopVFD.Cmd_JogOper 0 BOOL
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Cmd_JogProg 0 BOOL
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Cmd_FwdOper 0 BOOL
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Cmd_FwdProg 0 BOOL
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Cmd_RevOper 0 BOOL
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Cmd_RevProg 0 BOOL
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Cmd_OperToProgPermissive
1 BOOL
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Cmd_ProgToOperPermissive
1 BOOL
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Set_SpeedOper 30 INT
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Cmd_MOPIncProg 0 BOOL
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Cmd_MOPIncOper 0 BOOL
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Cmd_Accel1Oper 0 BOOL
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD (Continued)

FanucLoopVFD.Cmd_Accel2Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_Decel1Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_Decel2Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_Accel1Prog	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_Accel2Prog	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_Decel1Prog	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_Decel2Prog	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_MOPDecProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_MOPDecOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Set_AccelProg	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Set_DecelProg	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Set_CommFaultTimerPresetProg	10000	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_LocalContrlProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_LocalContrlOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_FreqSel01Prog	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_FreqSel01Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_FreqSel02Prog	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_FreqSel02Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_FreqSel03Prog	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_FreqSel03Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Set_SpeedProg	30	INT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Set_CommFaultTimerPresetOper	0	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Set_DecelOper	1.5	REAL

FanucLoopVFD (Continued)
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Set_AccelOper	1.5	REAL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Inp_FaultCode	0	DINT
PF525 Drive FTView ME Faceplate AOI Fault Code		
FanucLoopVFD.NotReady_Fault	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.CLEAR_Fault	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Module_FaultTrigger	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Module_FaultCode	0	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.RESET_Fault	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
*FanucLoopVFD.RESET_Fault - MainProgram/System - *3(OTE)*		
FanucLoopVFD.Inp_Display_Val_1	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Inp_Display_Val_2	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Inp_Display_Val_3	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Inp_Display_Val_4	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Comm_Status	16384	DINT
PF525 Drive FTView ME Faceplate AOI		
*FanucLoopVFD.Comm_Status - MainProgram/Cell_1_2_VFD - *3(MOV)*		
FanucLoopVFD.Sts_DriveStatus_CommFault	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Inst_Error	1	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.LastFaultCode	73	DINT
PF525 Drive FTView ME Faceplate AOI		
*FanucLoopVFD.LastFaultCode - MainProgram/Cell_1_2_VFD - *1(MOV)*		
FanucLoopVFD.SpdRef_Units	30	INT
PF525 Drive FTView ME Faceplate AOI		
*FanucLoopVFD.SpdRef_Units - MainProgram/Cell_1_2_VFD - *7(MOV)*		
FanucLoopVFD.SpdScaler60Hz	1.0	REAL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.GearRatio	1.0	REAL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Out_SpdRef_Units	30	DINT
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Val_OutputFreq	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Val_OutputCurrent	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		

FanucLoopVFD (Continued)

FanucLoopVFD.Val_OutputVoltage 0 DINT
PF525 Drive FTView ME Faceplate AOI

FanucLoopVFD.Sts_PowerflexAlarmTrigger 52073 DINT
PF525 Drive FTView ME Faceplate AOI
FanucLoopVFD.Sts_PowerflexAlarmTrigger - MainProgram/Cell_1_2_VFD - 5(MOV)

FanucLoopVFD.Controller_trigger 0 BOOL
PF525 Drive FTView ME Faceplate AOI
FanucLoopVFD.Controller_trigger - MainProgram/Cell_1_2_VFD - 5(XIC)

FanucLoopVFD_N045:I AB:PowerFlex525V_E_8A02D441:I:0 AdvManLab
Constant No
External Access: Read/Write
*FanucLoopVFD_N045:I - MainProgram/Cell_1_2_VFD - *0(PF525_Faceplate_AOI)*
FanucLoopVFD_N045:I - MainProgram/Unused_PF52x - 0(COP)

FanucLoopVFD_N045:I.OutputFreq 0 INT
FanucLoopVFD_N045:I.OutputFreq - MainProgram/HMI - 0(DIV)

FanucLoopVFD_N045:O AB:PowerFlex525V_E_5483BAFD:O:0 AdvManLab
Constant No
External Access: Read/Write
*FanucLoopVFD_N045:O - MainProgram/Cell_1_2_VFD - *0(PF525_Faceplate_AOI)*

FanucLoopVFD_N045:O.LogicCommand 2#0000_0000_0000_0000 INT
*FanucLoopVFD_N045:O.LogicCommand - MainProgram/Unused_PF52x - *0(MVM)*

FanucLoopVFD_N045:O.FreqCommand 1800 INT
*FanucLoopVFD_N045:O.FreqCommand - MainProgram/Unused_PF52x - *0(MOV)*

Fault_Code1 73 DINT AdvManLab
Constant No
External Access: Read/Write
Fault_Code1 - MainProgram/Cell_1_2_VFD - 1(MOV)

Fault_Code2 59 DINT AdvManLab
Constant No
External Access: Read/Write
Fault_Code2 - MainProgram/Cell_3_VFD - 1(MOV)

FaultReset 0 BOOL AdvManLab
Constant No
External Access: Read/Write
FaultReset - MainProgram/CNC1 - 2(XIC)
FaultReset - MainProgram/CNC2 - 2(XIC)
FaultReset - MainProgram/CNC3 - 2(XIC)
FaultReset - MainProgram/CNC4 - 2(XIC)
FaultReset - MainProgram/System - 3(XIC)
FaultResetSafe - SafetyProgram /EStopsAndGates - 1(ESTOP), 10(LC), 10(RIN), 12(RIN), 13(LC), 13(TSSM), 14(LC), 14(TSSM), 15(LC), 15(RIN), 16(LC), 16(RIN), 18(RIN), 19(LC), 19(TSSM), 2(ESTOP), 20(LC), 20(TSSM), 3(ESTOP), 4(ESTOP), 6(RIN), 7(LC), 7(TSSM), 8(LC), 8(TSSM), 9(LC), 9(RIN)

FaultResetSafe	0	BOOL	AdvManLab
Constant	No		
Mapped With:	FaultReset		
External Access:	Read/Write		
FaultResetSafe - SafetyProgram/EStopsAndGates - 1(ESTOP), 10(LC), 10(RIN), 12(RIN), 13(LC), 13(TSSM), 14(LC), 14(TSSM), 15(LC), 15(RIN), 16(LC), 16(RIN), 18(RIN), 19(LC), 19(TSSM), 2(ESTOP), 20(LC), 20(TSSM), 3(ESTOP), 4(ESTOP), 6(RIN), 7(LC), 7(TSSM), 8(LC), 8(TSSM), 9(LC), 9(RIN)			
FaultReset - MainProgram/CNC1 - 2(XIC)			
FaultReset - MainProgram/CNC2 - 2(XIC)			
FaultReset - MainProgram/CNC3 - 2(XIC)			
FaultReset - MainProgram/CNC4 - 2(XIC)			
FaultReset - MainProgram/System - 3(XIC)			
FltMsg1		MESSAGE	AdvManLab
External Access:	Read/Write		
*FltMsg1 - MainProgram/Cell_1_2_VFD - *0(PF525_Faceplate_AOI)*			
FltMsg2		MESSAGE	AdvManLab
External Access:	Read/Write		
*FltMsg2 - MainProgram/Cell_3_VFD - *0(PF525_Faceplate_AOI)*			
FromCNC1		CNC_Datablock	AdvManLab
Data From CNC1			
Producer:	CNC1		
RPI:	10.000 ms		
Remote Data:	ToCell		
Include Connection Status:	n/a		
Use Unicast Connection Over EtherNet/IP:	No		
External Access:	Read/Write		
FromCNC1.Bools	32	DINT	
Data From CNC1 32 user defined bools to be used as needed for interlocks			
FromCNC1.Bools.0	0	BOOL	
CNC signal to Cell that it is at the Pick / Drop location			
FromCNC1.Bools.0 - MainProgram/Cell_1_ZZ - 10(XIC)			
FromCNC1.Bools.0 - MainProgram/CNC1 - 3(XIC), 4(XIC)			
FromCNC1.Bools.1	0	BOOL	
CNC is ready to receive part from robot			
FromCNC1.Bools.1 - MainProgram/CNC1 - 3(XIC), 4(XIC)			
FromCNC1.Bools.2	0	BOOL	
Handshake to complete part drop off			
FromCNC1.Bools.2 - MainProgram/CNC1 - 2(XIC), 3(XIO)			
FromCNC1.Bools.3	0	BOOL	
CNC has a part that is ready to be picked up by the robot			
FromCNC1.Bools.3 - MainProgram/Cell_1_ZZ - 10(XIC), 13(XIC)			
FromCNC1.Bools.3 - MainProgram/CNC1 - 3(XIC), 4(XIC)			
FromCNC1.Bools.4	0	BOOL	
Handshake to complete part Pick-up			
FromCNC1.Bools.4 - MainProgram/CNC1 - 3(XIO)			
FromCNC1.Bools.5	1	BOOL	

FromCNC1 (Continued)
Data From CNC1 32 user defined bools to be used as needed for interlocks
FromCNC1.Bools.5 - MainProgram/Cell_1_ZZ - 9(XIC)

FromCNC1.UserDef01	0	DINT
Data From CNC1 User defined Dint 1		
FromCNC1.UserDef02	0	DINT
Data From CNC1 User defined Dint 2		
FromCNC1.UserDef03	0	DINT
Data From CNC1 User defined Dint 3		
FromCNC1.UserDef04	0	DINT
Data From CNC1 User defined Dint 4		
FromCNC1.UserDef05	0	DINT
Data From CNC1 User defined Dint 5		

FromCNC2 CNC_Datablock AdvManLab
Data From CNC2

Producer:	CNC2
RPI:	10.000 ms
Remote Data:	ToCell
Include Connection Status:	n/a
Use Unicast Connection Over EtherNet/IP:	No
External Access:	Read/Write

FromCNC2.Bools	32	DINT
Data From CNC2 32 user defined bools to be used as needed for interlocks		
FromCNC2.Bools.0	0	BOOL
CNC signal to Cell that it is at the Pick / Drop location		
FromCNC2.Bools.0 - MainProgram/Cell_1_ZZ - 11(XIC)		
FromCNC2.Bools.0 - MainProgram/CNC2 - 3(XIC), 4(XIC)		
FromCNC2.Bools.1	0	BOOL
CNC is ready to receive part from robot		
FromCNC2.Bools.1 - MainProgram/CNC2 - 3(XIC), 4(XIC)		
FromCNC2.Bools.2	0	BOOL
Handshake to complete part drop off		
FromCNC2.Bools.2 - MainProgram/CNC2 - 2(XIC), 3(XIO)		
FromCNC2.Bools.3	0	BOOL
CNC has a part that is ready to be picked up by the robot		
FromCNC2.Bools.3 - MainProgram/Cell_1_ZZ - 11(XIC), 13(XIC)		
FromCNC2.Bools.3 - MainProgram/CNC2 - 3(XIC), 4(XIC)		
FromCNC2.Bools.4	0	BOOL
Handshake to complete part Pick-up		
FromCNC2.Bools.4 - MainProgram/CNC2 - 3(XIO)		
FromCNC2.Bools.5	1	BOOL
Data From CNC2 32 user defined bools to be used as needed for interlocks		
FromCNC2.Bools.5 - MainProgram/Cell_1_ZZ - 9(XIC)		
FromCNC2.UserDef01	0	DINT
Data From CNC2 User defined Dint 1		
FromCNC2.UserDef02	0	DINT
Data From CNC2 User defined Dint 2		

FromCNC2 (Continued)

FromCNC2.UserDef03 0 DINT
Data From CNC2 User defined Dint 3

FromCNC2.UserDef04 0 DINT
Data From CNC2 User defined Dint 4

FromCNC2.UserDef05 0 DINT
Data From CNC2 User defined Dint 5

FromCNC3 CNC_Datablock AdvManLab
Data From CNC3
Producer: CNC3
RPI: 10.000 ms
Remote Data: ToCell
Include Connection Status: n/a
Use Unicast Connection Over EtherNet/IP: No
External Access: Read/Write

FromCNC3.Bools 32 DINT
Data From CNC3 32 user defined bools to be used as needed for interlocks

FromCNC3.Bools.0 0 BOOL
CNC signal to Cell that it is at the Pick / Drop location
FromCNC3.Bools.0 - MainProgram/Cell_2_ZZ - 7(XIC)
FromCNC3.Bools.0 - MainProgram/CNC3 - 4(XIC), 5(XIC)

FromCNC3.Bools.1 0 BOOL
CNC is ready to receive part from robot
FromCNC3.Bools.1 - MainProgram/CNC3 - 4(XIC), 5(XIC)

FromCNC3.Bools.2 0 BOOL
Handshake to complete part drop off
FromCNC3.Bools.2 - MainProgram/CNC3 - 2(XIC), 4(XIO)

FromCNC3.Bools.3 0 BOOL
CNC has a part that is ready to be picked up by the robot
FromCNC3.Bools.3 - MainProgram/Cell_2_ZZ - 10(XIC), 7(XIC)
FromCNC3.Bools.3 - MainProgram/CNC3 - 4(XIC), 5(XIC)

FromCNC3.Bools.4 0 BOOL
Handshake to complete part Pick-up
FromCNC3.Bools.4 - MainProgram/CNC3 - 4(XIO)

FromCNC3.Bools.5 1 BOOL
Bit is ON when CNC is NOT in cycle.
FromCNC3.Bools.5 - MainProgram/Cell_2_ZZ - 6(XIC)

FromCNC3.UserDef01 0 DINT
Data From CNC3 User defined Dint 1

FromCNC3.UserDef02 0 DINT
Data From CNC3 User defined Dint 2

FromCNC3.UserDef03 0 DINT
Data From CNC3 User defined Dint 3

FromCNC3.UserDef04 0 DINT
Data From CNC3 User defined Dint 4

FromCNC3.UserDef05 0 DINT
Data From CNC3 User defined Dint 5

FromCNC4		CNC_Datablock	AdvManLab
Data From CNC4			
Producer:	CNC4		
RPI:	10.000 ms		
Remote Data:	ToCell		
Include Connection Status:	n/a		
Use Unicast Connection Over EtherNet/IP:	No		
External Access:	Read/Write		
FromCNC4.Bools	32	DINT	
Data From CNC4 32 user defined bools to be used as needed for interlocks			
FromCNC4.Bools.0	0	BOOL	
CNC signal to Cell that it is at the Pick / Drop location			
FromCNC4.Bools.0 - MainProgram/Cell_2_ZZ - 8(XIC)			
FromCNC4.Bools.0 - MainProgram/CNC4 - 3(XIC), 4(XIC)			
FromCNC4.Bools.1	0	BOOL	
CNC is ready to receive part from robot (M72)			
FromCNC4.Bools.1 - MainProgram/CNC4 - 3(XIC), 4(XIC)			
FromCNC4.Bools.2	0	BOOL	
Handshake to complete part drop off			
FromCNC4.Bools.2 - MainProgram/CNC4 - 2(XIC), 3(XIO)			
FromCNC4.Bools.3	0	BOOL	
CNC has a part that is ready to be picked up by the robot (M73)			
FromCNC4.Bools.3 - MainProgram/Cell_2_ZZ - 10(XIC), 8(XIC)			
FromCNC4.Bools.3 - MainProgram/CNC4 - 3(XIC), 4(XIC)			
FromCNC4.Bools.4	0	BOOL	
Handshake to complete part Pick-up			
FromCNC4.Bools.4 - MainProgram/CNC4 - 3(XIO)			
FromCNC4.Bools.5	1	BOOL	
Bit is ON when CNC is NOT in cycle.			
FromCNC4.Bools.5 - MainProgram/Cell_2_ZZ - 6(XIC)			
FromCNC4.UserDef01	0	DINT	
Data From CNC4 User defined Dint 1			
FromCNC4.UserDef02	0	DINT	
Data From CNC4 User defined Dint 2			
FromCNC4.UserDef03	0	DINT	
Data From CNC4 User defined Dint 3			
FromCNC4.UserDef04	0	DINT	
Data From CNC4 User defined Dint 4			
FromCNC4.UserDef05	0	DINT	
Data From CNC4 User defined Dint 5			
HMI_Disp_No	600	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
HMI_Disp_No - MainProgram/HMI - 2(EQU), 3(EQU), 4(EQU), 5(EQU), 6(EQU), 7(EQU)			
HMI_Mode	0	DINT	AdvManLab
Constant	No		

HMI_Mode (Continued)
External Access: Read/Write
HMI_Mode.0 0 BOOL
HMI_Mode.0 - MainProgram/Mode_ZZ - 0(XIC), 1(XIO), 2(XIO), 4(XIO), 5(XIO)
HMI_Mode.1 0 BOOL
HMI_Mode.1 - MainProgram/Mode_ZZ - 0(XIO), 1(XIC), 2(XIO), 5(XIO)
HMI_Mode.2 0 BOOL
HMI_Mode.2 - MainProgram/Mode_ZZ - 0(XIO), 1(XIO), 2(XIO), 4(XIO), 5(XIC)
HMI_Mode.3 0 BOOL
HMI_Mode.3 - MainProgram/Mode_ZZ - 3(XIC)
HMI_Mode.4 0 BOOL
HMI_Mode.4 - MainProgram/Cell_1_ZZ - 0(XIC)
HMI_Mode.4 - MainProgram/Cell_2_ZZ - 0(XIC)
HMI_Mode.4 - MainProgram/Mode_ZZ - 4(XIO)
HMI_Mode.5 0 BOOL
HMI_Mode.5 - MainProgram/Mode_ZZ - 0(XIO), 1(XIO), 2(XIC), 4(XIO), 5(XIO)

Main_N043:1:I AB:1734_IB8S_Safety5:I:0 AdvManLab
Constant No
External Access: Read/Write
Main_N043:1:I.ConnectionFaulted 1 BOOL
Main_N043:1:I.ConnectionFaulted - SafetyProgram/Map_Inputs - 1(XIO)
Main_N043:1:I.Pt00Data 0 BOOL
Main_N043:1:I.Pt00Data - SafetyProgram/Map_Inputs - 1(XIC)
Main_N043:1:I.Pt01Data 0 BOOL
Main_N043:1:I.Pt01Data - SafetyProgram/Map_Inputs - 1(XIC)
Main_N043:1:I.Pt02Data 0 BOOL
Main_N043:1:I.Pt02Data - SafetyProgram/Map_Inputs - 1(XIC)
Main_N043:1:I.Pt03Data 0 BOOL
Main_N043:1:I.Pt03Data - SafetyProgram/Map_Inputs - 1(XIC)
Main_N043:1:I.Pt04Data 0 BOOL
Main_N043:1:I.Pt04Data - SafetyProgram/Map_Inputs - 1(XIC)
Main_N043:1:I.Pt05Data 0 BOOL
Main_N043:1:I.Pt05Data - SafetyProgram/Map_Inputs - 1(XIC)
Main_N043:1:I.Pt06Data 0 BOOL
Main_N043:1:I.Pt06Data - SafetyProgram/Map_Inputs - 1(XIC)
Main_N043:1:I.Pt07Data 0 BOOL
Main_N043:1:I.Pt07Data - SafetyProgram/Map_Inputs - 1(XIC)

Main_N043:2:I AB:1734_OB8S_Safety2:I:0 AdvManLab
Constant No
External Access: Read/Write
Main_N043:2:I.ConnectionFaulted 1 BOOL
Main_N043:2:I.ConnectionFaulted - SafetyProgram/Map_Outputs - 2(XIO)

