AdvManLab (	Controller
-------------	------------

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			
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	n 🗐/Cell 3 VFD - 0(XIC)		
ABB_Loop_Conv_Safety_OK - SafetyProgram	n 🗐/EStopsAndGates - *22(OTE)		
<b>■</b> ABB_Loop_Speed	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
ABB_Loop_Speed - MainProgram/HMI - *1(	DIV)		
<b>_</b> ABBLoopPullCordES		EMERGENCY STOP	AdvManLab
EStop / Cable On ABB Loop			
Constant	No		
External Access:	Read/Write		
ABBLoopPullCordES - SafetyProgram 🗐/ES	topsAndGates - *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		Pool	
ABBLoopPullCordES.ChannelB	1	BOOL	
EStop / Cable On ABB Loop	0	DOOL	
ABBLoopPullCordES.CircuitReset	0	BOOL	
EStop / Cable On ABB Loop  ABBLoopPullCordES.FaultReset	0	BOOL	
EStop / Cable On ABB Loop	U	BOOL	
ABBLoopPullCordES.EnableOut	1	BOOL	
EStop / Cable On ABB Loop	1	BOOL	
ABBLoopPullCordES.O1	1	BOOL	
EStop / Cable On ABB Loop	-	- · · -	
ABBLoopPullCordES.O1 - SafetyProgram 📮	VEStopsAndGates - 22(XIC), 24(XIC)		

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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		
	Read/Write		
ABBLoopSTO O1 - SafetyProgram 🗐/Cell 3			
ABBLoopSTO_O1 - SafetyProgram 🗐/Map_C			
ABBLoopSTO_O2	1	BOOL	AdvManLab
Constant	No	2002	
	Read/Write		
ABBLoopSTO O2 - SafetyProgram //Cell 3			
ABBLoopSTO_O2 - SafetyProgram 🗐/Map_C			
■ ABBLoopVFD		PF525_Faceplate_AOI	AdvManLab
PF525 Drive FTView ME Faceplate AOI			
	No		
	Read/Write		
ABBLoopVFD - MainProgram/Cell 3 VFD -	*0(PF525 Faceplate AOI)		
ABBLoopVFD.EnableIn	1	BOOL	
PF525 Drive FTView ME Faceplate AOI Enab	ole Input - System Defined Paramete	er	
ABBLoopVFD.EnableOut	1	BOOL	
PF525 Drive FTView ME Faceplate AOI Enab	ole Output - System Defined Paramo		
ABBLoopVFD.Inp_NumRowsVis	9	DINT	
PF525 Drive FTView ME Faceplate AOI			
	0	INT	
PF525 Drive FTView ME Faceplate AOI		D. 0.7	
ABBLoopVFD.Sts_ProgramModeEnabled	I	BOOL	
PF525 Drive FTView ME Faceplate AOI	0	DOOL	
	0	BOOL	
PF525 Drive FTView ME Faceplate AOI	1	DOOL	
ABBLoopVFD.Sts_DriveStatus_Faulted	1	BOOL	
PF525 Drive FTView ME Faceplate AOI	0	DOOI	
ABBLoopVFD.Sts_DriveStatus_Active PF525 Drive FTView ME Faceplate AOI	0	BOOL	
1	0	BOOL	
PF525 Drive FTView ME Faceplate AOI	V	DOOL	
1	0	BOOL	
PF525 Drive FTView ME Faceplate AOI	V		
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		5005
ABBLoopVFD.Sts_DriveStatus_ActualDir	1	BOOL
PF525 Drive FTView ME Faceplate AOI	2	DIMT
ABBLoopVFD.Sts_DeviceState	2	DINT
PF525 Drive FTView ME Faceplate AOI	0.0	REAL
ABBLoopVFD.Sts_Value1 PF525 Drive FTView ME Faceplate AOI	0.0	KEAL
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	(0	DIMT
ABBLoopVFD.Set_Value1Max	60	DINT
PF525 Drive FTView ME Faceplate AOI	0	DINT
ABBLoopVFD.Set_Value2Min PF525 Drive FTView ME Faceplate AOI	U	DINI
ABBLoopVFD.Set Value2Max	1	DINT
PF525 Drive FTView ME Faceplate AOI	•	DIIVI
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	0	DIMT
ABBLoopVFD.Val_SpdFdbk_Units	0	DINT
PF525 Drive FTView ME Faceplate AOI ABBLoopVFD.Val Fault1Code	52059	DINT
PF525 Drive FTView ME Faceplate AOI	32037	DINI
ABBLoopVFD.Cmd_OperOperReq	0	BOOL
PF525 Drive FTView ME Faceplate AOI	v	BOOL