Main_N043:2:O AB:1734_OB8S:O:0 AdvManLab
Constant No
External Access: Read/Write

Main_N043:2:O (Continued)			
Main_N043:2:O.Pt00Data	1	BOOL	
*Main_N043:2:O.Pt00Data - SafetyProgram /Map_Outputs - *2(OTE)*			
Main_N043:2:O.Pt01Data	1	BOOL	
*Main_N043:2:O.Pt01Data - SafetyProgram /Map_Outputs - *2(OTE)*			
Main_N043:2:O.Pt02Data	1	BOOL	
*Main_N043:2:O.Pt02Data - SafetyProgram /Map_Outputs - *2(OTE)*			
Main_N043:2:O.Pt03Data	1	BOOL	
*Main_N043:2:O.Pt03Data - SafetyProgram /Map_Outputs - *2(OTE)*			
Main_N043:2:O.Pt04Data	0	BOOL	
*Main_N043:2:O.Pt04Data - SafetyProgram /Map_Outputs - *2(OTE)*			
Main_N043:2:O.Pt05Data	0	BOOL	
*Main_N043:2:O.Pt05Data - SafetyProgram /Map_Outputs - *2(OTE)*			
Main_N043:2:O.Pt06Data	0	BOOL	
*Main_N043:2:O.Pt06Data - SafetyProgram /Map_Outputs - *2(OTE)*			
Main_N043:2:O.Pt07Data	0	BOOL	
*Main_N043:2:O.Pt07Data - SafetyProgram /Map_Outputs - *2(OTE)*			
Main_N043:3:I	2#0000_0000	SINT	AdvManLab
AliasFor:	Main_N043:I.Data[3]		
Base Tag:	Main_N043:I.Data[3]		
Constant	No		
External Access:	Read/Write		
Main_N043:3:I.0	0	BOOL	
C1 Entry NO RFID			
PPX5 - MainProgram/Cell_1_ZZ - 4(XIC)			
PPX5 - MainProgram/Map_Inputs - 0(XIC)			
Main_N043:I		AB:1734_5SLOT:I:0	AdvManLab
Constant	No		
External Access:	Read/Write		
Main_N043:I.Data[3].0	0	BOOL	
PPX5 - MainProgram/Cell_1_ZZ - 4(XIC)			
PPX5 - MainProgram/Map_Inputs - 0(XIC)			
MainPnlES		EMERGENCY_STOP	AdvManLab
EStop on Main Panel			
Constant	No		
External Access:	Read/Write		
*MainPnlES - SafetyProgram /EStopsAndGates - *1(ESTOP)*			
MainPnlES.EnableIn	1	BOOL	
EStop on Main Panel			
MainPnlES.ResetType	0	BOOL	
EStop on Main Panel			
MainPnlES.ChannelA	1	BOOL	
EStop on Main Panel			
MainPnlES.ChannelB	1	BOOL	
EStop on Main Panel			

MainPnlES (Continued)
MainPnlES.CircuitReset 0 BOOL
EStop on Main Panel
MainPnlES.FaultReset 0 BOOL
EStop on Main Panel
MainPnlES.EnableOut 1 BOOL
EStop on Main Panel
MainPnlES.O1 1 BOOL
EStop on Main Panel
MainPnlES.O1 - SafetyProgram/EStopsAndGates - 21(XIC), 22(XIC), 23(XIC), 24(XIC)
MainPnlES.CI 0 BOOL
EStop on Main Panel
MainPnlES.CRHO 0 BOOL
EStop on Main Panel
MainPnlES.II 0 BOOL
EStop on Main Panel
MainPnlES.FP 0 BOOL
EStop on Main Panel

MainPnlESCH1 1 BOOL AdvManLab
Main Panel E-Stop Button CH1
Constant No
External Access: Read/Write
MainPnlESCH1 - SafetyProgram/EStopsAndGates - 1(ESTOP)
*MainPnlESCH1 - SafetyProgram/Map_Inputs - *1(OTE)*

MainPnlESCH2 1 BOOL AdvManLab
Main Panel E-Stop Button CH2
Constant No
External Access: Read/Write
MainPnlESCH2 - SafetyProgram/EStopsAndGates - 1(ESTOP)
*MainPnlESCH2 - SafetyProgram/Map_Inputs - *1(OTE)*

Man_Valves DINT[8] AdvManLab
Constant No
External Access: Read/Write
Man_Valves[0] 1 DINT
Man_Valves[0] - MainProgram/Control_Valve - 0(EQU)
Man_Valves[1] 1 DINT
Man_Valves[1] - MainProgram/Control_Valve - 1(EQU)
Man_Valves[2] 1 DINT
Man_Valves[2] - MainProgram/Control_Valve - 2(EQU)
Man_Valves[3] 1 DINT
Man_Valves[3] - MainProgram/Control_Valve - 3(EQU)
Man_Valves[4] 0 DINT
Man_Valves[4] - MainProgram/Control_Valve - 4(EQU)
Man_Valves[5] 0 DINT
Man_Valves[5] - MainProgram/Control_Valve - 5(EQU)

Man_Valves (Continued)			
Man_Valves[6]	0	DINT	
Man_Valves[6] - MainProgram/Control_Valve - 6(EQU)			
Man_Valves[7]	0	DINT	
Man_Valves[7] - MainProgram/Control_Valve - 7(EQU)			
Man_Valves_Safe01	-103	SINT	AdvManLab
Constant	No		
Mapped With:	Man_Valves01		
External Access:	Read/Write		
Man_Valves_Safe01 - SafetyProgram /ValveManifold - 0(COP)			
Man_Valves_Safe02	85	SINT	AdvManLab
Constant	No		
Mapped With:	Man_Valves02		
External Access:	Read/Write		
Man_Valves_Safe02 - SafetyProgram /ValveManifold - 0(COP)			
Man_Valves01	-86	SINT	AdvManLab
Constant	No		
External Access:	Read/Write		
Man_Valves01.0	0	BOOL	
*Man_Valves01.0 - MainProgram/Control_Valve - *0(OTE)*			
Man_Valves01.1	1	BOOL	
*Man_Valves01.1 - MainProgram/Control_Valve - *0(OTE)*			
Man_Valves01.2	0	BOOL	
*Man_Valves01.2 - MainProgram/Control_Valve - *1(OTE)*			
Man_Valves01.3	1	BOOL	
*Man_Valves01.3 - MainProgram/Control_Valve - *1(OTE)*			
Man_Valves01.4	0	BOOL	
*Man_Valves01.4 - MainProgram/Control_Valve - *2(OTE)*			
Man_Valves01.5	1	BOOL	
*Man_Valves01.5 - MainProgram/Control_Valve - *2(OTE)*			
Man_Valves01.6	0	BOOL	
*Man_Valves01.6 - MainProgram/Control_Valve - *3(OTE)*			
Man_Valves01.7	1	BOOL	
*Man_Valves01.7 - MainProgram/Control_Valve - *3(OTE)*			
Man_Valves02	85	SINT	AdvManLab
Constant	No		
External Access:	Read/Write		
Man_Valves02.0	1	BOOL	
*Man_Valves02.0 - MainProgram/Control_Valve - *4(OTE)*			
Man_Valves02.1	0	BOOL	
*Man_Valves02.1 - MainProgram/Control_Valve - *4(OTE)*			
Man_Valves02.2	1	BOOL	
*Man_Valves02.2 - MainProgram/Control_Valve - *5(OTE)*			
Man_Valves02.3	0	BOOL	

Man_Valves02 (Continued)
*Man_Valves02.3 - MainProgram/Control_Valve - *5(OTE)*
Man_Valves02.4 1 BOOL
*Man_Valves02.4 - MainProgram/Control_Valve - *6(OTE)*
Man_Valves02.5 0 BOOL
*Man_Valves02.5 - MainProgram/Control_Valve - *6(OTE)*
Man_Valves02.6 1 BOOL
*Man_Valves02.6 - MainProgram/Control_Valve - *7(OTE)*
Man_Valves02.7 0 BOOL
*Man_Valves02.7 - MainProgram/Control_Valve - *7(OTE)*

Manifold_N058:1:O AB:1734_OB8S:O:0 AdvManLab
Constant No
External Access: Read/Write
*Manifold_N058:1:O - SafetyProgram /ValveManifold - *0(COP), *1(COP), *2(COP)*
Manifold_N058:1:O.Pt00Data 0 BOOL
Cell 1 Hold Back Stop Extended
Manifold_N058:1:O.Pt00Data - MainProgram/Cell_1_ZZ - 5(XIC)
Manifold_N058:1:O.Pt02Data 0 BOOL
Cell 1 Robot Stop Extended
Manifold_N058:1:O.Pt04Data 0 BOOL
Manifold_N058:1:O.Pt04Data - MainProgram/Cell_2_ZZ - 2(XIC)

Manifold_N058:2:O AB:1734_OB8S:O:0 AdvManLab
Constant No
External Access: Read/Write
*Manifold_N058:2:O - SafetyProgram /ValveManifold - *0(COP), *1(COP), *2(COP)*

Mode_Auto 1 BOOL AdvManLab
Constant No
External Access: Read/Write
Mode_Auto - MainProgram/Camera_1_Pipeline_ZZ - 2(XIC)
Mode_Auto - MainProgram/Cell_1_2_VFD - 7(XIC)
Mode_Auto - MainProgram/Cell_1_ZZ - 0(XIC), 2(XIC), 3(XIC), 6(XIC), 7(XIC)
Mode_Auto - MainProgram/Cell_2_ZZ - 0(XIC)
*Mode_Auto - MainProgram/Mode_ZZ - *0(OTU), *1(OTL), *2(OTU), *5(OTU), 5(XIO)*
Mode_Auto - MainProgram/RFID - 0(XIC)
Mode_Auto - MainProgram/RFID_1_JW_ZZ - 0(XIC), 5(XIC)
Mode_Auto - MainProgram/RFID_3_JW - 0(XIC), 5(XIC)
Mode_Auto - MainProgram/RFID_BU - 0(XIC), 18(XIC)
Mode_Auto - MainProgram/RFID_HMI - 0(XIC), 12(XIC), 6(XIC)
Mode_Auto - MainProgram/System - 4(XIC)
Mode_Auto_Safe - SafetyProgram /ValveManifold - 0(XIO), 1(XIC)

Mode_Auto_Safe 0 BOOL AdvManLab
Constant No
Mapped With: Mode_Auto
External Access: Read/Write

Mode_Auto_Safe (Continued)
Mode_Auto_Safe - SafetyProgram/ValveManifold - 0(XIO), 1(XIC)
Mode_Auto - MainProgram/Camera_1_Pipeline_ZZ - 2(XIC)
Mode_Auto - MainProgram/Cell_1_2_VFD - 7(XIC)
Mode_Auto - MainProgram/Cell_1_ZZ - 0(XIC), 2(XIC), 3(XIC), 6(XIC), 7(XIC)
Mode_Auto - MainProgram/Cell_2_ZZ - 0(XIC)
*Mode_Auto - MainProgram/Mode_ZZ - *0(OTU), *1(OTL), *2(OTU), *5(OTU), 5(XIO)*
Mode_Auto - MainProgram/RFID - 0(XIC)
Mode_Auto - MainProgram/RFID_1_JW_ZZ - 0(XIC), 5(XIC)
Mode_Auto - MainProgram/RFID_3_JW - 0(XIC), 5(XIC)
Mode_Auto - MainProgram/RFID_BU - 0(XIC), 18(XIC)
Mode_Auto - MainProgram/RFID_HMI - 0(XIC), 12(XIC), 6(XIC)
Mode_Auto - MainProgram/System - 4(XIC)

Mode_Manual 0 BOOL AdvManLab
Constant No
External Access: Read/Write
Mode_Manual - MainProgram/Camera_1_Pipeline_ZZ - 2(XIC)
*Mode_Manual - MainProgram/Mode_ZZ - *0(OTL), *1(OTU), *2(OTU), *5(OTU), 5(XIO)*
Mode_Manual - MainProgram/RFID - 1(XIC)
Mode_Manual - MainProgram/Unused_Vernnaliz - 0(XIC), 2(XIC), 3(XIC)
Mode_Manual_Safe - SafetyProgram/ValveManifold - 0(XIC), 1(XIO)

Mode_Manual_Safe 0 BOOL AdvManLab
Constant No
Mapped With: Mode_Manual
External Access: Read/Write
Mode_Manual_Safe - SafetyProgram/ValveManifold - 0(XIC), 1(XIO)
Mode_Manual - MainProgram/Camera_1_Pipeline_ZZ - 2(XIC)
*Mode_Manual - MainProgram/Mode_ZZ - *0(OTL), *1(OTU), *2(OTU), *5(OTU), 5(XIO)*
Mode_Manual - MainProgram/RFID - 1(XIC)
Mode_Manual - MainProgram/Unused_Vernnaliz - 0(XIC), 2(XIC), 3(XIC)

Mode_None 0 BOOL AdvManLab
Constant No
External Access: Read/Write
Mode_None - MainProgram/Camera_1_Pipeline_ZZ - 2(XIC)
*Mode_None - MainProgram/Mode_ZZ - *0(OTU), *1(OTU), *2(OTU), *5(OTL), 5(XIO)*
Mode_None_Safe - SafetyProgram/ValveManifold - 2(XIC)

Mode_None_Safe 1 BOOL AdvManLab
Constant No
Mapped With: Mode_None
External Access: Read/Write
Mode_None_Safe - SafetyProgram/ValveManifold - 2(XIC)
Mode_None - MainProgram/Camera_1_Pipeline_ZZ - 2(XIC)
*Mode_None - MainProgram/Mode_ZZ - *0(OTU), *1(OTU), *2(OTU), *5(OTL), 5(XIO)*

Mode_Semi 0 BOOL AdvManLab
Constant No
External Access: Read/Write
Mode_Semi - MainProgram/Camera_1_Pipeline_ZZ - 2(XIC)
Mode_Semi - MainProgram/Cell_1_ZZ - 1(XIC), 12(XIC), 13(XIC), 16(XIC), 17(XIC), 18(XIC), 2(XIC), 3(XIC), 4(XIC), 5(XIC), 6(XIC), 7(XIC), 8(XIC), 9(XIC)
Mode_Semi - MainProgram/Cell_2_ZZ - 1(XIC), 10(XIC), 13(XIC), 14(XIC), 15(XIC), 2(XIC), 3(XIC), 4(XIC), 5(XIC), 6(XIC), 9(XIC)
*Mode_Semi - MainProgram/Mode_ZZ - *0(OTU), *1(OTU), *2(OTL), *5(OTU), 5(XIO)*
Mode_Semi - MainProgram/RFID - 0(XIC)
Mode_Semi - MainProgram/RFID_1_JW_ZZ - 6(XIC), 7(XIC), 8(XIC)
Mode_Semi - MainProgram/RFID_2_ZZ - 0(XIC), 5(XIC)
Mode_Semi - MainProgram/RFID_5_ZZ - 0(XIC), 5(XIC)

Mode_Start 0 BOOL AdvManLab
Constant No
External Access: Read/Write
Mode_Start - MainProgram/Cell_1_ZZ - 1(XIC), 12(XIC), 13(XIC), 16(XIC), 17(XIC), 18(XIC), 4(XIC), 5(XIC), 8(XIC), 9(XIC)
Mode_Start - MainProgram/Cell_2_ZZ - 1(XIC), 10(XIC), 13(XIC), 14(XIC), 15(XIC), 2(XIC), 3(XIC), 4(XIC), 5(XIC), 6(XIC), 9(XIC)
Mode_Start - MainProgram/Cell_3_ZZ - 0(XIC)
*Mode_Start - MainProgram/Mode_ZZ - *0(OTU), *1(OTU), *2(OTU), *4(OTE), *5(OTU), 4(XIC)*
Mode_Start - MainProgram/RFID_1_JW_ZZ - 6(XIC), 7(XIC), 8(XIC)
Mode_Start - MainProgram/RFID_2_ZZ - 0(XIC), 5(XIC)
Mode_Start - MainProgram/RFID_5_ZZ - 0(XIC), 5(XIC)
Mode_Start - MainProgram/RFID_6_ZZ - 0(XIC)

NI_1752_1:I AB:ETHERNET_MODULE_DINT_500Bytes:I:0 AdvManLab
Constant No
External Access: Read/Write

NI_1752_1:I.Data		DINT
VBAI:		
NI_1752_1:I.Data[0]	3	DINT
BOOL 0-31 (0-7 Reserved by VBAI)		
NI_1752_1:I.Data[1]	0	DINT
SINT 0-3		
NI_1752_1:I.Data[1].0	0	BOOL
SINT 0-3		
NI_1752_1:I.Data[1].0 - MainProgram/Camera_1_Pipeline_ZZ - 4(XIC)		
NI_1752_1:I.Data[2]	0	DINT
SINT 4-7		
NI_1752_1:I.Data[3]	0	DINT
SINT 8-11		
NI_1752_1:I.Data[4]	0	DINT
INT 0-1		
NI_1752_1:I.Data[5]	0	DINT
INT 2-3		
NI_1752_1:I.Data[6]	0	DINT
INT 4-5		
NI_1752_1:I.Data[7]	0	DINT

NI_1752_1:I (Continued)		
INT 6-7		
NI_1752_1:I.Data[8]	0	DINT
INT 8-9		
NI_1752_1:I.Data[9]	0	DINT
INT 10-11		
NI_1752_1:I.Data[10]	0	DINT
DINT 0		
NI_1752_1:I.Data[11]	0	DINT
DINT 1		
NI_1752_1:I.Data[12]	0	DINT
DINT 2		
NI_1752_1:I.Data[13]	0	DINT
DINT 3		
NI_1752_1:I.Data[14]	0	DINT
DINT 4		
NI_1752_1:I.Data[15]	0	DINT
DINT 5		
NI_1752_1:I.Data[16]	0	DINT
DINT 6		
NI_1752_1:I.Data[17]	0	DINT
DINT 7		
NI_1752_1:I.Data[18]	0	DINT
DINT 8		
NI_1752_1:I.Data[19]	0	DINT
DINT 9		
NI_1752_1:I.Data[20]	0	DINT
DINT 10		
NI_1752_1:I.Data[21]	0	DINT
DINT 11		
NI_1752_1:I.Data[22]	0	DINT
REAL 0		
NI_1752_1:I.Data[22] - MainProgram/Camera_1_Pipeline_ZZ - 1(COP)		
NI_1752_1:I.Data[23]	0	DINT
REAL 1		
NI_1752_1:I.Data[23] - MainProgram/Camera_1_Pipeline_ZZ - 1(COP)		
NI_1752_1:I.Data[24]	0	DINT
REAL 2		
NI_1752_1:I.Data[24] - MainProgram/Camera_1_Pipeline_ZZ - 1(COP)		
NI_1752_1:I.Data[25]	0	DINT
REAL 3		
NI_1752_1:I.Data[25] - MainProgram/Camera_1_Pipeline_ZZ - 1(COP)		
NI_1752_1:I.Data[26]	0	DINT
REAL 4		
NI_1752_1:I.Data[26] - MainProgram/Camera_1_Pipeline_ZZ - 1(COP)		
NI_1752_1:I.Data[27]	0	DINT
REAL 5		
NI_1752_1:I.Data[28]	0	DINT

NI_1752_1:I (Continued)		
REAL 6		
NI_1752_1:I.Data[29]	0	DINT
REAL 7		
NI_1752_1:I.Data[30]	0	DINT
REAL 8		
NI_1752_1:I.Data[31]	0	DINT
REAL 9		
NI_1752_1:I.Data[32]	0	DINT
REAL 10		
NI_1752_1:I.Data[33]	0	DINT
REAL 11		
NI_1752_1:I.Data[34]	0	DINT
VBAI:		
NI_1752_1:I.Data[35]	0	DINT
VBAI:		
NI_1752_1:I.Data[36]	0	DINT
VBAI:		
NI_1752_1:I.Data[37]	0	DINT
VBAI:		
NI_1752_1:I.Data[38]	0	DINT
VBAI:		
NI_1752_1:I.Data[39]	0	DINT
VBAI:		
NI_1752_1:I.Data[40]	0	DINT
VBAI:		
NI_1752_1:I.Data[41]	0	DINT
VBAI:		
NI_1752_1:I.Data[42]	0	DINT
VBAI:		
NI_1752_1:I.Data[43]	0	DINT
VBAI:		
NI_1752_1:I.Data[44]	0	DINT
VBAI:		
NI_1752_1:I.Data[45]	0	DINT
VBAI:		
NI_1752_1:I.Data[46]	0	DINT
VBAI:		
NI_1752_1:I.Data[47]	0	DINT
VBAI:		
NI_1752_1:I.Data[48]	0	DINT
VBAI:		
NI_1752_1:I.Data[49]	0	DINT
VBAI:		
NI_1752_1:I.Data[50]	0	DINT
VBAI:		
NI_1752_1:I.Data[51]	0	DINT
VBAI:		