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		DOG:
ABBLoopVFD.Cmd_StartOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		

ABBLoopVFD (Continued)		
ABBLoopVFD.Cmd StartProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI	V	DOOL
ABBLoopVFD.Cmd StopOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI	v	DOOL
ABBLoopVFD.Cmd StopProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI	v	DOOL
ABBLoopVFD.Cmd ResetOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI	v	DOOL
ABBLoopVFD.Cmd_ResetOper - MainProgra	am/Cell 3 VFD - 6(XIC)	
ABBLoopVFD.Cmd ResetProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI	·	
ABBLoopVFD.Cmd ResetProg - MainProgre	am/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		DOOL
ABBLoopVFD.Cmd_ProgToOperPermissive	1	BOOL
PF525 Drive FTView ME Faceplate AOI	0	DIT
ABBLoopVFD.Set_SpeedOper	0	INT
PF525 Drive FTView ME Faceplate AOI	0	DOOL
ABBLoopVFD.Cmd_MOPIncProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI	0	BOOL
ABBLoopVFD.Cmd_MOPIncOper PF525 Drive FTView ME Faceplate AOI	0	BOOL
*	0	BOOL
ABBLoopVFD.Cmd_Accel1Oper PF525 Drive FTView ME Faceplate AOI	U	BOOL
ABBLoopVFD.Cmd Accel2Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI	V	DOOL
ABBLoopVFD.Cmd Decel1Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI	V	DOOL
ABBLoopVFD.Cmd Decel2Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI	-	2001
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
- <del>-</del> -		

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	0	DOOL
ABBLoopVFD.Cmd_MOPDecOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI	0.0	REAL
ABBLoopVFD.Set_AccelProg PF525 Drive FTView ME Faceplate AOI	0.0	KEAL
ABBLoopVFD.Set DecelProg	0.0	REAL
PF525 Drive FTView ME Faceplate AOI	0.0	TCE/TE
ABBLoopVFD.Set CommFaultTimerPresetF	Prog	
	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		D.O. 0.
ABBLoopVFD.Cmd_FreqSel01Prog	0	BOOL
PF525 Drive FTView ME Faceplate AOI	0	DOOL
ABBLoopVFD.Cmd_FreqSel01Oper PF525 Drive FTView ME Faceplate AOI	0	BOOL
ABBLoopVFD.Cmd FreqSel02Prog	0	BOOL
PF525 Drive FTView ME Faceplate AOI	V	DOOL
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_CommFaultTimerPresetC		DDIT
DE525 Drive ETView ME Ecceptete AOI	0	DINT
PF525 Drive FTView ME Faceplate AOI  ABBLoopVFD.Set DecelOper	0.0	REAL
PF525 Drive FTView ME Faceplate AOI	0.0	KEAL
ABBLoopVFD.Set AccelOper	0.0	REAL
PF525 Drive FTView ME Faceplate AOI		103112
ABBLoopVFD.Inp FaultCode	0	DINT
PF525 Drive FTView ME Faceplate AOI Fau	ılt Code	
ABBLoopVFD.NotReady_Fault	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
ABBLoopVFD.CLEAR_Fault	0	BOOL
PF525 Drive FTView ME Faceplate AOI		DOGI
ABBLoopVFD.Module_FaultTrigger	0	BOOL
PF525 Drive FTView ME Faceplate AOI		

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ABBLoopVFD (Continued)			
ABBLoopVFD.Module_FaultCode	0	DINT	
PF525 Drive FTView ME Faceplate AOI	v		
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			
ABBLoopVFD.Sts_DriveStatus_CommFault	0	BOOL	
PF525 Drive FTView ME Faceplate AOI			
ABBLoopVFD.Inst_Error	1	BOOL	
PF525 Drive FTView ME Faceplate AOI		D.11.	
ABBLoopVFD.LastFaultCode	59	DINT	
PF525 Drive FTView ME Faceplate AOI	(C. H. A. 1/ED M. / (C.1/)		
ABBLoopVFD.LastFaultCode - MainProgram	= = ' /	D.M.	
ABBLoopVFD.SpdRef_Units	30	INT	
PF525 Drive FTView ME Faceplate AOI	1.0	DEAL	
ABBLoopVFD.SpdScaler60Hz	1.0	REAL	
PF525 Drive FTView ME Faceplate AOI	1.0	DEAL	
ABBLoopVFD.GearRatio	1.0	REAL	
PF525 Drive FTView ME Faceplate AOI ABBLoopVFD.Out SpdRef Units	30	DINT	
PF525 Drive FTView ME Faceplate AOI	30	DINI	
ABBLoopVFD.Val OutputFreq	0.0	REAL	
PF525 Drive FTView ME Faceplate AOI	0.0	KLAL	
ABBLoopVFD.Val OutputCurrent	0.0	REAL	
PF525 Drive FTView ME Faceplate AOI	0.0		
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 - MainProg	gram/Cell_3_VFD - 5(XIC)		
d			
ABBLoopVFD_N046:I	N	AB:PowerFlex525V_E_8A02D441:I:0	AdvManLab
Constant	No		
External Access:	Read/Write		
ABBLoopVFD_N046:I - MainProgram/Cell_	5_VFD - *U(PF323_Faceplate_AOI)		

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No	5	114,1.14111140
101	SINT	AdvManLab
ram/Control_Valve - *15(OTE)		
0	BOOL	
ram/Control Valve - *14(OTE)	BOOL	
1 (O1E)	BOOL	
vram/Control Valve - *13(OTF)	DUUL	
ram/Control_vative - `12(O1E)	ROOI	
1  ream/Control Valve *12(OTE)	BUUL	
ram/Control_Valve - *II(OIE)	DOOL	
· · · · · · · · · · · · · · · · · · ·	ROOL	
	DOOL	
1	BOOL	
ram/Control_Valve - *9(OTE)	D. 0.7	
0	BOOL	
ram/Control_Valve - *8(OTE)		
1	BOOL	
Read/Write		
No		
85	SINT	AdvManLab
Program 🗐/ValveManifold - 1(COP)		
	DIIVI	1 IQ VIVIUII LUU
101	SINT	AdvManLab
Program <b>"</b> ValveManifold - 1(COP)		
85	SINT	AdvManLab
sed_Vernnaliz - *3(OTE)		
Read/Write		
No		
0	BOOL	AdvManLab
tinProgram/Cell_3_VFD - *0(PF525_Faceplate_AOI)		
Read/Write		
No		
	AB:PowerFlex525V_E_5483BAFD:O:0	AdvManLab
uu 164 - Muni 1081um/11M1 - 1(DIV)		
	11/1	
tEroa 0	INT	
nued)		
	Read/Write inProgram/Cell_3_VFD - *0(PF525_Faceplate_AOI)  0 No Read/Write sed_Vernnaliz - *3(OTE)  85 No Auto_Valves01 Read/Write Program \( \begin{array}{l} ValveManifold - 1(COP) \\ 101 No Auto_Valves02 Read/Write Program \( \begin{array}{l} ValveManifold - 1(COP) \\ 85 No Read/Write 1 ram/Control_Valve - *8(OTE) 0 ram/Control_Valve - *9(OTE) 1 ram/Control_Valve - *10(OTE) 0 ram/Control_Valve - *11(OTE) 1 ram/Control_Valve - *12(OTE) 0 ram/Control_Valve - *13(OTE) 1 ram/Control_Valve - *14(OTE) 0 ram/Control_Valve - *15(OTE) 1 ram/Control_Valve - *15(OTE) 1 101	### AB:PowerFlex525V_E_5483BAFD:0:0    No

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Auto_Valves02 (Continued)	D 1/11/2		
External Access: Auto Valves02.0	Read/Write	BOOL	
Auto_valves02.0 - MainProgram/C	Control Valve - *16(OTE)	BOOL	
Auto Valves02.1	0	BOOL	
	Control_Valve - *17(OTE)		
Auto_Valves02.2	1	BOOL	
Auto_Valves02.2 - MainProgram/C	Control_Valve - *18(OTE)	POOL	
Auto_Valves02.3	() C	BOOL	
Auto_Valves02.3 - MainProgram/C Auto Valves02.4	Ontroi_valve - "19(O1E) 0	BOOL	
Auto_valves02.4  Auto_Valves02.4 - MainProgram/C	ů .	BOOL	
Auto Valves02.5	1	BOOL	
Auto Valves02.5 - MainProgram/C	Control Valve - *21(OTE)	2002	
Auto_Valves02.6	1	BOOL	
Auto_Valves02.6 - MainProgram/C	Control_Valve - *22(OTE)		
Auto_Valves02.7	0	BOOL	
Auto_Valves02.7 - MainProgram/C	Control_Valve - *23(OTE)		
AutoDelay		TIMER	AdvManLab
Constant	No	THVIER	AdvivianLab
External Access:	Read/Write		
AutoDelay - MainProgram/Mode Z			
AutoDelay.DN	0	BOOL	
AutoDelay.DN - MainProgram/Mo	de_ZZ - 4(XIC)		
A - 4 - D C4 4		TIMED	A 1. M 1.