NI_1752_1:I (Continued)

NI_1752_1:I.Data[52]	0	DINT
VBAI:		
NI_1752_1:I.Data[53]	0	DINT
VBAI:		
NI_1752_1:I.Data[54]	0	DINT
VBAI:		
NI_1752_1:I.Data[55]	0	DINT
VBAI:		
NI_1752_1:I.Data[56]	0	DINT
VBAI:		
NI_1752_1:I.Data[57]	0	DINT
VBAI:		
NI_1752_1:I.Data[58]	0	DINT
VBAI:		
NI_1752_1:I.Data[59]	0	DINT
VBAI:		
NI_1752_1:I.Data[60]	0	DINT
VBAI:		
NI_1752_1:I.Data[61]	0	DINT
VBAI:		
NI_1752_1:I.Data[62]	0	DINT
VBAI:		
NI_1752_1:I.Data[63]	0	DINT
VBAI:		
NI_1752_1:I.Data[64]	0	DINT
VBAI:		
NI_1752_1:I.Data[65]	0	DINT
VBAI:		
NI_1752_1:I.Data[66]	0	DINT
VBAI:		
NI_1752_1:I.Data[67]	0	DINT
VBAI:		
NI_1752_1:I.Data[68]	0	DINT
VBAI:		
NI_1752_1:I.Data[69]	0	DINT
VBAI:		
NI_1752_1:I.Data[70]	0	DINT
VBAI:		
NI_1752_1:I.Data[71]	0	DINT
VBAI:		
NI_1752_1:I.Data[72]	0	DINT
VBAI:		
NI_1752_1:I.Data[73]	0	DINT
VBAI:		
NI_1752_1:I.Data[74]	0	DINT
VBAI:		
NI_1752_1:I.Data[75]	0	DINT

NI_1752_1:I (Continued)		
VBAI:		
NI_1752_1:I.Data[76]	0	DINT
VBAI:		
NI_1752_1:I.Data[77]	0	DINT
VBAI:		
NI_1752_1:I.Data[78]	0	DINT
VBAI:		
NI_1752_1:I.Data[79]	0	DINT
VBAI:		
NI_1752_1:I.Data[80]	0	DINT
VBAI:		
NI_1752_1:I.Data[81]	0	DINT
VBAI:		
NI_1752_1:I.Data[82]	0	DINT
VBAI:		
NI_1752_1:I.Data[83]	0	DINT
VBAI:		
NI_1752_1:I.Data[84]	0	DINT
VBAI:		
NI_1752_1:I.Data[85]	0	DINT
VBAI:		
NI_1752_1:I.Data[86]	0	DINT
VBAI:		
NI_1752_1:I.Data[87]	0	DINT
VBAI:		
NI_1752_1:I.Data[88]	0	DINT
VBAI:		
NI_1752_1:I.Data[89]	0	DINT
VBAI:		
NI_1752_1:I.Data[90]	0	DINT
VBAI:		
NI_1752_1:I.Data[91]	0	DINT
VBAI:		
NI_1752_1:I.Data[92]	0	DINT
VBAI:		
NI_1752_1:I.Data[93]	0	DINT
VBAI:		
NI_1752_1:I.Data[94]	0	DINT
VBAI:		
NI_1752_1:I.Data[95]	0	DINT
VBAI:		
NI_1752_1:I.Data[96]	0	DINT
VBAI:		
NI_1752_1:I.Data[97]	0	DINT
VBAI:		
NI_1752_1:I.Data[98]	0	DINT
VBAI:		

NI_1752_1:I (Continued)		
NI_1752_1:I.Data[99]	0	DINT
VBAI:		
NI_1752_1:I.Data[100]	0	DINT
VBAI:		
NI_1752_1:I.Data[101]	0	DINT
VBAI:		
NI_1752_1:I.Data[102]	0	DINT
VBAI:		
NI_1752_1:I.Data[103]	0	DINT
VBAI:		
NI_1752_1:I.Data[104]	0	DINT
VBAI:		
NI_1752_1:I.Data[105]	0	DINT
VBAI:		
NI_1752_1:I.Data[106]	0	DINT
VBAI:		
NI_1752_1:I.Data[107]	0	DINT
VBAI:		
NI_1752_1:I.Data[108]	0	DINT
VBAI:		
NI_1752_1:I.Data[109]	0	DINT
VBAI:		
NI_1752_1:I.Data[110]	0	DINT
VBAI:		
NI_1752_1:I.Data[111]	0	DINT
VBAI:		
NI_1752_1:I.Data[112]	0	DINT
VBAI:		
NI_1752_1:I.Data[113]	0	DINT
VBAI:		
NI_1752_1:I.Data[114]	0	DINT
VBAI:		
NI_1752_1:I.Data[115]	0	DINT
VBAI:		
NI_1752_1:I.Data[116]	0	DINT
VBAI:		
NI_1752_1:I.Data[117]	0	DINT
VBAI:		
NI_1752_1:I.Data[118]	0	DINT
VBAI:		
NI_1752_1:I.Data[119]	0	DINT
VBAI:		
NI_1752_1:I.Data[120]	0	DINT
VBAI:		
NI_1752_1:I.Data[121]	0	DINT
VBAI:		
NI_1752_1:I.Data[122]	0	DINT

NI_1752_1:I (Continued)		
VBAI:		
NI_1752_1:I.Data[123]	0	DINT
VBAI:		
NI_1752_1:I.Data[124]	0	DINT
VBAI:		
NI_1752_1:O		AB:ETHERNET_MODULE_DINT_496Bytes:O:0
		AdvManLab
Constant	No	
External Access:	Read/Write	
NI_1752_1:O.Data		DINT
VBAI:		
NI_1752_1:O.Data[0]	0	DINT
Bool 0-31		
NI_1752_1:O.Data[0].0	0	BOOL
Bool 0-31		
*NI_1752_1:O.Data[0].0 - MainProgram/Camera_1_Pipeline_ZZ - *0(OTE)*		
NI_1752_1:O.Data[1]	67305985	DINT
SINT 0-3		
NI_1752_1:O.Data[2]	5	DINT
Sint 4-7		
NI_1752_1:O.Data[3]	201326595	DINT
Sint 8-11		
NI_1752_1:O.Data[4]	131073	DINT
Int 0-1		
NI_1752_1:O.Data[5]	0	DINT
Int 2-3		
NI_1752_1:O.Data[6]	0	DINT
Int 4-5		
NI_1752_1:O.Data[7]	0	DINT
Int 6-7		
NI_1752_1:O.Data[8]	0	DINT
Int 8-9		
NI_1752_1:O.Data[9]	786432	DINT
Int 10-11		
NI_1752_1:O.Data[10]	1	DINT
DINT 0		
NI_1752_1:O.Data[11]	2	DINT
DINT 1		
NI_1752_1:O.Data[12]	0	DINT
DINT 2		
NI_1752_1:O.Data[13]	0	DINT
DINT 3		
NI_1752_1:O.Data[14]	0	DINT
DINT 4		
NI_1752_1:O.Data[15]	0	DINT
DINT 5		

NI_1752_1:O (Continued)

NI_1752_1:O.Data[16]	0	DINT
DINT 6		
NI_1752_1:O.Data[17]	0	DINT
DINT 7		
NI_1752_1:O.Data[18]	0	DINT
DINT 8		
NI_1752_1:O.Data[19]	9	DINT
DINT 9		
NI_1752_1:O.Data[20]	10	DINT
DINT 10		
NI_1752_1:O.Data[21]	11	DINT
DINT 11		
NI_1752_1:O.Data[22]	0	DINT
VBAI:		
NI_1752_1:O.Data[23]	0	DINT
VBAI:		
NI_1752_1:O.Data[24]	0	DINT
VBAI:		
NI_1752_1:O.Data[25]	0	DINT
VBAI:		
NI_1752_1:O.Data[26]	0	DINT
VBAI:		
NI_1752_1:O.Data[27]	0	DINT
VBAI:		
NI_1752_1:O.Data[28]	0	DINT
VBAI:		
NI_1752_1:O.Data[29]	0	DINT
VBAI:		
NI_1752_1:O.Data[30]	0	DINT
VBAI:		
NI_1752_1:O.Data[31]	0	DINT
VBAI:		
NI_1752_1:O.Data[32]	0	DINT
VBAI:		
NI_1752_1:O.Data[33]	0	DINT
VBAI:		
NI_1752_1:O.Data[34]	0	DINT
VBAI:		
NI_1752_1:O.Data[35]	0	DINT
VBAI:		
NI_1752_1:O.Data[36]	0	DINT
VBAI:		
NI_1752_1:O.Data[37]	0	DINT
VBAI:		
NI_1752_1:O.Data[38]	0	DINT
VBAI:		
NI_1752_1:O.Data[39]	0	DINT

NI_1752_1:O (Continued)

VBAI:		
NI_1752_1:O.Data[40]	0	DINT
VBAI:		
NI_1752_1:O.Data[41]	0	DINT
VBAI:		
NI_1752_1:O.Data[42]	0	DINT
VBAI:		
NI_1752_1:O.Data[43]	0	DINT
VBAI:		
NI_1752_1:O.Data[44]	0	DINT
VBAI:		
NI_1752_1:O.Data[45]	0	DINT
VBAI:		
NI_1752_1:O.Data[46]	0	DINT
VBAI:		
NI_1752_1:O.Data[47]	0	DINT
VBAI:		
NI_1752_1:O.Data[48]	0	DINT
VBAI:		
NI_1752_1:O.Data[49]	0	DINT
VBAI:		
NI_1752_1:O.Data[50]	0	DINT
VBAI:		
NI_1752_1:O.Data[51]	0	DINT
VBAI:		
NI_1752_1:O.Data[52]	0	DINT
VBAI:		
NI_1752_1:O.Data[53]	0	DINT
VBAI:		
NI_1752_1:O.Data[54]	0	DINT
VBAI:		
NI_1752_1:O.Data[55]	0	DINT
VBAI:		
NI_1752_1:O.Data[56]	0	DINT
VBAI:		
NI_1752_1:O.Data[57]	0	DINT
VBAI:		
NI_1752_1:O.Data[58]	0	DINT
VBAI:		
NI_1752_1:O.Data[59]	0	DINT
VBAI:		
NI_1752_1:O.Data[60]	0	DINT
VBAI:		
NI_1752_1:O.Data[61]	0	DINT
VBAI:		
NI_1752_1:O.Data[62]	0	DINT
VBAI:		

NI_1752_1:O (Continued)		
NI_1752_1:O.Data[63]	0	DINT
VBAI:		
NI_1752_1:O.Data[64]	0	DINT
VBAI:		
NI_1752_1:O.Data[65]	0	DINT
VBAI:		
NI_1752_1:O.Data[66]	0	DINT
VBAI:		
NI_1752_1:O.Data[67]	0	DINT
VBAI:		
NI_1752_1:O.Data[68]	0	DINT
VBAI:		
NI_1752_1:O.Data[69]	0	DINT
VBAI:		
NI_1752_1:O.Data[70]	0	DINT
VBAI:		
NI_1752_1:O.Data[71]	0	DINT
VBAI:		
NI_1752_1:O.Data[72]	0	DINT
VBAI:		
NI_1752_1:O.Data[73]	0	DINT
VBAI:		
NI_1752_1:O.Data[74]	0	DINT
VBAI:		
NI_1752_1:O.Data[75]	0	DINT
VBAI:		
NI_1752_1:O.Data[76]	0	DINT
VBAI:		
NI_1752_1:O.Data[77]	0	DINT
VBAI:		
NI_1752_1:O.Data[78]	0	DINT
VBAI:		
NI_1752_1:O.Data[79]	0	DINT
VBAI:		
NI_1752_1:O.Data[80]	0	DINT
VBAI:		
NI_1752_1:O.Data[81]	0	DINT
VBAI:		
NI_1752_1:O.Data[82]	0	DINT
VBAI:		
NI_1752_1:O.Data[83]	0	DINT
VBAI:		
NI_1752_1:O.Data[84]	0	DINT
VBAI:		
NI_1752_1:O.Data[85]	0	DINT
VBAI:		
NI_1752_1:O.Data[86]	0	DINT

NI_1752_1:O (Continued)		
VBAI:		
NI_1752_1:O.Data[87]	0	DINT
VBAI:		
NI_1752_1:O.Data[88]	0	DINT
VBAI:		
NI_1752_1:O.Data[89]	0	DINT
VBAI:		
NI_1752_1:O.Data[90]	0	DINT
VBAI:		
NI_1752_1:O.Data[91]	0	DINT
VBAI:		
NI_1752_1:O.Data[92]	0	DINT
VBAI:		
NI_1752_1:O.Data[93]	0	DINT
VBAI:		
NI_1752_1:O.Data[94]	0	DINT
VBAI:		
NI_1752_1:O.Data[95]	0	DINT
VBAI:		
NI_1752_1:O.Data[96]	0	DINT
VBAI:		
NI_1752_1:O.Data[97]	0	DINT
VBAI:		
NI_1752_1:O.Data[98]	0	DINT
VBAI:		
NI_1752_1:O.Data[99]	0	DINT
VBAI:		
NI_1752_1:O.Data[100]	0	DINT
VBAI:		
NI_1752_1:O.Data[101]	0	DINT
VBAI:		
NI_1752_1:O.Data[102]	0	DINT
VBAI:		
NI_1752_1:O.Data[103]	0	DINT
VBAI:		
NI_1752_1:O.Data[104]	0	DINT
VBAI:		
NI_1752_1:O.Data[105]	0	DINT
VBAI:		
NI_1752_1:O.Data[106]	0	DINT
VBAI:		
NI_1752_1:O.Data[107]	0	DINT
VBAI:		
NI_1752_1:O.Data[108]	0	DINT
VBAI:		
NI_1752_1:O.Data[109]	0	DINT
VBAI:		

NI_1752_1:O (Continued)			
NI_1752_1:O.Data[110]	0	DINT	
VBAI:			
NI_1752_1:O.Data[111]	0	DINT	
VBAI:			
NI_1752_1:O.Data[112]	0	DINT	
VBAI:			
NI_1752_1:O.Data[113]	0	DINT	
VBAI:			
NI_1752_1:O.Data[114]	0	DINT	
VBAI:			
NI_1752_1:O.Data[115]	0	DINT	
VBAI:			
NI_1752_1:O.Data[116]	0	DINT	
VBAI:			
NI_1752_1:O.Data[117]	0	DINT	
VBAI:			
NI_1752_1:O.Data[118]	0	DINT	
VBAI:			
NI_1752_1:O.Data[119]	0	DINT	
VBAI:			
NI_1752_1:O.Data[120]	0	DINT	
VBAI:			
NI_1752_1:O.Data[121]	0	DINT	
VBAI:			
NI_1752_1:O.Data[122]	0	DINT	
VBAI:			
NI_1752_1:O.Data[123]	0	DINT	
VBAI:			
NI_1752_Camera		MESSAGE	AdvManLab
External Access:	Read/Write		
*NI_1752_Camera - MainProgram/MainRoutine - *19(MSG)*			
ONS	131352	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
ONS.0	0	BOOL	
*ONS.0 - MainProgram/Cell_1_2_VFD - *7(ONS)*			
ONS.21	0	BOOL	
*ONS.21 - MainProgram/RFID_1_JW_ZZ - *0(ONS)*			
PaletClearPreset		DINT[8]	AdvManLab
Constant	No		
External Access:	Read/Write		
PaletClearPreset[0]	700	DINT	
*PaletClearPreset[0] - MainProgram/System - *0(CPT), 2(MOV)*			
PaletClearPreset[1]	600	DINT	

PaletClearPreset (Continued)
PaletClearPreset[1] - MainProgram/System - 2(MOV)

PaletClearPreset[2]	700	DINT	
*PaletClearPreset[2] - MainProgram/System - *1(CPT), 2(MOV)*			
PaletClearPreset[3]	600	DINT	
PaletClearPreset[3] - MainProgram/System - 2(MOV)			
PalletAtC2C3HoldBack	0	BOOL	AdvManLab
Pallet at Cell 2 to Cell 3 Diverter Hold Back Stop			
Constant	No		
External Access:	Read/Write		
*PalletAtC2C3HoldBack - MainProgram/Map_Inputs - *1(OTE)*			
Part_A	0	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
Part_A - MainProgram/Map_Inputs - 2(XIC)			
Part_A_input		COUNTER	AdvManLab
Constant	No		
External Access:	Read/Write		
*Part_A_input - MainProgram/Map_Inputs - *2(CTU)*			
Part_A_output		COUNTER	AdvManLab
Constant	No		
External Access:	Read/Write		
*Part_A_output - MainProgram/Map_Inputs - *4(CTU)*			
Part_B	0	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
Part_B - MainProgram/Map_Inputs - 3(XIC)			
Part_B_input		COUNTER	AdvManLab
Constant	No		
External Access:	Read/Write		
*Part_B_input - MainProgram/Map_Inputs - *3(CTU)*			
Part_B_output		COUNTER	AdvManLab
Constant	No		
External Access:	Read/Write		
*Part_B_output - MainProgram/Map_Inputs - *5(CTU)*			
Part1_Distance	'nan'	STRING	AdvManLab
Constant	No		
External Access:	Read/Write		
*Part1_Distance - MainProgram/Camera_1_Pipeline_ZZ - *2(RTOS)*			

Part1_Length1	'nan'	STRING	AdvManLab
Constant	No		
External Access:	Read/Write		
*Part1_Length1 - MainProgram/Camera_1_Pipeline_ZZ - *2(RTOS)*			
Part1_Length2	'nan'	STRING	AdvManLab
Constant	No		
External Access:	Read/Write		
*Part1_Length2 - MainProgram/Camera_1_Pipeline_ZZ - *2(RTOS)*			
Part1_Width1	'nan'	STRING	AdvManLab
Constant	No		
External Access:	Read/Write		
*Part1_Width1 - MainProgram/Camera_1_Pipeline_ZZ - *2(RTOS)*			
Part1_Width2	'nan'	STRING	AdvManLab
Constant	No		
External Access:	Read/Write		
*Part1_Width2 - MainProgram/Camera_1_Pipeline_ZZ - *2(RTOS)*			
PF525_AlarmName1	''	STRING	AdvManLab
Constant	No		
External Access:	Read/Write		
PF525_AlarmName1 - MainProgram/Cell_1_2_VFD - 5(COP)			
PF525_AlarmName2	''	STRING	AdvManLab
Constant	No		
External Access:	Read/Write		
PF525_AlarmName2 - MainProgram/Cell_3_VFD - 5(COP)			
PF525_FaultCodeList		P_DescList[61]	AdvManLab
PowerFlex 525 VFD Fault Codes and Descriptions			
Constant	No		
External Access:	Read/Write		
*PF525_FaultCodeList - MainProgram/Unused_PF52x - *0(P_PF52x)*			
PF525_FaultCodeList[0]		P_DescList	
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry			
PF525_FaultCodeList[0].Code	0	DINT	
Code / Description List Entry Code for which to look up Description			
PF525_FaultCodeList[0].Desc	'Check drive manual for this fault code'	STRING_40	
Code / Description List Entry Description for given Code			
PF525_FaultCodeList[0].Desc.LEN	38	DINT	
Code / Description List Entry Description for given Code			
PF525_FaultCodeList[0].Desc.DATA		SINT	
Code / Description List Entry Description for given Code			
PF525_FaultCodeList[1]		P_DescList	
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry			
PF525_FaultCodeList[1].Code	2	DINT	

PF525_FaultCodeList (Continued)

Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[1].Desc	'Auxiliary Input'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[1].Desc.LEN	15	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[1].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[2]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[2].Code	3	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[2].Desc	'Power Loss'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[2].Desc.LEN	10	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[2].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[3]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[3].Code	4	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[3].Desc	'Under Voltage'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[3].Desc.LEN	13	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[3].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[4]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[4].Code	5	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[4].Desc	'Over Voltage'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[4].Desc.LEN	12	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[4].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[5]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[5].Code	6	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[5].Desc	'Motor Stalled'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[5].Desc.LEN	13	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[5].Desc.DATA		SINT
Code / Description List Entry Description for given Code		

PF525_FaultCodeList (Continued)

PF525_FaultCodeList[6]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[6].Code	7	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[6].Desc	'Motor Overload'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[6].Desc.LEN	14	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[6].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[7]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[7].Code	8	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[7].Desc	'Heatsink Overtemp'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[7].Desc.LEN	17	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[7].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[8]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[8].Code	9	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[8].Desc	'CC OverTemp'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[8].Desc.LEN	11	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[8].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[9]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[9].Code	12	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[9].Desc	'Hardware Overcurrent'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[9].Desc.LEN	20	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[9].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[10]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[10].Code	13	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[10].Desc	'Ground Fault'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[10].Desc.LEN	12	DINT

PF525_FaultCodeList (Continued)
Code / Description List Entry Description for given Code
PF525_FaultCodeList[10].Desc.DATA SINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[11] P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry
PF525_FaultCodeList[11].Code 15 DINT
Code / Description List Entry Code for which to look up Description
PF525_FaultCodeList[11].Desc 'Load Loss' STRING_40
Code / Description List Entry Description for given Code
PF525_FaultCodeList[11].Desc.LEN 9 DINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[11].Desc.DATA SINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[12] P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry
PF525_FaultCodeList[12].Code 21 DINT
Code / Description List Entry Code for which to look up Description
PF525_FaultCodeList[12].Desc 'Output Phase Loss' STRING_40
Code / Description List Entry Description for given Code
PF525_FaultCodeList[12].Desc.LEN 17 DINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[12].Desc.DATA SINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[13] P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry
PF525_FaultCodeList[13].Code 29 DINT
Code / Description List Entry Code for which to look up Description
PF525_FaultCodeList[13].Desc 'Analog Input Loss' STRING_40
Code / Description List Entry Description for given Code
PF525_FaultCodeList[13].Desc.LEN 17 DINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[13].Desc.DATA SINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[14] P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry
PF525_FaultCodeList[14].Code 33 DINT
Code / Description List Entry Code for which to look up Description
PF525_FaultCodeList[14].Desc 'Auto Restart Tries' STRING_40
Code / Description List Entry Description for given Code
PF525_FaultCodeList[14].Desc.LEN 18 DINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[14].Desc.DATA SINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[15] P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry
PF525_FaultCodeList[15].Code 38 DINT
Code / Description List Entry Code for which to look up Description

PF525_FaultCodeList (Continued)

PF525_FaultCodeList[15].Desc	'Phase U to Ground'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[15].Desc.LEN	17	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[15].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[16]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[16].Code	39	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[16].Desc	'Phase V to Ground'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[16].Desc.LEN	17	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[16].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[17]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[17].Code	40	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[17].Desc	'Phase W to Ground'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[17].Desc.LEN	17	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[17].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[18]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[18].Code	41	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[18].Desc	'Phase U-V Short'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[18].Desc.LEN	15	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[18].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[19]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[19].Code	42	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[19].Desc	'Phase U-W Short'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[19].Desc.LEN	15	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[19].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[20]		P_DescList

PF525_FaultCodeList (Continued)
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry

PF525_FaultCodeList[20].Code	43	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[20].Desc	'Phase V-W Short'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[20].Desc.LEN	15	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[20].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[21]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[21].Code	48	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[21].Desc	'Parameters Defaulted'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[21].Desc.LEN	20	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[21].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[22]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[22].Code	59	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[22].Desc	'Safety Open'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[22].Desc.LEN	11	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[22].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[23]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[23].Code	63	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[23].Desc	'SW Over Current'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[23].Desc.LEN	15	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[23].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[24]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[24].Code	64	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[24].Desc	'Drive Overload'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[24].Desc.LEN	14	DINT
Code / Description List Entry Description for given Code		

PF525_FaultCodeList (Continued)

PF525_FaultCodeList[24].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[25]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[25].Code	70	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[25].Desc	'Power Unit'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[25].Desc.LEN	10	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[25].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[26]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[26].Code	71	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[26].Desc	'DSI Net Loss'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[26].Desc.LEN	12	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[26].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[27]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[27].Code	72	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[27].Desc	'Opt Net Loss'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[27].Desc.LEN	12	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[27].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[28]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[28].Code	73	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[28].Desc	'Ethernet Net Loss'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[28].Desc.LEN	17	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[28].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[29]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[29].Code	80	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[29].Desc	'AutoTune Failure'	STRING_40

PF525_FaultCodeList (Continued)
Code / Description List Entry Description for given Code
PF525_FaultCodeList[29].Desc.LEN 16 DINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[29].Desc.DATA SINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[30] P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry
PF525_FaultCodeList[30].Code 81 DINT
Code / Description List Entry Code for which to look up Description
PF525_FaultCodeList[30].Desc 'DSI Comm Loss' STRING_40
Code / Description List Entry Description for given Code
PF525_FaultCodeList[30].Desc.LEN 13 DINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[30].Desc.DATA SINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[31] P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry
PF525_FaultCodeList[31].Code 82 DINT
Code / Description List Entry Code for which to look up Description
PF525_FaultCodeList[31].Desc 'Opt Comm Loss' STRING_40
Code / Description List Entry Description for given Code
PF525_FaultCodeList[31].Desc.LEN 13 DINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[31].Desc.DATA SINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[32] P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry
PF525_FaultCodeList[32].Code 83 DINT
Code / Description List Entry Code for which to look up Description
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' STRING_40
Code / Description List Entry Description for given Code
PF525_FaultCodeList[32].Desc.LEN 18 DINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[32].Desc.DATA SINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[33] P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry
PF525_FaultCodeList[33].Code 91 DINT
Code / Description List Entry Code for which to look up Description
PF525_FaultCodeList[33].Desc 'Encoder Loss' STRING_40
Code / Description List Entry Description for given Code
PF525_FaultCodeList[33].Desc.LEN 12 DINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[33].Desc.DATA SINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[34] P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry

PF525_FaultCodeList (Continued)

PF525_FaultCodeList[34].Code	94	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[34].Desc	'Function Loss'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[34].Desc.LEN	13	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[34].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[35]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[35].Code	100	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[35].Desc	'Parameter Checksum'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[35].Desc.LEN	18	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[35].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[36]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[36].Code	101	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[36].Desc	'External Storage'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[36].Desc.LEN	16	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[36].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[37]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[37].Code	105	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[37].Desc	'C Connect Error'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[37].Desc.LEN	15	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[37].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[38]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[38].Code	106	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[38].Desc	'Incompat. C-P'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[38].Desc.LEN	13	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[38].Desc.DATA		SINT

PF525_FaultCodeList (Continued)

Code / Description List Entry Description for given Code		
PF525_FaultCodeList[39]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[39].Code	107	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[39].Desc	'Replaced C-P'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[39].Desc.LEN	12	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[39].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[40]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[40].Code	109	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[40].Desc	'Mismatch C-P'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[40].Desc.LEN	12	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[40].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[41]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[41].Code	110	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[41].Desc	'Keypad Membrane'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[41].Desc.LEN	15	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[41].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[42]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[42].Code	111	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[42].Desc	'Safety Hardware'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[42].Desc.LEN	15	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[42].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[43]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[43].Code	114	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[43].Desc	'uC Failure'	STRING_40
Code / Description List Entry Description for given Code		

PF525_FaultCodeList (Continued)

PF525_FaultCodeList[43].Desc.LEN	10	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[43].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[44]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[44].Code	122	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[44].Desc	'I/O Baord Fail'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[44].Desc.LEN	14	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[44].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[45]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[45].Code	125	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[45].Desc	'Flash Update Reqd'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[45].Desc.LEN	17	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[45].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[46]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[46].Code	126	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[46].Desc	'Unrecoverable Error'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[46].Desc.LEN	19	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[46].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[47]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[47].Code	127	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[47].Desc	'DSI Flash Update Reqd'	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[47].Desc.LEN	21	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[47].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[48]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[48].Code	0	DINT

PF525_FaultCodeList (Continued)
Code / Description List Entry Code for which to look up Description
PF525_FaultCodeList[48].Desc " STRING_40
Code / Description List Entry Description for given Code
PF525_FaultCodeList[48].Desc.LEN 0 DINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[48].Desc.DATA SINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[49] P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry
PF525_FaultCodeList[49].Code 0 DINT
Code / Description List Entry Code for which to look up Description
PF525_FaultCodeList[49].Desc " STRING_40
Code / Description List Entry Description for given Code
PF525_FaultCodeList[49].Desc.LEN 0 DINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[49].Desc.DATA SINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[50] P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry
PF525_FaultCodeList[50].Code 0 DINT
Code / Description List Entry Code for which to look up Description
PF525_FaultCodeList[50].Desc " STRING_40
Code / Description List Entry Description for given Code
PF525_FaultCodeList[50].Desc.LEN 0 DINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[50].Desc.DATA SINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[51] P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry
PF525_FaultCodeList[51].Code 0 DINT
Code / Description List Entry Code for which to look up Description
PF525_FaultCodeList[51].Desc " STRING_40
Code / Description List Entry Description for given Code
PF525_FaultCodeList[51].Desc.LEN 0 DINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[51].Desc.DATA SINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[52] P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry
PF525_FaultCodeList[52].Code 0 DINT
Code / Description List Entry Code for which to look up Description
PF525_FaultCodeList[52].Desc " STRING_40
Code / Description List Entry Description for given Code
PF525_FaultCodeList[52].Desc.LEN 0 DINT
Code / Description List Entry Description for given Code
PF525_FaultCodeList[52].Desc.DATA SINT
Code / Description List Entry Description for given Code

PF525_FaultCodeList (Continued)

PF525_FaultCodeList[53]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[53].Code	0	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[53].Desc	"	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[53].Desc.LEN	0	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[53].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[54]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[54].Code	0	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[54].Desc	"	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[54].Desc.LEN	0	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[54].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[55]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[55].Code	0	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[55].Desc	"	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[55].Desc.LEN	0	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[55].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[56]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[56].Code	0	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[56].Desc	"	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[56].Desc.LEN	0	DINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[56].Desc.DATA		SINT
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[57]		P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry		
PF525_FaultCodeList[57].Code	0	DINT
Code / Description List Entry Code for which to look up Description		
PF525_FaultCodeList[57].Desc	"	STRING_40
Code / Description List Entry Description for given Code		
PF525_FaultCodeList[57].Desc.LEN	0	DINT

PF525_FaultCodeList (Continued)
Code / Description List Entry Description for given Code

PF525_FaultCodeList[57].Desc.DATA		SINT	
Code / Description List Entry Description for given Code			
PF525_FaultCodeList[58]		P_DescList	
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry			
PF525_FaultCodeList[58].Code	0	DINT	
Code / Description List Entry Code for which to look up Description			
PF525_FaultCodeList[58].Desc	"	STRING_40	
Code / Description List Entry Description for given Code			
PF525_FaultCodeList[58].Desc.LEN	0	DINT	
Code / Description List Entry Description for given Code			
PF525_FaultCodeList[58].Desc.DATA		SINT	
Code / Description List Entry Description for given Code			
PF525_FaultCodeList[59]		P_DescList	
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry			
PF525_FaultCodeList[59].Code	0	DINT	
Code / Description List Entry Code for which to look up Description			
PF525_FaultCodeList[59].Desc	"	STRING_40	
Code / Description List Entry Description for given Code			
PF525_FaultCodeList[59].Desc.LEN	0	DINT	
Code / Description List Entry Description for given Code			
PF525_FaultCodeList[59].Desc.DATA		SINT	
Code / Description List Entry Description for given Code			
PF525_FaultCodeList[60]		P_DescList	
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry			
PF525_FaultCodeList[60].Code	0	DINT	
Code / Description List Entry Code for which to look up Description			
PF525_FaultCodeList[60].Desc	"	STRING_40	
Code / Description List Entry Description for given Code			
PF525_FaultCodeList[60].Desc.LEN	0	DINT	
Code / Description List Entry Description for given Code			
PF525_FaultCodeList[60].Desc.DATA		SINT	
Code / Description List Entry Description for given Code			
PowerFlexAlarmName1	"	STRING	AdvManLab
Constant	No		
External Access:	Read/Write		
*PowerFlexAlarmName1 - MainProgram/Cell_1_2_VFD - *5(COP)*			
PowerFlexAlarmName2	"	STRING	AdvManLab
Constant	No		
External Access:	Read/Write		
*PowerFlexAlarmName2 - MainProgram/Cell_3_VFD - *5(COP)*			
PowerFlexAlarmTrigger1	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		

PowerFlexAlarmTrigger1 (Continued)
*PowerFlexAlarmTrigger1 - MainProgram/Cell_1_2_VFD - *5(MOV), *6(MOV)*

PowerFlexAlarmTrigger2 0 DINT AdvManLab
Constant No
External Access: Read/Write
*PowerFlexAlarmTrigger2 - MainProgram/Cell_3_VFD - *5(MOV), *6(MOV)*

PPX1 0 BOOL AdvManLab
Sensor Palet Stop RFID1 (Cell 1 Fanuc Robot Stop)
AliasFor: C1_N011:6:I.7
Base Tag: C1_N011:I.Data[6].7
Constant No
External Access: Read/Write
PPX1 - MainProgram/Cell_1_ZZ - 5(XIO), 8(XIC)

PPX2 0 BOOL AdvManLab
Sensor Pallet Stop RFID2 (Cell 2 Hold Back Stop)
AliasFor: Conv_N053:3:I.0
Base Tag: Conv_N053:I.Data[3].0
Constant No
External Access: Read/Write
PPX2 - MainProgram/Cell_2_ZZ - 1(XIC)

PPX3 0 BOOL AdvManLab
Sensor Pallet Stop RFID3 (Cell 2 Fanuc Robot Stop)
AliasFor: Conv_N053:3:I.1
Base Tag: Conv_N053:I.Data[3].1
Constant No
External Access: Read/Write
PPX3 - MainProgram/Cell_2_ZZ - 2(XIO), 5(XIC)

PPX4 0 BOOL AdvManLab
Sensor Pallet Stop RFID4 (Loop 1 Diverter Hold Back Stop)
AliasFor: Conv_N053:3:I.2
Base Tag: Conv_N053:I.Data[3].2
Constant No
External Access: Read/Write
PPX4 - MainProgram/Cell_1_ZZ - 1(XIC)
PPX4 - MainProgram/Map_Inputs - 1(XIC)

PPX5 0 BOOL AdvManLab
Sensor Pallet Stop (Cell 1 Hold Back)
AliasFor: Main_N043:3:I.0
Base Tag: Main_N043:I.Data[3].0
Constant No
External Access: Read/Write
PPX5 - MainProgram/Cell_1_ZZ - 4(XIC)

PPX5 (Continued)
PPX5 - MainProgram/Map_Inputs - 0(XIC)

R1J_Assign 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R1J_Assign - MainProgram/RFID_1_JW_ZZ - *10(OTU), *21(OTL), *9(OTL), 10(XIC)*

R1J_Check_Process_NO 1 DINT AdvManLab
Constant No
External Access: Read/Write
*R1J_Check_Process_NO - MainProgram/RFID_1_JW_ZZ - *18(MOV), 19(EQU), 21(NEQ)*

R1J_Current_Part_NO 2 SINT AdvManLab
Constant No
External Access: Read/Write
R1J_Current_Part_NO - MainProgram/Cell_1_ZZ - 13(EQU), 13(NEQ), 9(EQU)
*R1J_Current_Part_NO - MainProgram/RFID_1_JW_ZZ - *4(MOV)*

R1J_Current_Process_NO 2 SINT AdvManLab
Constant No
External Access: Read/Write
R1J_Current_Process_NO - MainProgram/Cell_1_ZZ - 13(NEQ), 9(EQU)
*R1J_Current_Process_NO - MainProgram/RFID_1_JW_ZZ - *4(MOV)*

R1J_Read 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R1J_Read - MainProgram/RFID_1_JW_ZZ - *0(OTL), *5(OTU), 0(XIO)*

R1J_Read_Check_Fail 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R1J_Read_Check_Fail - MainProgram/RFID_1_JW_ZZ - *18(OTL), *19(OTU), *21(OTU), 19(XIC)*

R1J_Read_Check_InProgress 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R1J_Read_Check_InProgress - MainProgram/RFID_1_JW_ZZ - *16(OTL), *17(OTU), 17(XIC)*

R1J_Read_Check_Results 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R1J_Read_Check_Results - MainProgram/RFID_1_JW_ZZ - *17(OTL), *18(OTU), 18(XIC)*

R1J_Read_Check_Start 0 BOOL AdvManLab
Constant No
External Access: Read/Write

R1J_Read_Check_Start (Continued)
*R1J_Read_Check_Start - MainProgram/RFID_1_JW_ZZ - *14(OTL), *16(OTU), 15(XIC), 16(XIC)*

R1J_Read_Finished 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R1J_Read_Finished - MainProgram/Cell_1_ZZ - *0(OTU), 13(XIC), 4(XIC)*
*R1J_Read_Finished - MainProgram/RFID_1_JW_ZZ - *4(OTL), *5(OTU)*

R1J_Read_InProgress 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R1J_Read_InProgress - MainProgram/RFID_1_JW_ZZ - *2(OTL), *3(OTU), 3(XIC)*

R1J_Read_Results 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R1J_Read_Results - MainProgram/RFID_1_JW_ZZ - *3(OTL), *4(OTU), 4(XIC)*

R1J_Read_Start 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R1J_Read_Start - MainProgram/RFID_1_JW_ZZ - *0(OTL), *2(OTU), 1(XIC), 2(XIC)*

R1J_Write 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R1J_Write - MainProgram/RFID_1_JW_ZZ - *10(OTL), *12(OTU), 11(XIC), 12(XIC)*

R1J_Write_Finished_Check 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R1J_Write_Finished_Check - MainProgram/RFID_1_JW_ZZ - *13(OTL), *14(OTU), 14(XIC)*

R1J_Write_Inprogress 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R1J_Write_Inprogress - MainProgram/RFID_1_JW_ZZ - *12(OTL), *13(OTU), 13(XIC)*

R1J_Write_Pass 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R1J_Write_Pass - MainProgram/Cell_1_ZZ - *17(OTU)*
*R1J_Write_Pass - MainProgram/RFID_1_JW_ZZ - *19(OTL), 20(XIC)*

R2Z_Current_Part_NO 2 DINT AdvManLab
Constant No
External Access: Read/Write

R2Z_Current_Part_NO (Continued)
*R2Z_Current_Part_NO - MainProgram/RFID_2_ZZ - *4(MOV)*

R2Z_Current_Process_NO 2 DINT AdvManLab
Constant No
External Access: Read/Write
*R2Z_Current_Process_NO - MainProgram/RFID_2_ZZ - *4(MOV)*

R2Z_Read 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R2Z_Read - MainProgram/RFID_2_ZZ - *0(OTL), *5(OTU), 0(XIO)*

R2Z_Read_Finished 0 BOOL AdvManLab
Constant No
External Access: Read/Write
R2Z_Read_Finished - MainProgram/Cell_2_ZZ - 1(XIC)
*R2Z_Read_Finished - MainProgram/RFID_2_ZZ - *4(OTL), *5(OTU)*

R2Z_Read_InProgress 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R2Z_Read_InProgress - MainProgram/RFID_2_ZZ - *2(OTL), *3(OTU), 3(XIC)*