AutoProgStart Constant	No	TIMER	AdvManLab
External Access:	Read/Write		
AutoProgStart - MainProgram/Syst			
AutoProgStart.TT	0	BOOL	
AutoProgStart.TT - MainProgram/s	System - 4(XIC)		
a			
BobsBits	65888	DINT	AdvManLab
Constant	No Read/Write		
External Access: BobsBits.0	0	BOOL	
Test bit to trigger part to CNC3	O .	BOOL	
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)	DOOL	
BobsBits.16 BobsBits.16 - MainProgram/Cell	1 1. 77 *14(OTL)	BOOL	
Boosbus.10 - MainFrogram/Cell_l	1_LL - 14(U1L)		
-¶ C1 N011:1:I		AB:1734_IB8S_Safety5:I:0	AdvManLab
<del>-</del> - <u>-</u>			

	1_N011:1:I (Continued)			
	Constant	No		
	External Access:	Read/Write		
	1_N011:1:I.ConnectionFaulted	1 _	BOOL	
	C1_N011:1:I.ConnectionFaulted - SafetyProg	ram 🗐/Map_Inputs - 3(XIO)		
	1_N011:1:I.Pt00Data	0	BOOL	
	C1_N011:1:1.Pt00Data - SafetyProgram 🗐/M	Iap_Inputs - 3(XIC)		
	1_N011:1:I.Pt01Data	0	BOOL	
	C1_N011:1:I.Pt01Data - SafetyProgram 🗐/M	Iap_Inputs - 3(XIC)		
	1_N011:1:I.Pt02Data	0	BOOL	
	C1_N011:1:1.Pt02Data - SafetyProgram 🗐/M	Iap_Inputs - 3(XIC)		
	1_N011:1:I.Pt03Data	0	BOOL	
	C1_N011:1:1.Pt03Data - SafetyProgram // M	Iap_Inputs - 3(XIC)		
	1_N011:1:I.Pt04Data	0	BOOL	
	C1_N011:1:I.Pt04Data - SafetyProgram ♣\/M	lap_Inputs - 3(XIC)	2007	
	1_N011:1:I.Pt05Data	0	BOOL	
	C1_N011:1:I.Pt05Data - SafetyProgram 🗐/M	lap_Inputs - 3(XIC)	DOOL	
	1_N011:1:I.Pt06Data	U 4	BOOL	
	C1_N011:1:1.Pt06Data - SafetyProgram	tap_Inputs - 3(XIC)	BOOL	
	<b>1_N011:1:I.Pt07Data</b> C1_N011:1:I.Pt07Data - SafetyProgram <b>⊑</b> VM	U Ian Junuta 2/VIC	BOOL	
	C1_N011:1:1.Pi0/Daia - SajetyProgram	tap_inputs - 5(xiC)		
f C1	1_N011:2:I		AB:1734 IB8S Safety5:I:0	AdvManLab
	Constant	No	AD.1754_ID65_Sulcty5.1.0	Advividing
	External Access:	Read/Write		
C1	1 N011:2:I.ConnectionFaulted	1	BOOL	
	C1 N011:2:I.ConnectionFaulted - SafetyProg	ram  Man Inputs - 4(XIO)	2002	
	N011:2:I.Pt00Data	0	BOOL	
	C1 N011:2:I.Pt00Data - SafetyProgram // M	lap Inputs - 4(XIC)		
	1 N011:2:I.Pt01Data	0	BOOL	
	C1 N011:2:I.Pt01Data - SafetyProgram 4/M	Iap Inputs - 4(XIC)		
C1	1_N011:2:I.Pt02Data	0	BOOL	
	C1_N011:2:I.Pt02Data - SafetyProgram 🗐/M	Ian Innuts A(VIC)		
C1		tap_Inpuis - 4(ΛIC)		
	1_N011:2:I.Pt03Data	0	BOOL	
	C1_N011:2:I.Pt03Data - SafetyProgram 4/M	0		
C1	_C1_N011:2:I.Pt03Data - SafetyProgram ∰M 1_ <b>N011:2:I.Pt04Data</b>	0 — Inputs - 4(XIC) 0	BOOL BOOL	
C1	C1_N011:2:I.Pt03Data - SafetyProgram <b>=</b> ¶M <b>1_N011:2:I.Pt04Data</b> _C1_N011:2:I.Pt04Data - SafetyProgram <b>=</b> ¶M	0 — Inputs - 4(XIC) 0	BOOL	
C1	C1_N011:2:I.Pt03Data - SafetyProgram <b>□</b> JM 1_ <b>N011:2:I.Pt04Data</b> C1_N011:2:I.Pt04Data - SafetyProgram □JM 1_N <b>011:2:I.Pt05Data</b>	0  dap_Inputs - 4(XIC) 0  dap_Inputs - 4(XIC) 0		
C1		0  dap_Inputs - 4(XIC) 0  dap_Inputs - 4(XIC) 0	BOOL BOOL	
C1 C1		0 dap_Inputs - 4(XIC) 0 dap_Inputs - 4(XIC) 0 dap_Inputs - 4(XIC) 0 dap_Inputs - 4(XIC) 0	BOOL	
C1 C1 C1		0 dap_Inputs - 4(XIC) 0 dap_Inputs - 4(XIC) 0 dap_Inputs - 4(XIC) 0 dap_Inputs - 4(XIC) 0	BOOL BOOL	
C1 C1 C1 C1		0 dap_Inputs - 4(XIC) 0	BOOL BOOL	
C1 C1 C1 C1		0 dap_Inputs - 4(XIC) 0	BOOL BOOL	
C1 C1 C1	C1_N011:2:I.Pt03Data - SafetyProgram	0 dap_Inputs - 4(XIC) 0	BOOL BOOL BOOL	AdvManI ab
C1 C1 C1	T1_N011:2:I.Pt03Data - SafetyProgram MM 1_N011:2:I.Pt04Data T1_N011:2:I.Pt04Data - SafetyProgram MM 1_N011:2:I.Pt05Data T1_N011:2:I.Pt05Data - SafetyProgram MM 1_N011:2:I.Pt06Data T1_N011:2:I.Pt06Data T1_N011:2:I.Pt07Data - SafetyProgram MM 1_N011:2:I.Pt07Data T1_N011:2:I.Pt07Data - SafetyProgram MM 1_N011:3:I.Pt07Data - SafetyProgram MM 1_N011:3:I	0 Iap_Inputs - 4(XIC)	BOOL BOOL	AdvManLab
C1 C1 C1	Tl_N011:2:I.Pt03Data - SafetyProgram	0 Itap_Inputs - 4(XIC)	BOOL BOOL BOOL	AdvManLab
C1 C1 C1	T1_N011:2:I.Pt03Data - SafetyProgram MM 1_N011:2:I.Pt04Data T1_N011:2:I.Pt04Data - SafetyProgram MM 1_N011:2:I.Pt05Data T1_N011:2:I.Pt05Data - SafetyProgram MM 1_N011:2:I.Pt06Data T1_N011:2:I.Pt06Data T1_N011:2:I.Pt07Data - SafetyProgram MM 1_N011:2:I.Pt07Data T1_N011:2:I.Pt07Data - SafetyProgram MM 1_N011:3:I.Pt07Data - SafetyProgram MM 1_N011:3:I	0 Iap_Inputs - 4(XIC)	BOOL BOOL BOOL	AdvManLab

C1_N011:3:I (Continued)	7(7(0) 0(7(0)	
C1_N011:3:I.ConnectionFaulted - SafetyProgram StopsAndGates - 3		
C1_N011:3:I.ConnectionFaulted - SafetyProgram   Map_Inputs - 5(XIC		
C1_N011:3:I.Pt00Data 0	BOOL	
C1_N011:3:I.Pt00Data - SafetyProgram Map_Inputs - 5(XIO)	DOOL	
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.Pt06Data 0	BOOL	
C1_N011:3:I.Pt07Data 0	BOOL	
C1_N011:3:I.Pt07Data - SafetyProgram 🗐/Map_Inputs - 5(XIC)		
flore areas a r	AD 1524 IDOG G 6 4 5 1 0	
C1_N011:4:I	AB:1734_IB8S_Safety5:I:0	AdvManLab
Constant No		
External Access: Read/Write	D007	
C1 N011-4-1 Connection Faulted		
C1_N011:4:I.ConnectionFaulted 1	BOOL	
	0)	
C1_N011:4:I.ConnectionFaulted - SafetyProgram		
C1_N011:4:I.ConnectionFaulted - SafetyProgram	D) BOOL	
C1_N011:4:I.ConnectionFaulted - SafetyProgram	0)	
C1_N011:4:I.ConnectionFaulted - SafetyProgram  Map_Inputs - 6(XIC C1_N011:4:I.Pt00Data 0	BOOL BOOL	
C1_N011:4:I.ConnectionFaulted - SafetyProgram  Map_Inputs - 6(XIC C1_N011:4:I.Pt00Data	D) BOOL	
C1_N011:4:I.ConnectionFaulted - SafetyProgram  Map_Inputs - 6(XIC C1_N011:4:I.Pt00Data	BOOL BOOL BOOL	
C1_N011:4:I.ConnectionFaulted - SafetyProgram  Map_Inputs - 6(XIC C1_N011:4:I.Pt00Data	BOOL BOOL	
C1_N011:4:I.ConnectionFaulted - SafetyProgram  Map_Inputs - 6(XIC C1_N011:4:I.Pt00Data	BOOL BOOL BOOL BOOL	
C1_N011:4:I.ConnectionFaulted - SafetyProgram	BOOL BOOL BOOL	
C1_N011:4:I.ConnectionFaulted - SafetyProgram Map_Inputs - 6(XIC) C1_N011:4:I.Pt00Data	BOOL BOOL BOOL BOOL BOOL BOOL	