R2Z_Read_Results 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R2Z_Read_Results - MainProgram/RFID_2_ZZ - *3(OTL), *4(OTU), 4(XIC)*

R2Z_Read_Start 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R2Z_Read_Start - MainProgram/RFID_2_ZZ - *0(OTL), *2(OTU), 1(XIC), 2(XIC)*

R3J_Assign 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R3J_Assign - MainProgram/RFID_BU - *17(OTL), *5(OTL), *6(OTU), 6(XIC)*

R3J_Check_Process_NO 2 DINT AdvManLab
Constant No
External Access: Read/Write
*R3J_Check_Process_NO - MainProgram/RFID_BU - *14(MOV), 15(EQU), 17(NEQ)*

R3J_Current_Part_NO 2 SINT AdvManLab
Constant No
External Access: Read/Write
R3J_Current_Part_NO - MainProgram/Cell_2_ZZ - 10(NEQ), 6(EQU)

R3J_Current_Part_NO (Continued)
*R3J_Current_Part_NO - MainProgram/RFID_3_JW - *4(MOV)*
*R3J_Current_Part_NO - MainProgram/RFID_BU - *4(MOV)*

R3J_Current_Process_NO 2 SINT AdvManLab
Constant No
External Access: Read/Write
R3J_Current_Process_NO - MainProgram/Cell_2_ZZ - 10(NEQ), 6(EQU)
*R3J_Current_Process_NO - MainProgram/RFID_3_JW - *4(MOV)*
*R3J_Current_Process_NO - MainProgram/RFID_BU - *4(MOV)*

R3J_Process 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R3J_Process - MainProgram/RFID_BU - *18(OTU), *4(OTL), *5(OTU), 5(XIC)*

R3J_Read 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R3J_Read - MainProgram/RFID_3_JW - *0(OTL), *5(OTU), 0(XIO)*
*R3J_Read - MainProgram/RFID_BU - *0(OTL), *18(OTU), 0(XIO)*

R3J_Read_Check_Fail 0 BOOL AdvManLab
Constant No
External Access: Read/Write
R3J_Read_Check_Fail - MainProgram/RFID_1_JW_ZZ - 21(XIC)
*R3J_Read_Check_Fail - MainProgram/RFID_BU - *14(OTL), *15(OTU), *17(OTU), 15(XIC), 17(XIC)*

R3J_Read_Check_InProgress 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R3J_Read_Check_InProgress - MainProgram/RFID_BU - *12(OTL), *13(OTU), 13(XIC)*

R3J_Read_Check_Results 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R3J_Read_Check_Results - MainProgram/RFID_BU - *13(OTL), *14(OTU), 14(XIC)*

R3J_Read_Check_Start 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R3J_Read_Check_Start - MainProgram/RFID_BU - *10(OTL), *12(OTU), 11(XIC), 12(XIC)*

R3J_Read_Finished 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R3J_Read_Finished - MainProgram/Cell_2_ZZ - *0(OTU), 10(XIC)*
*R3J_Read_Finished - MainProgram/RFID_3_JW - *4(OTL), *5(OTU)*

R3J_Read_Finished (Continued)
*R3J_Read_Finished - MainProgram/RFID_BU - *18(OTU), *4(OTL)*

R3J_Read_InProgress 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R3J_Read_InProgress - MainProgram/RFID_3_JW - *2(OTL), *3(OTU), 3(XIC)*
*R3J_Read_InProgress - MainProgram/RFID_BU - *2(OTL), *3(OTU), 3(XIC)*

R3J_Read_Results 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R3J_Read_Results - MainProgram/RFID_3_JW - *3(OTL), *4(OTU), 4(XIC)*
*R3J_Read_Results - MainProgram/RFID_BU - *3(OTL), *4(OTU), 4(XIC)*

R3J_Read_Start 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R3J_Read_Start - MainProgram/RFID_3_JW - *0(OTL), *2(OTU), 1(XIC), 2(XIC)*
*R3J_Read_Start - MainProgram/RFID_BU - *0(OTL), *2(OTU), 1(XIC), 2(XIC)*

R3J_Write 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R3J_Write - MainProgram/RFID_BU - *6(OTL), *8(OTU), 7(XIC), 8(XIC)*

R3J_Write_Finished_Check 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R3J_Write_Finished_Check - MainProgram/RFID_BU - *10(OTU), *9(OTL), 10(XIC)*

R3J_Write_Inprogress 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R3J_Write_Inprogress - MainProgram/RFID_BU - *8(OTL), *9(OTU), 9(XIC)*

R3J_Write_Pass 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R3J_Write_Pass - MainProgram/Cell_2_ZZ - *14(OTU)*
*R3J_Write_Pass - MainProgram/RFID_BU - *15(OTL), *16(OTU), 16(XIC)*

R5Z_Current_Part_NO 2 DINT AdvManLab
Constant No
External Access: Read/Write
*R5Z_Current_Part_NO - MainProgram/RFID_5_ZZ - *4(MOV)*

R5Z_Current_Process_NO 2 DINT AdvManLab

R5Z_Current_Process_NO (Continued)
Constant No
External Access: Read/Write
*R5Z_Current_Process_NO - MainProgram/RFID_5_ZZ - *4(MOV)*

R5Z_Read 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R5Z_Read - MainProgram/RFID_5_ZZ - *0(OTL), *5(OTU), 0(XIO)*

R5Z_Read_Finished 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R5Z_Read_Finished - MainProgram/RFID_5_ZZ - *4(OTL), *5(OTU)*

R5Z_Read_InProgress 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R5Z_Read_InProgress - MainProgram/RFID_5_ZZ - *2(OTL), *3(OTU), 3(XIC)*

R5Z_Read_Results 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R5Z_Read_Results - MainProgram/RFID_5_ZZ - *3(OTL), *4(OTU), 4(XIC)*

R5Z_Read_Start 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R5Z_Read_Start - MainProgram/RFID_5_ZZ - *0(OTL), *2(OTU), 1(XIC), 2(XIC)*

R6S_Check_Current_Part_NO 2 DINT AdvManLab
Constant No
External Access: Read/Write
*R6S_Check_Current_Part_NO - MainProgram/RFID_6_Clear_All_ZZ - *10(MOV)*

R6S_Check_Current_Process_NO 2 DINT AdvManLab
Constant No
External Access: Read/Write
*R6S_Check_Current_Process_NO - MainProgram/RFID_6_Clear_All_ZZ - *10(MOV)*

R6S_User_Input_Part_NO 2 DINT AdvManLab
Constant No
External Access: Read/Write
R6S_User_Input_Part_NO - MainProgram/RFID_6_Clear_All_ZZ - 12(MOV)

R6S_User_Input_Process_NO 2 DINT AdvManLab
Constant No
External Access: Read/Write

R6S_User_Input_Process_NO (Continued)
R6S_User_Input_Process_NO - MainProgram/RFID_6_Clear_All_ZZ - 16(MOV)

R6Z_Check_Read_PB 0 BOOL AdvManLab
Constant No
External Access: Read/Write
R6Z_Check_Read_PB - MainProgram/RFID_6_Clear_All_ZZ - 5(XIC)

R6Z_Clear_All_PB 0 BOOL AdvManLab
Constant No
External Access: Read/Write
R6Z_Clear_All_PB - MainProgram/RFID_6_Clear_All_ZZ - 0(XIC)

R6Z_Write_Check 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R6Z_Write_Check - MainProgram/RFID_6_Clear_All_ZZ - *12(OTL), *14(OTU), 13(XIC), 14(XIC)*

R6Z_Write_Check_1 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R6Z_Write_Check_1 - MainProgram/RFID_6_Clear_All_ZZ - *16(OTL), *18(OTU), 17(XIC), 18(XIC)*

R6Z_Write_Inprogress_Check 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R6Z_Write_Inprogress_Check - MainProgram/RFID_6_Clear_All_ZZ - *14(OTL), *15(OTU), 15(XIC)*

R6Z_Write_Inprogress_Check_1 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R6Z_Write_Inprogress_Check_1 - MainProgram/RFID_6_Clear_All_ZZ - *18(OTL), *19(OTU), 19(XIC)*

R6Z_Write_Test 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R6Z_Write_Test - MainProgram/RFID_6_Clear_All_ZZ - *11(OTL), *12(OTU), 12(XIC)*

R6Z_Write_Test_1 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*R6Z_Write_Test_1 - MainProgram/RFID_6_Clear_All_ZZ - *15(OTL), *16(OTU), 16(XIC)*

R6Z_Write_Test_PB 0 BOOL AdvManLab
Constant No
External Access: Read/Write
R6Z_Write_Test_PB - MainProgram/RFID_6_Clear_All_ZZ - 11(XIC)

RelC1HoldBack TIMER AdvManLab
Constant No
External Access: Read/Write
*RelC1HoldBack - MainProgram/Cell_1_ZZ - *5(TON)*
RelC1HoldBack.PRE 700 DINT
*RelC1HoldBack.PRE - MainProgram/System - *2(MOV)*
RelC1HoldBack.TT 0 BOOL
RelC1HoldBack.TT - MainProgram/Cell_1_ZZ - 5(XIC), 6(XIC), 7(XIO)

RelC1RobotStop TIMER AdvManLab
Constant No
External Access: Read/Write
RelC1RobotStop.PRE 600 DINT
*RelC1RobotStop.PRE - MainProgram/System - *2(MOV)*

RelC2HoldBack TIMER AdvManLab
Constant No
External Access: Read/Write
*RelC2HoldBack - MainProgram/Cell_2_ZZ - *2(TON)*
RelC2HoldBack.PRE 700 DINT
*RelC2HoldBack.PRE - MainProgram/System - *2(MOV)*
RelC2HoldBack.TT 0 BOOL
RelC2HoldBack.TT - MainProgram/Cell_2_ZZ - 2(XIC), 3(XIC), 4(XIO)

RelC2RobotStop TIMER AdvManLab
Constant No
External Access: Read/Write
RelC2RobotStop.PRE 600 DINT
*RelC2RobotStop.PRE - MainProgram/System - *2(MOV)*

RFID_N054:I AB:56RF_IN_IPD22A_SINT:I:0 AdvManLab
Constant No
External Access: Read/Write
RFID_N054:I.Channel[0].TagPresent 0 BOOL
RFID1
RFIDTP1 - MainProgram/Cell_1_ZZ - 12(XIO), 13(XIO), 18(XIO), 4(XIC), 4(XIO), 9(XIC)
RFIDTP1 - MainProgram/Cloud_Team_ZZ - 0(XIC)
RFIDTP1 - MainProgram/RFID_1_JW_ZZ - 0(XIC), 10(XIC), 5(XIO)
RFIDTP1 - MainProgram/RFID_HMI - 1(XIC), 2(XIC)
RFID_N054:I.Channel[0].Busy 0 BOOL
RFID_N054:I.Channel[0].Busy - MainProgram/RFID_1_JW_ZZ - 0(XIO), 10(XIO), 12(XIC), 13(XIO), 16(XIC), 17(XIO), 2(XIC), 3(XIO)
RFID_N054:I.Channel[0].Busy - MainProgram/RFID_HMI - 1(XIO), 3(XIC)
RFID_N054:I.Channel[0].Command 0 INT
RFID_N054:I.Channel[0].Command - MainProgram/RFID_1_JW_ZZ - 1(EQU), 11(EQU), 13(EQU), 15(EQU), 17(EQU), 3(EQU)
RFID_N054:I.Channel[0].Command - MainProgram/RFID_HMI - 2(EQU), 4(EQU)
RFID_N054:I.Channel[0].Data[2] 0 SINT
RFID_N054:I.Channel[0].Data[2] - MainProgram/RFID_HMI - 4(MOV)
RFID_N054:I.Channel[0].Data[3] 0 SINT

RFID_N054:I (Continued)
RFID_N054:I.Channel[0].Data[3] - MainProgram/RFID_1_JW_ZZ - 4(MOV)
RFID_N054:I.Channel[0].Data[3] - MainProgram/RFID_HMI - 4(MOV)

RFID_N054:I.Channel[0].Data[4]	0	SINT

RFID_N054:I.Channel[0].Data[4] - MainProgram/RFID_1_JW_ZZ - 18(MOV), 4(MOV)
RFID_N054:I.Channel[0].Data[4] - MainProgram/RFID_HMI - 4(MOV)

RFID_N054:I.Channel[0].Data[7]	0	SINT

RFID_N054:I.Channel[0].Data[7] - MainProgram/RFID_HMI - 4(MOV)

RFID_N054:I.Channel[0].Data[8]	0	SINT

RFID_N054:I.Channel[0].Data[8] - MainProgram/RFID_HMI - 4(MOV)

RFID_N054:I.Channel[0].Data[9]	0	SINT

RFID_N054:I.Channel[0].Data[9] - MainProgram/RFID_HMI - 4(MOV)

RFID_N054:I.Channel[0].Data[10]	0	SINT

RFID_N054:I.Channel[0].Data[10] - MainProgram/RFID_HMI - 4(MOV)

RFID_N054:I.Channel[1].TagPresent	0	BOOL

RFID2
RFIDTP2 - MainProgram/Cell_2_ZZ - 1(XIC), 1(XIO)
RFIDTP2 - MainProgram/Cloud_Team_ZZ - 3(XIC)
RFIDTP2 - MainProgram/RFID_2_ZZ - 0(XIC), 5(XIO)

RFID_N054:I.Channel[1].Busy	0	BOOL

RFID_N054:I.Channel[1].Busy - MainProgram/RFID_2_ZZ - 0(XIO), 2(XIC), 3(XIO)

RFID_N054:I.Channel[1].Command	4	INT

RFID_N054:I.Channel[1].Command - MainProgram/RFID_2_ZZ - 1(EQU), 3(EQU)

RFID_N054:I.Channel[1].Data[3]	2	SINT

RFID_N054:I.Channel[1].Data[3] - MainProgram/RFID_2_ZZ - 4(MOV)

RFID_N054:I.Channel[1].Data[4]	2	SINT

RFID_N054:I.Channel[1].Data[4] - MainProgram/RFID_2_ZZ - 4(MOV)

RFID_N054:O		AB:56RF_IN_IPD22A_SINT:O:0	AdvManLab
Constant	No		
External Access:	Read/Write		
RFID_N054:O.Channel[0].Command	0	INT	

*RFID_N054:O.Channel[0].Command - MainProgram/RFID_1_JW_ZZ - *0(MOV), *1(MOV), *10(MOV), *11(MOV), *14(MOV), *15(MOV)*
*RFID_N054:O.Channel[0].Command - MainProgram/RFID_HMI - *1(MOV), *2(MOV)*

RFID_N054:O.Channel[0].Address	0	INT

*RFID_N054:O.Channel[0].Address - MainProgram/RFID_1_JW_ZZ - *0(MOV), *10(MOV), *14(MOV)*
*RFID_N054:O.Channel[0].Address - MainProgram/RFID_HMI - *1(MOV)*

RFID_N054:O.Channel[0].Length	17	INT

*RFID_N054:O.Channel[0].Length - MainProgram/RFID_1_JW_ZZ - *0(MOV), *10(MOV), *14(MOV)*
*RFID_N054:O.Channel[0].Length - MainProgram/RFID_HMI - *1(MOV)*

RFID_N054:O.Channel[0].Data[0]	0	SINT

*RFID_N054:O.Channel[0].Data[0] - MainProgram/RFID_1_JW_ZZ - *0(MOV), *10(MOV), *14(MOV)*
*RFID_N054:O.Channel[0].Data[0] - MainProgram/RFID_HMI - *1(MOV)*

RFID_N054:O.Channel[0].Data[1]	0	SINT

*RFID_N054:O.Channel[0].Data[1] - MainProgram/RFID_HMI - *1(MOV)*

RFID_N054:O.Channel[1].Command	4	INT

*RFID_N054:O.Channel[1].Command - MainProgram/RFID_2_ZZ - *0(MOV), *1(MOV)*

RFID_N054:O.Channel[1].Address	0	INT

RFID_N054:O (Continued)
*RFID_N054:O.Channel[1].Address - MainProgram/RFID_2_ZZ - *0(MOV)*
RFID_N054:O.Channel[1].Length 10 INT
*RFID_N054:O.Channel[1].Length - MainProgram/RFID_2_ZZ - *0(MOV)*
RFID_N054:O.Channel[1].Data[0] 0 SINT
*RFID_N054:O.Channel[1].Data[0] - MainProgram/RFID_2_ZZ - *0(MOV)*
RFID_N054:O.Channel[1].Data[1] 0 SINT
*RFID_N054:O.Channel[1].Data[1] - MainProgram/RFID_HMI - *13(MOV), *7(MOV)*

RFID_N055:I AB:56RF_IN_IPD22A_SINT:I:0 AdvManLab
Constant No
External Access: Read/Write
RFID_N055:I.Channel[0].TagPresent 0 BOOL
RFID3
RFIDTP3 - MainProgram/Cell_2_ZZ - 10(XIO), 15(XIO), 6(XIC), 9(XIO)
RFIDTP3 - MainProgram/Cloud_Team_ZZ - 6(XIC)
RFIDTP3 - MainProgram/RFID_3_JW - 0(XIC), 5(XIO)
RFIDTP3 - MainProgram/RFID_BU - 0(XIC), 18(XIO), 6(XIC)
RFIDTP3 - MainProgram/RFID_HMI - 7(XIC), 8(XIC)
RFID_N055:I.Channel[0].Busy 0 BOOL
RFID_N055:I.Channel[0].Busy - MainProgram/RFID_3_JW - 0(XIO), 2(XIC), 3(XIO)
RFID_N055:I.Channel[0].Busy - MainProgram/RFID_BU - 0(XIO), 12(XIC), 13(XIO), 2(XIC), 3(XIO), 6(XIO), 8(XIC), 9(XIO)
RFID_N055:I.Channel[0].Busy - MainProgram/RFID_HMI - 7(XIO), 9(XIC)
RFID_N055:I.Channel[0].Command 0 INT
RFID_N055:I.Channel[0].Command - MainProgram/RFID_3_JW - 1(EQU), 3(EQU)
RFID_N055:I.Channel[0].Command - MainProgram/RFID_BU - 1(EQU), 11(EQU), 13(EQU), 3(EQU), 7(EQU), 9(EQU)
RFID_N055:I.Channel[0].Command - MainProgram/RFID_HMI - 10(EQU), 8(EQU)
RFID_N055:I.Channel[0].Data[2] 0 SINT
RFID_N055:I.Channel[0].Data[2] - MainProgram/RFID_HMI - 10(MOV)
RFID_N055:I.Channel[0].Data[3] 0 SINT
RFID_N055:I.Channel[0].Data[3] - MainProgram/RFID_3_JW - 4(MOV)
RFID_N055:I.Channel[0].Data[3] - MainProgram/RFID_BU - 4(MOV)
RFID_N055:I.Channel[0].Data[3] - MainProgram/RFID_HMI - 10(MOV)
RFID_N055:I.Channel[0].Data[4] 0 SINT
RFID_N055:I.Channel[0].Data[4] - MainProgram/RFID_3_JW - 4(MOV)
RFID_N055:I.Channel[0].Data[4] - MainProgram/RFID_BU - 14(MOV), 4(MOV)
RFID_N055:I.Channel[0].Data[4] - MainProgram/RFID_HMI - 10(MOV)
RFID_N055:I.Channel[0].Data[7] 0 SINT
RFID_N055:I.Channel[0].Data[7] - MainProgram/RFID_HMI - 10(MOV)
RFID_N055:I.Channel[0].Data[8] 0 SINT
RFID_N055:I.Channel[0].Data[8] - MainProgram/RFID_HMI - 10(MOV)
RFID_N055:I.Channel[0].Data[9] 0 SINT
RFID_N055:I.Channel[0].Data[9] - MainProgram/RFID_HMI - 10(MOV)
RFID_N055:I.Channel[0].Data[10] 0 SINT
RFID_N055:I.Channel[0].Data[10] - MainProgram/RFID_HMI - 10(MOV)
RFID_N055:I.Channel[1].TagPresent 0 BOOL
RFID4
RFIDTP4 - MainProgram/Cloud_Team_ZZ - 9(XIC)