C1_N011:4:I.ConnectionFaulted - SafetyProgram       ■ Map_Inputs - 6(XIC)         C1_N011:4:I.Pt00Data       0         C1_N011:4:I.Pt01Data - SafetyProgram       ■ Map_Inputs - 6(XIC)         C1_N011:4:I.Pt01Data - SafetyProgram       ■ Map_Inputs - 6(XIC)         C1_N011:4:I.Pt02Data       0         C1_N011:4:I.Pt02Data - SafetyProgram       ■ Map_Inputs - 6(XIC)         C1_N011:4:I.Pt03Data       0         C1_N011:4:I.Pt03Data - SafetyProgram       ■ Map_Inputs - 6(XIC)         C1_N011:4:I.Pt04Data       0         C1_N011:4:I.Pt04Data - SafetyProgram       ■ Map_Inputs - 6(XIC)         C1_N011:4:I.Pt04Data - SafetyProgram       ■ Map_Inputs - 6(XIC)         C1_N011:4:I.Pt05Data       0	BOOL BOOL BOOL BOOL	
C1_N011:4:I.ConnectionFaulted - SafetyProgram \[ \begin{align*} \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	BOOL BOOL BOOL BOOL BOOL BOOL BOOL	
C1_N011:4:I.Pt00Data 0 C1_N011:4:I.Pt00Data 0 C1_N011:4:I.Pt00Data - SafetyProgram \[ \begin{array}{cccccccccccccccccccccccccccccccccccc	BOOL BOOL BOOL BOOL BOOL BOOL	
C1_N011:4:I.Pt00Data C1_N011:4:I.Pt00Data C1_N011:4:I.Pt00Data - SafetyProgram  Map_Inputs - 6(XIC) C1_N011:4:I.Pt01Data - SafetyProgram  Map_Inputs - 6(XIC) C1_N011:4:I.Pt01Data - SafetyProgram  Map_Inputs - 6(XIC) C1_N011:4:I.Pt02Data - SafetyProgram  Map_Inputs - 6(XIC) C1_N011:4:I.Pt02Data - SafetyProgram  Map_Inputs - 6(XIC) C1_N011:4:I.Pt03Data - SafetyProgram  Map_Inputs - 6(XIC) C1_N011:4:I.Pt04Data - SafetyProgram  Map_Inputs - 6(XIC) C1_N011:4:I.Pt04Data - SafetyProgram  Map_Inputs - 6(XIC) C1_N011:4:I.Pt05Data	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	
C1_N011:4:I.Pt00Data	BOOL BOOL BOOL BOOL BOOL BOOL BOOL	
C1_N011:4:I.Pt00Data 0 C1_N011:4:I.Pt00Data 0 C1_N011:4:I.Pt00Data - SafetyProgram \[ \] \	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	
C1_N011:4:I.Pt00Data C1_N011:4:I.Pt00Data C1_N011:4:I.Pt00Data - SafetyProgram	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	A dv.M.Gar.L. a.k.
C1_N011:4:I.Pt00Data 0 C1_N011:4:I.Pt00Data 0 C1_N011:4:I.Pt01Data - SafetyProgram	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	AdvManLab
Cl_N011:4:I.Pt00Data 0 Cl_N011:4:I.Pt00Data 0 Cl_N011:4:I.Pt01Data 0 Cl_N011:4:I.Pt01Data 0 Cl_N011:4:I.Pt01Data - SafetyProgram	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	AdvManLab
C1_N011:4:I.ConnectionFaulted - SafetyProgram	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	AdvManLab
Cl_N011:4:I.Pt00Data 0 Cl_N011:4:I.Pt00Data 0 Cl_N011:4:I.Pt01Data 0 Cl_N011:4:I.Pt01Data 0 Cl_N011:4:I.Pt01Data - SafetyProgram	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	AdvManLab

AdvManLab - Controller Tag Listing AdvManLab (Controller)

Constant	<b>_</b> C1 N011:5:O		AB:1734_OB8S:O:0	AdvManLab
External Access:		No	_	
C1_N011-5:0.P400Data				
Cl. NOILS: O.P00Data - SefeyProgram   Map Outputs - 3(OTE)   BOOL			BOOL	
CI_N0II-5:O.PH0IData   SufetyProgram   Map_Outputs *3(OTE)   BOOL	C1 N011:5:O Pt00Data - SafetyProgram	/Man_Outputs - *3(OTE)		
Cl. Noll 1:5:O.P01Data		1	BOOL.	
CI_N011-5:0-Pt02Data   SaletyProgram   Map_Outputs - *3(OTE)   BOOL	C1_N011:5:O. Pt01Data - SafetyProgram	/Man Outputs - *3(OTF)	BOOL	
C1 N011:5:O-P02Data		0	DOOL	
C1_N011-5:0.P103Data   SufetyProgram   Map Outputs = *3(OTF)	C1_NO11.5.O.Dt02Data CafetyDue engage	/Man Outnuts *2/OTE)	BOOL	
C1 N011-5:-0.Pt01Data   SafetyProgram   Map Outputs - *3(OTE)	C1_N011.5.O_Bt02Data - SajetyProgram =	/Map_Outputs - '3(OTE)	DOOL	
C1_N011-51-OP-041-Data		U *2/OTE!\	BOOL	
Cl. N011:5:0.Pto9Data		· · · · · · · · · · · · · · ·	D0.07	
C1 N011:50.Pt05Data   SafetyProgram   Map Outputs * 3(OTE)			BOOL	
Cl N011:5: O.P105Data		/Map_Outputs - *3(OTE)		
C1 N011:5:O.Pt0Data - SafetyProgram			BOOL	
C1 N011:5:O.Pt07Data - SafetyProgram	C1_N011:5:O.Pt05Data - SafetyProgram 📮	/Map_Outputs - *3(OTE)		
C1 N011:5:O.Pt07Data - SafetyProgram Nap_Outputs - *3(OTE)  C1 N011:6:1		0	BOOL	
C1 N011:5:O.Pt07Data - SafetyProgram Nap_Outputs - *3(OTE)  C1 N011:6:1	C1 N011:5:O.Pt06Data - SafetyProgram 🗐	/Map Outputs - *3(OTE)		
CI_N011:5:O.Pt07Data - SafetyProgram   Map_Outputs - *3(OTE)		0	BOOL	
C1_N011:6:1		/Map Outputs - *3(OTE)		
AliasFor:   C.   Nol1:1.Data[6]     Base Tag:   C.   Nol1:1.Data[6]     Constant   No				
AliasFor:   C.   Nol1:1.Data[6]     Base Tag:   C.   Nol1:1.Data[6]     Constant   No	¶ C1 N011:6:I	2#0000_0000	SINT	AdvManLab
Base Tag:   C   No11:1.Data[6]				114,111411240
Constant No External Access: Read/Write CI N011:61:7 0 BOOL  Inside CI RFIDI  PPXI - MainProgram/Cell_1_ZZ - 5(XIO), 8(XIC)  CI N011:1  External Access: Read/Write CI N011:1.Data[6]:7 0 BOOL  PPXI - MainProgram/Cell_1_ZZ - 5(XIO), 8(XIC)  CI N011:1.Data[6]:7 BOOL  CI Robot_ES_OK 1 BOOL  Constant No External Access: Read/Write CI Robot_ES_OK - SafetyProgram MEStopsAndGates - *23(OTE) CI_Robot_ES_OK - SafetyProgram MAD_Outputs - 3(XIC)  CI_Robot_ES_OK - SafetyProgram MAD_Outputs - 3(XIC)  CI_Robot_Gates_OK - SafetyProgram MEStopsAndGates - *23(OTE) CI_Robot_Gates_OK - SafetyProgram Madp_Outputs - 3(XIC)  CIEASRelay_Monitor 0 BOOL AdvManLab				
External Access: Read/Write C1_N011:6:1.7 0		= : :		
C1_N011:6:1.7   0   BOOL     Inside C1 RFID1   PPXI - MainProgram/Cell_1_ZZ - 5(XIO), 8(XIC)     C1_N011:1				
Inside C1 RFID1 PPX1 - MainProgram/Cell_1_ZZ - 5(XIO), 8(XIC)  C1_N011:I External Access: C1_N011:I.Data 6 .7 PPX1 - MainProgram/Cell_1_ZZ - 5(XIO), 8(XIC)  BOOL  C1_Robot_ES_OK			DOOL	
PPXI - MainProgram/Cell 1_ZZ - 5(XIO), 8(XIC)  C1_N011:1D External Access: C1_N011:1Data[6]:7 PPXI - MainProgram/Cell 1_ZZ - 5(XIO), 8(XIC)  BOOL PPXI - MainProgram/Cell 1_ZZ - 5(XIO), 8(XIC)  C1_Robot_ES_OK		U	BOOL	