RFID_N055:I (Continued)
RFIDTP4 - MainProgram/Control_Valve - 24(XIC)

RFID_N055:O AB:56RF_IN_IPD22A_SINT:O:0 AdvManLab
Constant No
External Access: Read/Write
RFID_N055:O.Channel[0].Command 0 INT
*RFID_N055:O.Channel[0].Command - MainProgram/RFID_3_JW - *0(MOV), *1(MOV)*
*RFID_N055:O.Channel[0].Command - MainProgram/RFID_BU - *0(MOV), *1(MOV), *10(MOV), *11(MOV), *6(MOV), *7(MOV)*
*RFID_N055:O.Channel[0].Command - MainProgram/RFID_HMI - *7(MOV), *8(MOV)*
RFID_N055:O.Channel[0].Address 0 INT
*RFID_N055:O.Channel[0].Address - MainProgram/RFID_3_JW - *0(MOV)*
*RFID_N055:O.Channel[0].Address - MainProgram/RFID_BU - *0(MOV), *10(MOV), *6(MOV)*
*RFID_N055:O.Channel[0].Address - MainProgram/RFID_HMI - *7(MOV)*
RFID_N055:O.Channel[0].Length 17 INT
*RFID_N055:O.Channel[0].Length - MainProgram/RFID_3_JW - *0(MOV)*
*RFID_N055:O.Channel[0].Length - MainProgram/RFID_BU - *0(MOV), *10(MOV), *6(MOV)*
*RFID_N055:O.Channel[0].Length - MainProgram/RFID_HMI - *7(MOV)*
RFID_N055:O.Channel[0].Data[0] 0 SINT
*RFID_N055:O.Channel[0].Data[0] - MainProgram/RFID_3_JW - *0(MOV)*
*RFID_N055:O.Channel[0].Data[0] - MainProgram/RFID_BU - *0(MOV), *10(MOV), *6(MOV)*
*RFID_N055:O.Channel[0].Data[0] - MainProgram/RFID_HMI - *7(MOV)*

RFID_N056:I AB:56RF_IN_IPD22A_SINT:I:0 AdvManLab
Constant No
External Access: Read/Write
RFID_N056:I.Channel[0].TagPresent 0 BOOL
RFID5
RFIDTP5 - MainProgram/Cloud_Team_ZZ - 12(XIC)
RFIDTP5 - MainProgram/RFID_5_ZZ - 0(XIC), 5(XIO)
RFIDTP5 - MainProgram/RFID_HMI - 13(XIC), 14(XIC)
RFID_N056:I.Channel[0].Busy 0 BOOL
RFID_N056:I.Channel[0].Busy - MainProgram/RFID_5_ZZ - 0(XIO), 2(XIC), 3(XIO)
RFID_N056:I.Channel[0].Busy - MainProgram/RFID_HMI - 13(XIO), 15(XIC)
RFID_N056:I.Channel[0].Command 0 INT
RFID_N056:I.Channel[0].Command - MainProgram/RFID_5_ZZ - 1(EQU), 3(EQU)
RFID_N056:I.Channel[0].Command - MainProgram/RFID_HMI - 14(EQU), 16(EQU)
RFID_N056:I.Channel[0].Data[2] 0 SINT
RFID_N056:I.Channel[0].Data[2] - MainProgram/RFID_HMI - 16(MOV)
RFID_N056:I.Channel[0].Data[3] 0 SINT
RFID_N056:I.Channel[0].Data[3] - MainProgram/RFID_5_ZZ - 4(MOV)
RFID_N056:I.Channel[0].Data[3] - MainProgram/RFID_HMI - 16(MOV)
RFID_N056:I.Channel[0].Data[4] 0 SINT
RFID_N056:I.Channel[0].Data[4] - MainProgram/RFID_5_ZZ - 4(MOV)
RFID_N056:I.Channel[0].Data[4] - MainProgram/RFID_HMI - 16(MOV)
RFID_N056:I.Channel[0].Data[7] 0 SINT
RFID_N056:I.Channel[0].Data[7] - MainProgram/RFID_HMI - 16(MOV)
RFID_N056:I.Channel[0].Data[8] 0 SINT

RFID_N056:I (Continued)
RFID_N056:I.Channel[0].Data[8] - MainProgram/RFID_HMI - 16(MOV)
RFID_N056:I.Channel[0].Data[9] 0 SINT
RFID_N056:I.Channel[0].Data[9] - MainProgram/RFID_HMI - 16(MOV)
RFID_N056:I.Channel[0].Data[10] 0 SINT
RFID_N056:I.Channel[0].Data[10] - MainProgram/RFID_HMI - 16(MOV)
RFID_N056:I.Channel[1].TagPresent 0 BOOL
RFID6
RFIDTP6 - MainProgram/Cell_3_ZZ - 0(XIO)
RFIDTP6 - MainProgram/Cloud_Team_ZZ - 15(XIC)
RFIDTP6 - MainProgram/RFID_6_Clear_All_ZZ - 1(XIC), 12(XIC), 16(XIC), 6(XIC)
RFIDTP6 - MainProgram/RFID_6_ZZ - 0(XIC), 6(XIC)
RFID_N056:I.Channel[1].Busy 0 BOOL
RFID_N056:I.Channel[1].Busy - MainProgram/RFID_6_Clear_All_ZZ - 1(XIO), 12(XIO), 14(XIC), 15(XIO), 16(XIO), 18(XIC), 19(XIO), 3(XIC), 4(XIO), 6(XIO), 8(XIC), 9(XIO)
RFID_N056:I.Channel[1].Busy - MainProgram/RFID_6_ZZ - 0(XIO), 12(XIC), 13(XIO), 2(XIC), 3(XIO), 6(XIO), 8(XIC), 9(XIO)
RFID_N056:I.Channel[1].Command 4 INT
RFID_N056:I.Channel[1].Command - MainProgram/RFID_6_Clear_All_ZZ - 13(EQU), 15(EQU), 17(EQU), 19(EQU), 2(EQU), 4(EQU), 7(EQU), 9(EQU)
RFID_N056:I.Channel[1].Command - MainProgram/RFID_6_ZZ - 1(EQU), 11(EQU), 13(EQU), 3(EQU), 7(EQU), 9(EQU)
RFID_N056:I.Channel[1].Data[3] 2 SINT
RFID_N056:I.Channel[1].Data[3] - MainProgram/RFID_6_Clear_All_ZZ - 10(MOV)
RFID_N056:I.Channel[1].Data[3] - MainProgram/RFID_6_ZZ - 14(MOV), 4(MOV)
RFID_N056:I.Channel[1].Data[4] 2 SINT
RFID_N056:I.Channel[1].Data[4] - MainProgram/RFID_6_Clear_All_ZZ - 10(MOV)
RFID_N056:I.Channel[1].Data[4] - MainProgram/RFID_6_ZZ - 4(MOV)

RFID_N056:O AB:56RF_IN_IPD22A_SINT:O:0 AdvManLab
Constant No
External Access: Read/Write
RFID_N056:O.Channel[0].Command 0 INT
*RFID_N056:O.Channel[0].Command - MainProgram/RFID_5_ZZ - *0(MOV), *1(MOV)*
*RFID_N056:O.Channel[0].Command - MainProgram/RFID_HMI - *13(MOV), *14(MOV)*
RFID_N056:O.Channel[0].Address 0 INT
*RFID_N056:O.Channel[0].Address - MainProgram/RFID_5_ZZ - *0(MOV)*
*RFID_N056:O.Channel[0].Address - MainProgram/RFID_HMI - *13(MOV)*
RFID_N056:O.Channel[0].Length 17 INT
*RFID_N056:O.Channel[0].Length - MainProgram/RFID_5_ZZ - *0(MOV)*
*RFID_N056:O.Channel[0].Length - MainProgram/RFID_HMI - *13(MOV)*
RFID_N056:O.Channel[0].Data[0] 0 SINT
*RFID_N056:O.Channel[0].Data[0] - MainProgram/RFID_5_ZZ - *0(MOV)*
*RFID_N056:O.Channel[0].Data[0] - MainProgram/RFID_HMI - *13(MOV)*
RFID_N056:O.Channel[1].Command 4 INT
*RFID_N056:O.Channel[1].Command - MainProgram/RFID_6_Clear_All_ZZ - *1(MOV), *12(MOV), *13(MOV), *16(MOV), *17(MOV), *2(MOV), *6(MOV), *7(MOV)*
*RFID_N056:O.Channel[1].Command - MainProgram/RFID_6_ZZ - *0(MOV), *1(MOV), *10(MOV), *11(MOV), *6(MOV), *7(MOV)*
RFID_N056:O.Channel[1].Address 0 INT
*RFID_N056:O.Channel[1].Address - MainProgram/RFID_6_Clear_All_ZZ - *1(MOV), *12(MOV), *16(MOV), *6(MOV)*
*RFID_N056:O.Channel[1].Address - MainProgram/RFID_6_ZZ - *0(MOV), *10(MOV), *6(MOV)*
RFID_N056:O.Channel[1].Length 10 INT
*RFID_N056:O.Channel[1].Length - MainProgram/RFID_6_Clear_All_ZZ - *1(MOV), *12(MOV), *16(MOV), *6(MOV)*

RFID_N056:O (Continued)
*RFID_N056:O.Channel[1].Length - MainProgram/RFID_6_ZZ - *0(MOV), *10(MOV), *6(MOV)*

RFID_N056:O.Channel[1].Data[0]	0	SINT	

*RFID_N056:O.Channel[1].Data[0] - MainProgram/RFID_6_Clear_All_ZZ - *1(MOV), *12(MOV), *16(MOV), *6(MOV)*
*RFID_N056:O.Channel[1].Data[0] - MainProgram/RFID_6_ZZ - *0(MOV), *10(MOV), *6(MOV)*

RFID_ReadData1	0	SINT	AdvManLab
Constant	No		
External Access:	Read/Write		

*RFID_ReadData1 - MainProgram/RFID_HMI - *4(MOV)*

RFID_ReadData1p	0	SINT	AdvManLab
Constant	No		
External Access:	Read/Write		

*RFID_ReadData1p - MainProgram/RFID_HMI - *4(MOV)*

RFID_ReadData1process	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		

*RFID_ReadData1process - MainProgram/RFID_HMI - *4(MOV)*

RFID_ReadData1processtime	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		

*RFID_ReadData1processtime - MainProgram/RFID_HMI - *4(COP)*

RFID_ReadData1timer		SINT[4]	AdvManLab
Constant	No		
External Access:	Read/Write		

RFID_ReadData1timer - MainProgram/RFID_HMI - 4(COP)

RFID_ReadData1timer[0]	0	SINT

*RFID_ReadData1timer[0] - MainProgram/RFID_HMI - *4(MOV)*

RFID_ReadData1timer[1]	0	SINT

*RFID_ReadData1timer[1] - MainProgram/RFID_HMI - *4(MOV)*

RFID_ReadData1timer[2]	0	SINT

*RFID_ReadData1timer[2] - MainProgram/RFID_HMI - *4(MOV)*

RFID_ReadData1timer[3]	0	SINT

*RFID_ReadData1timer[3] - MainProgram/RFID_HMI - *4(MOV)*

RFID_ReadData3	0	SINT	AdvManLab
Constant	No		
External Access:	Read/Write		

*RFID_ReadData3 - MainProgram/RFID_HMI - *10(MOV)*

RFID_ReadData3p	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		

*RFID_ReadData3p - MainProgram/RFID_HMI - *10(MOV)*

RFID_ReadData3process	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
*RFID_ReadData3process - MainProgram/RFID_HMI - *10(MOV)*			
RFID_ReadData3processtime	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
*RFID_ReadData3processtime - MainProgram/RFID_HMI - *10(COP)*			
RFID_ReadData3timer		SINT[4]	AdvManLab
Constant	No		
External Access:	Read/Write		
RFID_ReadData3timer - MainProgram/RFID_HMI - 10(COP)			
RFID_ReadData3timer[0]	0	SINT	
*RFID_ReadData3timer[0] - MainProgram/RFID_HMI - *10(MOV)*			
RFID_ReadData3timer[1]	0	SINT	
*RFID_ReadData3timer[1] - MainProgram/RFID_HMI - *10(MOV)*			
RFID_ReadData3timer[2]	0	SINT	
*RFID_ReadData3timer[2] - MainProgram/RFID_HMI - *10(MOV)*			
RFID_ReadData3timer[3]	0	SINT	
*RFID_ReadData3timer[3] - MainProgram/RFID_HMI - *10(MOV)*			
RFID_ReadData5	0	SINT	AdvManLab
Constant	No		
External Access:	Read/Write		
*RFID_ReadData5 - MainProgram/RFID_HMI - *16(MOV)*			
RFID_ReadData5p	2	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
RFID_ReadData5p - MainProgram/Map_Inputs - 4(EQU), 5(EQU)			
*RFID_ReadData5p - MainProgram/RFID_HMI - *16(MOV)*			
RFID_ReadData5process	2	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
*RFID_ReadData5process - MainProgram/RFID_HMI - *16(MOV)*			
RFID_ReadData5processtime	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
*RFID_ReadData5processtime - MainProgram/RFID_HMI - *16(COP)*			
RFID_ReadData5timer		SINT[4]	AdvManLab
Constant	No		
External Access:	Read/Write		
RFID_ReadData5timer - MainProgram/RFID_HMI - 16(COP)			

RFID_ReadData5timer (Continued)

RFID_ReadData5timer[0]	0	SINT	
*RFID_ReadData5timer[0] - MainProgram/RFID_HMI - *16(MOV)*			
RFID_ReadData5timer[1]	0	SINT	
*RFID_ReadData5timer[1] - MainProgram/RFID_HMI - *16(MOV)*			
RFID_ReadData5timer[2]	0	SINT	
*RFID_ReadData5timer[2] - MainProgram/RFID_HMI - *16(MOV)*			
RFID_ReadData5timer[3]	0	SINT	
*RFID_ReadData5timer[3] - MainProgram/RFID_HMI - *16(MOV)*			
RFID_Write_1	1	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
*RFID_Write_1 - MainProgram/RFID_HMI - *5(OTL)*			
RFID_Write_3	1	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
*RFID_Write_3 - MainProgram/RFID_HMI - *11(OTL)*			
RFID_Write_5	1	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
*RFID_Write_5 - MainProgram/RFID_HMI - *17(OTL)*			
RFIDTP1	0	BOOL	AdvManLab
RFID Tag at Cell 1 Stop			
AliasFor:	RFID_N054:I.Channel[0].TagPresent		
Base Tag:	RFID_N054:I.Channel[0].TagPresent		
Constant	No		
External Access:	Read/Write		
RFIDTP1 - MainProgram/Cell_1_ZZ - 12(XIO), 13(XIO), 18(XIO), 4(XIC), 4(XIO), 9(XIC)			
RFIDTP1 - MainProgram/Cloud_Team_ZZ - 0(XIC)			
RFIDTP1 - MainProgram/RFID_1_JW_ZZ - 0(XIC), 10(XIC), 5(XIO)			
RFIDTP1 - MainProgram/RFID_HMI - 1(XIC), 2(XIC)			
RFIDTP2	0	BOOL	AdvManLab
RFID Tag at Cell 2 Hold Back Stop			
AliasFor:	RFID_N054:I.Channel[1].TagPresent		
Base Tag:	RFID_N054:I.Channel[1].TagPresent		
Constant	No		
External Access:	Read/Write		
RFIDTP2 - MainProgram/Cell_2_ZZ - 1(XIC), 1(XIO)			
RFIDTP2 - MainProgram/Cloud_Team_ZZ - 3(XIC)			
RFIDTP2 - MainProgram/RFID_2_ZZ - 0(XIC), 5(XIO)			
RFIDTP3	0	BOOL	AdvManLab
RFID Tag at Cell 2 Stop			

RFIDTP3 (Continued)
AliasFor: RFID_N055:I.Channel[0].TagPresent
Base Tag: RFID_N055:I.Channel[0].TagPresent
Constant No
External Access: Read/Write
RFIDTP3 - MainProgram/Cell_2_ZZ - 10(XIO), 15(XIO), 6(XIC), 9(XIO)
RFIDTP3 - MainProgram/Cloud_Team_ZZ - 6(XIC)
RFIDTP3 - MainProgram/RFID_3_JW - 0(XIC), 5(XIO)
RFIDTP3 - MainProgram/RFID_BU - 0(XIC), 18(XIO), 6(XIC)
RFIDTP3 - MainProgram/RFID_HMI - 7(XIC), 8(XIC)

RFIDTP4 0 BOOL AdvManLab
RFID Tag at Cell C23 Hold Back Stop
AliasFor: RFID_N055:I.Channel[1].TagPresent
Base Tag: RFID_N055:I.Channel[1].TagPresent
Constant No
External Access: Read/Write
RFIDTP4 - MainProgram/Cloud_Team_ZZ - 9(XIC)
RFIDTP4 - MainProgram/Control_Valve - 24(XIC)

RFIDTP5 0 BOOL AdvManLab
RFID Tag at Cell 3 Stop
AliasFor: RFID_N056:I.Channel[0].TagPresent
Base Tag: RFID_N056:I.Channel[0].TagPresent
Constant No
External Access: Read/Write
RFIDTP5 - MainProgram/Cloud_Team_ZZ - 12(XIC)
RFIDTP5 - MainProgram/RFID_5_ZZ - 0(XIC), 5(XIO)
RFIDTP5 - MainProgram/RFID_HMI - 13(XIC), 14(XIC)

RFIDTP6 0 BOOL AdvManLab
RFID6
AliasFor: RFID_N056:I.Channel[1].TagPresent
Base Tag: RFID_N056:I.Channel[1].TagPresent
Constant No
External Access: Read/Write
RFIDTP6 - MainProgram/Cell_3_ZZ - 0(XIO)
RFIDTP6 - MainProgram/Cloud_Team_ZZ - 15(XIC)
RFIDTP6 - MainProgram/RFID_6_Clear_All_ZZ - 1(XIC), 12(XIC), 16(XIC), 6(XIC)
RFIDTP6 - MainProgram/RFID_6_ZZ - 0(XIC), 6(XIC)

Robot1_Busy_ZZ 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*Robot1_Busy_ZZ - MainProgram/Cell_1_ZZ - *19(OTE), 12(XIO), 9(XIO)*

Robot1_DroppedP1 1 BOOL AdvManLab
Constant No

Robot1_DroppedP1 (Continued)
External Access: Read/Write
*Robot1_DroppedP1 - MainProgram/RFID_1_JW_ZZ - *20(OTU), *6(OTL), 10(XIC), 19(XIC), 20(XIC), 21(XIC), 9(XIC)*

Robot1_DroppedP2 1 BOOL AdvManLab
Constant No
External Access: Read/Write
*Robot1_DroppedP2 - MainProgram/RFID_1_JW_ZZ - *20(OTU), *7(OTL), 10(XIC), 19(XIC), 20(XIC), 21(XIC), 9(XIC)*

Robot1_Flipped 1 BOOL AdvManLab
Constant No
External Access: Read/Write
*Robot1_Flipped - MainProgram/RFID_1_JW_ZZ - *20(OTU), *8(OTL), 10(XIC), 19(XIC), 20(XIC), 21(XIC), 9(XIC)*

Robot2_Busy_ZZ 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*Robot2_Busy_ZZ - MainProgram/Cell_2_ZZ - *16(OTE), 6(XIO), 9(XIO)*

Robot2_DroppedP3 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*Robot2_DroppedP3 - MainProgram/RFID_BU - *16(OTU), 16(XIC), 5(XIC)*

Robot2_DroppedP4 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*Robot2_DroppedP4 - MainProgram/RFID_BU - *16(OTU), 16(XIC), 5(XIC)*

Robot2DroppedPart 0 BOOL AdvManLab
Constant No
External Access: Read/Write
Robot2DroppedPart - MainProgram/RFID_BU - 5(XIC)

RunABBLoopatSpeed 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*RunABBLoopatSpeed - MainProgram/Unused_Vernnaliz - *1(OTE)*

RunASynchCase 0 BOOL AdvManLab
Constant No
External Access: Read/Write
RunASynchCase - MainProgram/Unused_Vernnaliz - 3(XIC)

RunCont 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*RunCont - MainProgram/Unused_Vernnaliz - *0(OTE), 1(XIC)*

RungCommentS 1 BOOL AdvManLab
Constant No
External Access: Read/Write
*RungCommentS - SafetyProgram/EStopsAndGates - *0(OTE), *11(OTE), *17(OTE), *5(OTE)*
*RungCommentS - SafetyProgram/Map_Inputs - *0(OTE), *12(OTE), *16(OTE), *2(OTE), *7(OTE)*
*RungCommentS - SafetyProgram/Map_Outputs - *1(OTE)*

RunPartOnCNC1 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*RunPartOnCNC1 - MainProgram/CNC1 - *0(OTL), *2(OTU), 1(XIC), 2(XIC)*

RunPartOnCNC2 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*RunPartOnCNC2 - MainProgram/CNC2 - *0(OTL), *2(OTU), 1(XIC), 2(XIC)*

RunpartOnCNC3 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*RunpartOnCNC3 - MainProgram/Cell_2_ZZ - *0(OTU)*
*RunpartOnCNC3 - MainProgram/CNC3 - *0(OTL), *2(OTU), 1(XIC), 2(XIC)*

RunPartOnCNC4 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*RunPartOnCNC4 - MainProgram/Cell_2_ZZ - *0(OTU)*
*RunPartOnCNC4 - MainProgram/CNC4 - *0(OTL), *2(OTU), 1(XIC), 2(XIC)*

RunSynch 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*RunSynch - MainProgram/Unused_Vernnaliz - *2(OTE)*

RunSynchCase 1 BOOL AdvManLab
Constant No
External Access: Read/Write
RunSynchCase - MainProgram/Unused_Vernnaliz - 2(XIC)

SC105 P_PF52x AdvManLab
Pump 105 Motor (PowerFlex 525 drive)
Constant No
External Access: Read/Write
*SC105 - MainProgram/Unused_PF52x - *0(P_PF52x)*
SC105.EnableIn 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) Enable Input - System Defined Parameter
SC105.EnableOut 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) Enable Output - System Defined Parameter

SC105 (Continued)

SC105.Inp_FwdPermOK 1 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Permissives OK, drive can start Forward

SC105.Inp_FwdNBPermOK 1 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Non-Bypassable Permissives OK, drive can start Forward

SC105.Inp_RevPermOK 1 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Permissives OK, drive can start Reverse

SC105.Inp_RevNBPermOK 1 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Non-Bypassable Permissives OK, motor can start Reverse

SC105.Inp_IntlkOK 1 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Interlocks OK, drive can start/run

SC105.Inp_NBIntlkOK 1 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Non-Bypassable Interlocks OK, drive can start/run

SC105.Inp_IOFault 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) Input Communication Status 0=OK, 1=fail

SC105.Inp_Sim 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Simulate working drive; 0=Start/Stop/ Monitor actual drive

SC105.Inp_Hand 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Acquire Hand (typ. hardwired local) Mode, 0=Release Hand Mode

SC105.Inp_Ovrd 0 BOOL
Pump 105 Motor (PowerFlex 525 drive)

SC105.Inp_OvrdCmd 0 SINT
Pump 105 Motor (PowerFlex 525 drive) Override Mode Command: 0=None, 1=Stop, 2=Start Fwd 3=Start Rev

SC105.Inp_OvrdSpeed 0.0 REAL
Pump 105 Motor (PowerFlex 525 drive) Value to set Speed Reference in Override Mode (SpeedRef EU)

SC105.Inp_Reset 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Reset drive fault conditions and latched Alarms

SC105.Cfg_HasReverse 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive can be run reverse, 0=Forward only

SC105.Cfg_HasJog 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive Jog Command enabled/visible, 0=Drive Jog Command not allowed

SC105.Cfg_AllowLocal 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Allow Local Start/Stop without alarm, 0=Start/Stop from HMI/prog only

SC105.Cfg_HasFwdPermObj 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Tells HMI a P_Perm is connected to Inp_FwdPerm

SC105.Cfg_HasRevPermObj 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Tells HMI a P_Perm is connected to Inp_RevPerm

SC105.Cfg_HasIntlkObj 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Tells HMI a P_Intlk is connected to Inp_Intlk

SC105.Cfg_HasResInhObj 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Tells HMI a P_ResInh Restart Inhibit is connected

SC105.Cfg_HasRunTimeObj 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Tells HMI a P_RunTime is connected

SC105.Cfg_SetTrack 1 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=PSets track OSets in Oper, OSets track PSets in Prog, 0=no tracking

SC105.Cfg_SetTrackOvrdHand 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Prog/Oper Settings track Override/Hand speed reference

SC105.Cfg_PCmdClear 1 BOOL

SC105 (Continued)
Pump 105 Motor (PowerFlex 525 drive)

SC105.Cfg_ProgDefault	0	BOOL
Pump 105 Motor (PowerFlex 525 drive)		
SC105.Cfg_OperStopPrio	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=OCmd_Stop has priority, accepted any time, 0=OCmd_Stop only in Oper, Maint Mode.		
SC105.Cfg_OCmdResets	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=New Oper drive cmd. resets fault, 0=reset req'd to clear fault		
SC105.Cfg_OvrdPermIntlk	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Override ignores Bypassable Perm/ Intlk; 0=always use Perm/Intlk		
SC105.Cfg_ShedOnFailToStart	1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Stop Motor and Alarm on Fail to Start; 0=Alarm only on Fail to Start		
SC105.Cfg_ShedOnIOFault	1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Stop Motor and Alarm on I/O Fault; 0=Alarm only on I/O Fault		
SC105.Cfg_SimScaleEU	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=In simulation, scale Speed Ref EU to Speed Fdbk EU		
SC105.Cfg_SimScaleRaw	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=In simulation, scale Speed Ref EU to raw, then raw to Speed Fdbk EU		
SC105.Cfg_HasFailToStartAlm	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Fail to Start Alarm exists and will be checked		
SC105.Cfg_HasFailToStopAlm	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Fail to Stop Alarm exists and will be checked		
SC105.Cfg_HasIntlkTripAlm	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Interlock Trip Alarm exists and will be checked		
SC105.Cfg_HasDriveFaultAlm	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive Fault alarm exists and will be checked		
SC105.Cfg_HasIOFaultAlm	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=I/O Fault Alarm exists and will be checked		
SC105.Cfg_FailToStartResetReqd	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Reset requied to clear Fail to Start Alarm		
SC105.Cfg_FailToStopResetReqd	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Reset required to clear Fail to Stop Alarm		
SC105.Cfg_IntlkTripResetReqd	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Reset required to clear Interlock Trip Alarm		
SC105.Cfg_DriveFaultResetReqd	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Reset required to clear Drive Fault Alarm		
SC105.Cfg_IOFaultResetReqd	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Reset required to clear I/O Fault Alarm		
SC105.Cfg_FailToStartAckReqd	1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Acknowledge required for Fail to Start Alarm		
SC105.Cfg_FailToStopAckReqd	1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Acknowledge required for Fail to Stop Alarm		
SC105.Cfg_IntlkTripAckReqd	1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Acknowledge required for Interlock Trip Alarm		
SC105.Cfg_DriveFaultAckReqd	1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Acknowledge required for Drive Fault Alarm		
SC105.Cfg_IOFaultAckReqd	1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Acknowledge required for I/O Fault Alarm		

SC105 (Continued)

SC105.Cfg_FailToStartSeverity	1000	INT
Pump 105 Motor (PowerFlex 525 drive) Fail To Start Alarm Severity: 1..250=Low, 251..500=Medium, 501..750=High, 751..1000=Urgent		
SC105.Cfg_FailToStopSeverity	1000	INT
Pump 105 Motor (PowerFlex 525 drive) Fail To Stop Alarm Severity: 1..250=Low, 251..500=Medium, 501..750=High, 751..1000=Urgent		
SC105.Cfg_IntlkTripSeverity	500	INT
Pump 105 Motor (PowerFlex 525 drive) Interlock Trip Alarm Severity: 1..250=Low, 251..500=Medium, 501..750=High, 751..1000=Urgent		
SC105.Cfg_DriveFaultSeverity	1000	INT
Pump 105 Motor (PowerFlex 525 drive) Drive Fault Alarm Severity: 1..250=Low, 251..500=Medium, 501..750=High, 751..1000=Urgent		
SC105.Cfg_IOFaultSeverity	1000	INT
Pump 105 Motor (PowerFlex 525 drive) I/O Fault Alarm Severity: 1..250=Low, 251..500=Medium, 501..750=High, 751..1000=Urgent		
SC105.Cfg_MinSpdRef	0.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Minimum Speed Reference in EU (for limiting)		
SC105.Cfg_MaxSpdRef	60.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Maximum Speed Reference in EU (for limiting)		
SC105.Cfg_SpeedRefRawMin	0	INT
Pump 105 Motor (PowerFlex 525 drive) Speed Reference Minimum in Drive (raw) Units (for scaling)		
SC105.Cfg_SpeedRefRawMax	6000	INT
Pump 105 Motor (PowerFlex 525 drive) Speed Reference Maximum in Drive (raw) Units (for scaling)		
SC105.Cfg_SpeedRefEUMin	0.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Speed Reference Minimum in Engineering Units (for scaling)		
SC105.Cfg_SpeedRefEUMax	60.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Speed Reference Maximum in Engineering Units (for scaling)		
SC105.Cfg_SpeedFdbkRawMin	0	INT
Pump 105 Motor (PowerFlex 525 drive) Speed Feedback Minimum in Drive (raw) Units (for scaling)		
SC105.Cfg_SpeedFdbkRawMax	6000	INT
Pump 105 Motor (PowerFlex 525 drive) Speed Feedback Maximum in Drive (raw) Units (for scaling)		
SC105.Cfg_SpeedFdbkEUMin	0.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Speed Feedback Minimum in Engineering Units (for scaling)		
SC105.Cfg_SpeedFdbkEUMax	60.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Speed Feedback Maximum in Engineering Units (for scaling)		
SC105.Cfg_SimRampT	10	DINT
Pump 105 Motor (PowerFlex 525 drive) Time to ramp speed fdbk when in Simulation (sec)		
SC105.Cfg_FailToStartT	15	DINT
Pump 105 Motor (PowerFlex 525 drive) Time after Start to get Run Feedback before Fault (sec)		
SC105.Cfg_FailToStopT	15	DINT
Pump 105 Motor (PowerFlex 525 drive) Time after Stop to drop Run Feedback before Fault (sec)		
SC105.Cfg_ResetPulseT	2	DINT
Pump 105 Motor (PowerFlex 525 drive) Time to pulse Out_Reset to clear drive fault		
SC105.Cfg_MaxJogT	0.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Maximum jog time (sec, 0=unlimited)		
SC105.Cfg_OperKeep	2#0000_0000	SINT
Pump 105 Motor (PowerFlex 525 drive) Oper keeps control in Prog Mode: .0=Reference, .1=Start/Stop, .2=Fwd/Rev		
SC105.Cfg_ProgKeep	2#0000_0000	SINT
Pump 105 Motor (PowerFlex 525 drive) Prog keeps control in Oper Mode: .0=Reference, .1=Start/Stop, .2=Fwd/Rev		
SC105.PSet_SpeedRef	0.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Program Setting of Speed Reference (EU)		
SC105.PSet_Owner	0	DINT

SC105 (Continued)

Pump 105 Motor (PowerFlex 525 drive) Program Owner Request ID (non-zero) or Release (zero)

SC105.OSet_SpeedRef	0.0	REAL

Pump 105 Motor (PowerFlex 525 drive) Operator Setting of Speed Reference (EU)

SC105.PCmd_Start	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Start Drive

SC105.PCmd_Stop	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Stop Drive

SC105.PCmd_Fwd	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to set direction to Fowrard

SC105.PCmd_Rev	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to set direction to Reverse

SC105.PCmd_Acq	0	BOOL

Pump 105 Motor (PowerFlex 525 drive)

SC105.PCmd_Rel	0	BOOL

Pump 105 Motor (PowerFlex 525 drive)

SC105.PCmd_Lock	0	BOOL

Pump 105 Motor (PowerFlex 525 drive)

SC105.PCmd_Unlock	0	BOOL

Pump 105 Motor (PowerFlex 525 drive)

SC105.PCmd_Reset	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Reset drive fault and all Alarms requiring Reset

SC105.PCmd_FailToStartAck	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Acknowledge Fail to Start Alarm

SC105.PCmd_FailToStartSuppress	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Suppress Fail to Start Alarm

SC105.PCmd_FailToStartUnsuppress	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Unsuppress Fail to Start Alarm

SC105.PCmd_FailToStartUnshelve	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Unshelve Fail to Start Alarm

SC105.PCmd_FailToStopAck	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Acknowledge Fail to Stop Alarm

SC105.PCmd_FailToStopSuppress	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Suppress Fail to Stop Alarm

SC105.PCmd_FailToStopUnsuppress	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Unsuppress Fail to Stop Alarm

SC105.PCmd_FailToStopUnshelve	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Unshelve Fail to Stop Alarm

SC105.PCmd_IntlkTripAck	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Acknowledge Interlock Trip Alarm

SC105.PCmd_IntlkTripSuppress	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Suppress Interlock Trip Alarm

SC105.PCmd_IntlkTripUnsuppress	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Unsuppress Interlock Trip Alarm

SC105.PCmd_IntlkTripUnshelve	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Unshelve Interlock Trip Alarm

SC105.PCmd_DriveFaultAck	0	BOOL

Pump 105 Motor (PowerFlex 525 drive) Program Command to Acknowledge Drive Fault Alarm

SC105 (Continued)

SC105.PCmd_DriveFaultSuppress	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Suppress Drive Fault Alarm		
SC105.PCmd_DriveFaultUnsuppress	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Unsuppress Drive Fault Alarm		
SC105.PCmd_DriveFaultUnshelve	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Unshelve Drive Fault Alarm		
SC105.PCmd_IOFaultAck	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Acknowledge I/O Fault Alarm		
SC105.PCmd_IOFaultSuppress	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Suppress I/O Fault Alarm		
SC105.PCmd_IOFaultUnsuppress	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Unsuppress I/O Fault Alarm		
SC105.PCmd_IOFaultUnshelve	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Unshelve I/O Fault Alarm		
SC105.OCmd_Start	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Operator Command to Start Drive		
SC105.OCmd_Stop	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Operator Command to Stop Drive		
SC105.OCmd_Jog	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Operator Command to Jog Drive (not cleared by P_PF52x!)		
SC105.OCmd_Fwd	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Operator Command to set direction to Forward		
SC105.OCmd_Rev	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Operator Command to set direction to Reverse		
SC105.OCmd_Bypass	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Operator Command to Bypass all Bypassable Interlocks and Permissives		
SC105.OCmd_Check	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Operator Command to Check (not bypass) all Interlocks and Permissives		
SC105.MCmd_Disable	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Maintenance Command to Disable Drive		
SC105.MCmd_Enable	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Maintenance Command to Enable (allow to run) Drive		
SC105.MCmd_Acq	0	BOOL
Pump 105 Motor (PowerFlex 525 drive)		
SC105.MCmd_Rel	0	BOOL
Pump 105 Motor (PowerFlex 525 drive)		
SC105.OCmd_AcqLock	0	BOOL
Pump 105 Motor (PowerFlex 525 drive)		
SC105.OCmd_Unlock	0	BOOL
Pump 105 Motor (PowerFlex 525 drive)		
SC105.OCmd_Reset	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Operator Command to Reset all Alarms requiring Reset		
SC105.OCmd_ResetAckAll	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Operator Command to Reset all Alarms and latched Shed conditions		
SC105.Val_SpeedRef	0.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Speed Reference (target) to drive		
SC105.Val_SpeedFdbk	0.0	REAL

SC105 (Continued)

Pump 105 Motor (PowerFlex 525 drive) Speed Feedback (actual) from drive

SC105.Val_SpeedRefRaw 0.0 REAL
Pump 105 Motor (PowerFlex 525 drive) Copy of Speed Reference Output (in Raw units) for faceplate

SC105.Val_SpeedFdbkRaw 0.0 REAL
Pump 105 Motor (PowerFlex 525 drive) Copy of Speed Feedback Input (in Raw units) for faceplate

SC105.Val_SpeedRefEUMin 0.0 REAL
Pump 105 Motor (PowerFlex 525 drive) Minimum of Speed Reference = MIN (Cfg_SpeedFdbkEUMin, Cfg_SpeedFdbkEUMax)

SC105.Val_SpeedRefEUMax 60.0 REAL
Pump 105 Motor (PowerFlex 525 drive) Maximum of Speed Reference = MAX (Cfg_SpeedFdbkEUMin, Cfg_SpeedFdbkEUMax)

SC105.Val_SpeedFdbkEUMin 0.0 REAL
Pump 105 Motor (PowerFlex 525 drive) Minimum of Speed Feedback = MIN (Cfg_SpeedFdbkEUMin, Cfg_SpeedFdbkEUMax)

SC105.Val_SpeedFdbkEUMax 60.0 REAL
Pump 105 Motor (PowerFlex 525 drive) Maximum of Speed Feedback = MAX (Cfg_SpeedFdbkEUMin, Cfg_SpeedFdbkEUMax)

SC105.Val_LastFaultCode 0 DINT
Pump 105 Motor (PowerFlex 525 drive) Last drive fault code (enum) (Par 951)

SC105.Val_OutCurrent 0.0 REAL
Pump 105 Motor (PowerFlex 525 drive) Drive output current (Amps)

SC105.Val_OutPower 24.0 REAL
Pump 105 Motor (PowerFlex 525 drive) Drive output power (kW)

SC105.SrcQ_IO 0 SINT
Pump 105 Motor (PowerFlex 525 drive) Source and Quality of primary I/O (enumeration)

SC105.SrcQ 0 SINT
Pump 105 Motor (PowerFlex 525 drive) Source and Quality of primary Val/Sts (enumeration)

SC105.Val_Cmd 0 SINT
Pump 105 Motor (PowerFlex 525 drive) Device Command 0=None, 1=Stop, 2=StartFwd 3=StartRev 4=JogFwd 5=JogRev

SC105.Val_Fdbk 0 SINT
Pump 105 Motor (PowerFlex 525 drive) Device Feedback 0=Stopped, 1=Running Fwd 2=Running Rev 3=Accelerating 4=Decelerating

SC105.Val_Sts 0 SINT
Pump 105 Motor (PowerFlex 525 drive) Device Confirmed Sts 0? 1=Stop 2=RunF 3=RunR 4=JogF 5=JogR 6=Stopping 7=Starting F 8=Starting R, 33=Disabled

SC105.Val_Fault 18 SINT
Pump 105 Motor (PowerFlex 525 drive) Device Fault Status 0=None, 16=Fail to Start, 17 = Fail to Stop, 18=Drive Fault, 32=I/O Fault, 34=Config Error

SC105.Val_Mode 9 SINT
Pump 105 Motor (PowerFlex 525 drive)

SC105.Val_Owner 0 DINT
Pump 105 Motor (PowerFlex 525 drive) Current Object Owner ID (0=not owned)

SC105.Val_Notify 0 SINT
Pump 105 Motor (PowerFlex 525 drive) Current Alarm Level and Acknowledgement (enumeration)

SC105.Sts_Stopped 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive requested to stop and is confirmed stopped

SC105.Sts_Starting 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive requested to run and awaiting run feedback

SC105.Sts_Running 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive requested to run and is confirmed running

SC105.Sts_Stopping 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive requested to stop and awaiting stopped feedback

SC105.Sts_Jogging 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive requested to Jog

SC105 (Continued)

SC105.Sts_CommandDir 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive commanded to Forward, 0=Reverse

SC105.Sts_ActualDir 1 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive Actual direction is Forward, 0=Reverse

SC105.Sts_Accel 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive is Accelerating

SC105.Sts_Decel 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive is Decelerating

SC105.Sts_NotReady 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Device Not Ready, see detail bits for reason

SC105.Sts_AtSpeed 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive is running at reference speed

SC105.Sts_SpeedLimited 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Speed Reference Setting exceeds configured Max/Min limit

SC105.Sts_DigIn1 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) Drive Digital Input 1 Status

SC105.Sts_DigIn2 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) Drive Digital Input 2 Status

SC105.Sts_DigIn3 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) Drive Digital Input 3 Status

SC105.Sts_DigIn4 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) Drive Digital Input 4 Status

SC105.Sts_Available 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive available for control by automation (Prog)

SC105.Sts_Bypass 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Bypassable Interlocks and Permissives are Bypassed

SC105.Sts_BypActive 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Bypassing Active (Bypassed or Maintenance)

SC105.Sts_Disabled 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive is Disabled

SC105.Sts_NotRdy 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Motor is Not Ready to Run (independent of Mode)

SC105.Nrdy_Disabled 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Device Not Ready: Device Disabled by Maintenance

SC105.Nrdy_CfgErr 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Device Not Ready: Configuration Error

SC105.Nrdy_Intlk 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Device Not Ready: Interlock Not OK

SC105.Nrdy_Perm 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Device Not Ready: Permissive Not OK

SC105.Nrdy_OperPrio 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Device Not Ready: Operator State 0 Priority Command Requires Reset

SC105.Nrdy_Fail 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Device Not Ready: Device Failure (Shed Requires Reset)

SC105.Nrdy_IOFault 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Device Not Ready: I/O Fault (Shed Requires Reset)

SC105.Nrdy_Trip 0 BOOL

SC105 (Continued)
Pump 105 Motor (PowerFlex 525 drive) 1=Device not Ready: Deivce Tripped (Drive Fault)
SC105.Nrdy_DriveNR 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Device Note Ready: Drive Not Ready
SC105.Nrdy_NoMode 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Device Not Ready: Device Logic Disabled / NO Mode
SC105.Sts_MaintByp 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=A Maintenance Bypass is Active, display icon
SC105.Sts_AlmInh 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=An Alarm is Shelved, Disabled or Suppressed, display icon
SC105.Sts_Err 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: see detail bits for reason
SC105.Err_Timer 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: Invalid Check or Reset Pulse Time (use 0 to 2147483)
SC105.Err_Sim 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: simulation timer preset: use 0 to 2147483)
SC105.Err_Alarm 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: Alarm Min On Time, Shelf Time, Severity
SC105.Err_FdbkRaw 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Erron in Config: Speed Fdbk Raw Min = Max
SC105.Err_FdbkEU 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: Speed Fdbk EU Min = Max
SC105.Err_RefLim 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: Speed Ref Limit Min > Max
SC105.Err_RefEU 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: Speed Ref EU Min = Max
SC105.Err_RefRaw 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: Speed Ref Raw Min = Max
SC105.Sts_Hand 0 BOOL
Pump 105 Motor (PowerFlex 525 drive)
SC105.Sts_Maint 0 BOOL
Pump 105 Motor (PowerFlex 525 drive)
SC105.Sts_Ovrd 0 BOOL
Pump 105 Motor (PowerFlex 525 drive)
SC105.Sts_Prog 0 BOOL
Pump 105 Motor (PowerFlex 525 drive)
SC105.Sts_Oper 0 BOOL
Pump 105 Motor (PowerFlex 525 drive)
SC105.Sts_ProgOperLock 0 BOOL
Pump 105 Motor (PowerFlex 525 drive)
SC105.Sts_NoMode 0 BOOL
Pump 105 Motor (PowerFlex 525 drive)
SC105.Sts_MAcqRcvd 0 BOOL
Pump 105 Motor (PowerFlex 525 drive)
SC105.Sts_FailToStart 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive Failed to Start (One-Shot)
SC105.Alm_FailToStart 0 BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive Fail to Start Alarm

SC105 (Continued)

SC105.Ack_FailToStart	1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Fail to Start Alarm has been acknowledged		
SC105.Sts_FailToStartDisabled	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Fail to Start Alarm has been Disabled by Maintenance		
SC105.Sts_FailToStartShelved	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Fail to Start Alarm has been Shelved by Operator		
SC105.Sts_FailToStartSuppressed	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Fail to Start Alarm has been Suppressed by Program		
SC105.Sts_FailToStop	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive Failed to Stop		
SC105.Alm_FailToStop	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive Fail to Stop Alarm		
SC105.Ack_FailToStop	1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Fail to Stop Alarm has been acknowledged		
SC105.Sts_FailToStopDisabled	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Fail to Stop Alarm has been Disabled by Maintenance		
SC105.Sts_FailToStopShelved	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Fail to Stop Alarm has been Shelved by Operator		
SC105.Sts_FailToStopSuppressed	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Fail to Stop Alarm has been Suppressed by Program		
SC105.Sts_IntlkTrip	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive was stopped by an Interlock NOT OK (One-Shot)		
SC105.Alm_IntlkTrip	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Alarm: Drive stopped by an Interlock NOT OK		
SC105.Ack_IntlkTrip	1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Interlock Trip Alarm has been acknowledged		
SC105.Sts_IntlkTripDisabled	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Interlock Trip Alarm has been Disabled by Maintenance		
SC105.Sts_IntlkTripShelved	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Interlock Trip Alarm has been Shelved by Operator		
SC105.Sts_IntlkTripSuppressed	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Interlock Trip Alarm has been Suppressed by Program		
SC105.Sts_DriveFault	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive Fault (see drive display or manual)		
SC105.Alm_DriveFault	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Alarm: Drive Fault (see drive display or manual)		
SC105.Ack_DriveFault	1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive Fault Alarm has been acknowledged		
SC105.Sts_DriveFaultDisabled	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive Fault Alarm has been Disabled by Maintenance		
SC105.Sts_DriveFaultShelved	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive Fault Alarm has been Shelved by Operator		
SC105.Sts_DriveFaultSuppressed	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive Fault Alarm has been Suppressed by Program		
SC105.Sts_IOFault	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) I/O Comm Fault Status (0=OK, 1=Bad)		
SC105.Alm_IOFault	0	BOOL

SC105 (Continued)
Pump 105 Motor (PowerFlex 525 drive) 1=I/O Fault Alarm

SC105.Ack_IOFault	1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=I/O Fault Alarm has been acknowledged		
SC105.Sts_IOFaultDisabled	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=I/O Fault Alarm has been Disabled by Maintenance		
SC105.Sts_IOFaultShelved	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=I/O Fault Alarm has been Shelved by Operator		
SC105.Sts_IOFaultSuppressed	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=I/O Fault Alarm has been Suppressed by Program		
SC105.Rdy_Start	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Ready to receive OCmd_Start (enables HMI button)		
SC105.Rdy_Stop	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Ready to receive OCmd_Stop (enables HMI button)		
SC105.Rdy_Jog	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Ready to receive OCmd_Jog (enables HMI button)		
SC105.Rdy_Fwd	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Ready to receive OCmd_Fwd (enabled HMI button)		
SC105.Rdy_Rev	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Ready to receive OCmd_Rev (enables HMI button)		
SC105.Rdy_Bypass	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Ready to receive OCmd_Bypass (enables HMI button)		
SC105.Rdy_Check	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Ready to receive OCmd_Check (enables HMI button)		
SC105.Rdy_Disable	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Ready to receive MCmd_Disable (enables HMI button)		
SC105.Rdy_Enable	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Ready to receive MCmd_Enable (enables HMI button)		
SC105.Rdy_Reset	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Ready to receive OCmd_Reset (enables HMI button)		
SC105.Rdy_ResetAckAll	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=At least one Alarm or latched Shed condition requires Reset or Ack		
SC105.Rdy_SpeedRef	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Ready to receive OSet_SpeedRef (enables data entry field)		
SC105.P_PF52x	0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Unique Parameter Name for auto - discovery		

so_AcceptMSG00		MESSAGE	AdvManLab
External Access:	Read/Write		
*so_AcceptMSG00 - MainProgram/Unused_Socket_Test - *3(MSG)*			
so_AcceptResponse		AcceptResponse	AdvManLab
Constant	No		
External Access:	Read/Write		
*so_AcceptResponse - MainProgram/Unused_Socket_Test - *3(MSG)*			
so_CreateInstance	0	DINT	AdvManLab
Constant	No		

so_CreateInstance (Continued)
External Access: Read/Write
*so_CreateInstance - MainProgram/Unused_Socket_Test - *0(MSG), 1(MOV)*

so_CreateMSG00 MESSAGE AdvManLab
External Access: Read/Write
*so_CreateMSG00 - MainProgram/Unused_Socket_Test - *0(MSG)*

so_CreateParams AcceptResponse AdvManLab
Constant No
External Access: Read/Write
so_CreateParams - MainProgram/Unused_Socket_Test - 0(MSG)
so_CreateParams.Instance 0 DINT
*so_CreateParams.Instance - MainProgram/Unused_Socket_Test - *1(MOV)*

so_OpenMSG00 MESSAGE AdvManLab
External Access: Read/Write
*so_OpenMSG00 - MainProgram/Unused_Socket_Test - *2(MSG)*

so_OpenParams OpenConnParams AdvManLab
Constant No
External Access: Read/Write
so_OpenParams - MainProgram/Unused_Socket_Test - 2(MSG)
so_OpenParams.Timeout 10000 DINT
so_OpenParams.Timeout - MainProgram/Unused_Socket_Test - 3(MSG)

Test_ZZ_Good 0 BOOL AdvManLab
Constant No
External Access: Read/Write
*Test_ZZ_Good - MainProgram/Camera_1_Pipeline_ZZ - *3(OTE)*

Timer_RFID1 TIMER AdvManLab
Constant No
External Access: Read/Write
*Timer_RFID1 - MainProgram/RFID_HMI - *2(TON)*
Timer_RFID1.DN 0 BOOL
Timer_RFID1.DN - MainProgram/RFID_HMI - 4(XIC), 5(XIC)

Timer_RFID3 TIMER AdvManLab
Constant No
External Access: Read/Write
*Timer_RFID3 - MainProgram/RFID_HMI - *8(TON)*
Timer_RFID3.DN 0 BOOL
Timer_RFID3.DN - MainProgram/RFID_HMI - 10(XIC), 11(XIC)

Timer_RFID5 TIMER AdvManLab
Constant No
External Access: Read/Write

Timer_RFID5 (Continued)
*Timer_RFID5 - MainProgram/RFID_HMI - *14(TON)*

Timer_RFID5.DN	0	BOOL	
Timer_RFID5.DN - MainProgram/RFID_HMI - 16(XIC), 17(XIC)			

ToCNC1		CNC_Datablock	AdvManLab
Data To CNC1			
Maximum Consumers:	4		
Include Connection Status:	n/a		
Send Data State Change Event to Consumer(s):	No		
Allow Unicast Consumer Connections:	No		
Minimum RPI:	0.200 ms		
Maximum RPI:	536870.900 ms		
Constant	No		
External Access:	Read/Write		
ToCNC1.Bools	0	DINT	
Data To CNC1 32 user defined bools to be used as needed for interlocks			
ToCNC1.Bools.0	0	BOOL	
Part Drop Request Cell (Robot) wants to load a part into the CNC			
*ToCNC1.Bools.0 - MainProgram/CNC1 - *1(OTE)*			
ToCNC1.Bools.1	0	BOOL	
Robot is clear of CNC - Drop or Pick is complete			
*ToCNC1.Bools.1 - MainProgram/CNC1 - *4(OTE)*			
ToCNC1.UserDef01	4	DINT	
G-Code Program Number for CNC to run TO CNC			
*ToCNC1.UserDef01 - MainProgram/CNC1 - *5(MOV)*			
ToCNC1.UserDef02	0	DINT	
Data To CNC1 User defined Dint 2			
ToCNC1.UserDef03	0	DINT	
Data To CNC1 User defined Dint 3			
ToCNC1.UserDef04	0	DINT	
Data To CNC1 User defined Dint 4			
ToCNC1.UserDef05	0	DINT	
Data To CNC1 User defined Dint 5			

ToCNC2		CNC_Datablock	AdvManLab
Data To CNC2			
Maximum Consumers:	4		
Include Connection Status:	n/a		
Send Data State Change Event to Consumer(s):	No		
Allow Unicast Consumer Connections:	No		
Minimum RPI:	0.200 ms		
Maximum RPI:	536870.900 ms		
Constant	No		
External Access:	Read/Write		
ToCNC2.Bools	0	DINT	
Data To CNC2 32 user defined bools to be used as needed for interlocks			
ToCNC2.Bools.0	0	BOOL	

ToCNC2 (Continued)
Part Drop Request Cell (Robot) wants to load a part into the CNC
*ToCNC2.Bools.0 - MainProgram/CNC2 - *1(OTE)*

ToCNC2.Bools.1	0	BOOL
Robot is clear of CNC - Drop or Pick is complete		
*ToCNC2.Bools.1 - MainProgram/CNC2 - *4(OTE)*		
ToCNC2.UserDef01	2	DINT
G-Code Program Number for CNC to run TO CNC		
*ToCNC2.UserDef01 - MainProgram/CNC2 - *5(MOV)*		
ToCNC2.UserDef02	0	DINT
Data To CNC2 User defined Dint 2		
ToCNC2.UserDef03	0	DINT
Data To CNC2 User defined Dint 3		
ToCNC2.UserDef04	0	DINT
Data To CNC2 User defined Dint 4		
ToCNC2.UserDef05	0	DINT
Data To CNC2 User defined Dint 5		

ToCNC3		CNC_Datablock	AdvManLab
Data To CNC3			
Maximum Consumers:	4		
Include Connection Status:	n/a		
Send Data State Change Event to Consumer(s):	No		
Allow Unicast Consumer Connections:	No		
Minimum RPI:	0.200 ms		
Maximum RPI:	536870.900 ms		
Constant	No		
External Access:	Read/Write		
ToCNC3.Bools	0	DINT	
Data To CNC3 32 user defined bools to be used as needed for interlocks			
ToCNC3.Bools.0	0	BOOL	
Part Drop Request Cell (Robot) wants to load a part into the CNC			
*ToCNC3.Bools.0 - MainProgram/CNC3 - *1(OTE)*			
ToCNC3.Bools.1	0	BOOL	
Robot is clear of CNC - Drop or Pick is complete			
*ToCNC3.Bools.1 - MainProgram/CNC3 - *5(OTE)*			
ToCNC3.UserDef01	3	DINT	
G-Code Program Number for CNC to run TO CNC			
*ToCNC3.UserDef01 - MainProgram/CNC3 - *6(MOV)*			
ToCNC3.UserDef02	0	DINT	
Data To CNC3 User defined Dint 2			
ToCNC3.UserDef03	0	DINT	
Data To CNC3 User defined Dint 3			
ToCNC3.UserDef04	0	DINT	
Data To CNC3 User defined Dint 4			
ToCNC3.UserDef05	0	DINT	
Data To CNC3 User defined Dint 5			

ToCNC4 CNC_Datablock AdvManLab
Data To CNC4
Maximum Consumers: 4
Include Connection Status: n/a
Send Data State Change Event to Consumer(s): No
Allow Unicast Consumer Connections: No
Minimum RPI: 0.200 ms
Maximum RPI: 536870.900 ms
Constant No
External Access: Read/Write

ToCNC4.Bools 0 DINT
Data To CNC4 32 user defined bools to be used as needed for interlocks

ToCNC4.Bools.0 0 BOOL
Part Drop Request Cell (Robot) wants to load a part into the CNC
*ToCNC4.Bools.0 - MainProgram/CNC4 - *1(OTE)*

ToCNC4.Bools.1 0 BOOL
Robot is clear of CNC - Drop or Pick is complete
*ToCNC4.Bools.1 - MainProgram/CNC4 - *4(OTE)*

ToCNC4.UserDef01 14 DINT
G-Code Program Number for CNC to run TO CNC
*ToCNC4.UserDef01 - MainProgram/CNC4 - *5(MOV)*

ToCNC4.UserDef02 0 DINT
Data To CNC4 User defined Dint 2

ToCNC4.UserDef03 0 DINT
Data To CNC4 User defined Dint 3

ToCNC4.UserDef04 0 DINT
Data To CNC4 User defined Dint 4

ToCNC4.UserDef05 0 DINT
Data To CNC4 User defined Dint 5

Unused_S_In 0 BOOL AdvManLab
Tag to indicate bit is unused in I/O mapping
Constant No
External Access: Read/Write
*Unused_S_In - SafetyProgram /Map_Inputs - *1(OTE), *10(OTE), *11(OTE), *14(OTE), *15(OTE), *17(OTE), *3(OTE), *5(OTE), *6(OTE), *8(OTE)*

Unused_S_Out 0 BOOL AdvManLab
Unused Safety Output - Replace as needed
Constant No
External Access: Read/Write
*Unused_S_Out - SafetyProgram /Map_Outputs - *0(OTU), 2(XIC)*

ValvesOff 0 SINT AdvManLab
Constant No
External Access: Read/Write
ValvesOff - SafetyProgram /ValveManifold - 2(COP)

VFDFanucLoop_I P_PF52x_Inp AdvManLab

VFDFanucLoop_I (Continued)
PF523 and PF525 Input Assembly
Constant No
External Access: Read/Write
*VFDFanucLoop_I - MainProgram/Unused_PF52x - *0(COP), *0(P_PF52x)*

VFDFanucLoop_I.DriveStatus	2#0000_0110_1000_1100	INT
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.DriveStatus_Ready	0	BOOL
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.DriveStatus_Active	0	BOOL
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.DriveStatus_CommandDir	1	BOOL
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.DriveStatus_ActualDir	1	BOOL
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.DriveStatus_Accelerating	0	BOOL
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.DriveStatus_Decelerating	0	BOOL
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.DriveStatus_Faulted	1	BOOL
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.DriveStatus_AtReference	0	BOOL
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.DriveStatus_CommFreqCnt	1	BOOL
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.DriveStatus_CommLogicCnt	1	BOOL
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.DriveStatus_ParmsLocked	0	BOOL
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.DriveStatus_DigIn1Active	0	BOOL
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.DriveStatus_DigIn2Active	0	BOOL
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.DriveStatus_DigIn3Active	0	BOOL
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.DriveStatus_DigIn4Active	0	BOOL
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.OutputFreq	0	INT
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.Fault1Code	0	INT
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.OutputCurrent	0	INT
PF523 and PF525 Input Assembly		
VFDFanucLoop_I.OutputPower	2400	INT
PF523 and PF525 Input Assembly		

VFDFanucLoop_O		P_PF52x_Out	AdvManLab
PF523 and PF525 Output Assembly			
Constant	No		
External Access:	Read/Write		
*VFDFanucLoop_O - MainProgram/Unused_PF52x - *0(P_PF52x)*			
VFDFanucLoop_O.LogicCommand	2#0000_0000_0000_0000	INT	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand - MainProgram/Unused_PF52x - 0(MVM)			
VFDFanucLoop_O.LogicCommand_Stop	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_Start	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_Jog	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_ClearFaults	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_Forward	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_Reverse	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_ForceKeypadCtrl	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_MOPIncrement	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_AccelTime1	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_AccelTime2	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_DecelTime1	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_DecelTime2	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_SpdRefSel0	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_SpdRefSel1	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_SpdRefSel2	0	BOOL	
PF523 and PF525 Output Assembly			

VFDFanucLoop_O (Continued)

VFDFanucLoop_O.LogicCommand_MOPDecrement		
	0	BOOL
PF523 and PF525 Output Assembly		
VFDFanucLoop_O.FreqCommand	0	INT
PF523 and PF525 Output Assembly		
VFDFanucLoop_O.FreqCommand - MainProgram/Unused_PF52x - 0(MOV)		