C1_N011:1 External Access: Read/Write C1_N011:1.Data[6].7 0 BOOL  PPX1 - MainProgram/Cell_1 ZZ - 5(XIO), 8(XIC)  C1_Robot_ES_OK 1 BOOL  External Access: Read/Write Constant No External Access: Read/Write CI_Robot_ES_OK - SafetyProgram SEStopsAndGates - *23(OTE) CI_Robot_ES_OK - SafetyProgram Map_Outputs - 3(XIC)  C1_Robot_Gates_OK 0 BOOL  AdvManLab  Constant No External Access: Read/Write CI_Robot_Gates_OK - SafetyProgram SEStopsAndGates - *23(OTE) CI_Robot_Gates_OK - SafetyProgram Map_Outputs - 3(XIC)  C1_Robot_Gates_OK - SafetyProgram Map_Outputs - 3(XIC)  C1_Robot_Gates_OK - SafetyProgram Map_Outputs - 3(XIC)  BOOL  AdvManLab		0.7440)		
External Access: Read/Write C1 N011:I.Data[6].7 0 BOOL  PPXI - MainProgram/Cell_1_ZZ - 5(XIO), 8(XIC)  C1 Robot_ES_OK 1 BOOL  Constant No External Access: Read/Write C1_Robot_ES_OK - SafetyProgram SEStopsAndGates - *23(OTE) C1_Robot_ES_OK - SafetyProgram Map_Outputs - 3(XIC)  C1_Robot_ES_OK - SafetyProgram Map_Outputs - 3(XIC)  C1_Robot_Gates_OK	PPX1 - MainProgram/Cell_1_ZZ - 3(XIO), 8	S(XIC)		
External Access: Read/Write C1 N011:I.Data[6].7 0 BOOL  PPXI - MainProgram/Cell_1_ZZ - 5(XIO), 8(XIC)  C1 Robot_ES_OK 1 BOOL  Constant No External Access: Read/Write C1_Robot_ES_OK - SafetyProgram SEStopsAndGates - *23(OTE) C1_Robot_ES_OK - SafetyProgram Map_Outputs - 3(XIC)  C1_Robot_ES_OK - SafetyProgram Map_Outputs - 3(XIC)  C1_Robot_Gates_OK	¶ C1 N011·I		AB:1734 8SLOT:1:0	AdvManLah
C1_N011:1.Data[6].7 0 PPXI - MainProgram/Cell_1_ZZ - 5(XIO), 8(XIC)  C1_Robot_ES_OK	External Access:	Read/Write	71D.1754_05E01.1.0	7 ta viviani. ao
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			POOL	
C1_Robot_ES_OK		•	BOOL	
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)  BOOL  AdvManLab	$PFXI - MainProgram/Ceit_1_ZZ - 3(XIO), \delta$	(AIC)		
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)  BOOL  AdvManLab	C1 Daket ES OV	1	DOOL	A da Man I ah
External Access: Read/Write  Cl_Robot_ES_OK - SafetyProgram SeStopsAndGates - *23(OTE)  Cl_Robot_ES_OK - SafetyProgram Map_Outputs - 3(XIC)  Cl_Robot_Gates_OK		l N	BOOL	AdvivianLab
C1_Robot_ES_OK - SafetyProgram (EStopsAndGates - *23(OTE) C1_Robot_ES_OK - SafetyProgram (Map_Outputs - 3(XIC))  C1_Robot_Gates_OK				
C1_Robot_ES_OK - SafetyProgram Map_Outputs - 3(XIC)  C1_Robot_Gates_OK	_			
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)  C1_Robot_Gates_OK - SafetyProgram /Map_Outputs - 3(XIC)  C1_Robot_Gates_OK - SafetyProgram /Map_Outputs - 3(XIC)  BOOL AdvManLab				
Constant External Access: Read/Write C1_Robot_Gates_OK - SafetyProgram  (Stops And Gates - *23 (OTE) C1_Robot_Gates_OK - SafetyProgram  (Map_Outputs - 3 (XIC))  C1EASRelay_Monitor  0  BOOL  AdvManLab	CI_Robot_ES_OK - SafetyProgram 🗐 Map_	_Outputs - 3(XIC)		
Constant External Access: Read/Write C1_Robot_Gates_OK - SafetyProgram  (Stops And Gates - *23 (OTE) C1_Robot_Gates_OK - SafetyProgram  (Map_Outputs - 3 (XIC))  C1EASRelay_Monitor  0  BOOL  AdvManLab		0	DOOL	A 1 3 6 7 1
External Access:  C1_Robot_Gates_OK - SafetyProgram	C1_Robot_Gates_OK		BOOL	AdvManLab
C1_Robot_Gates_OK - SafetyProgram				
C1_Robot_Gates_OK - SafetyProgram Map_Outputs - 3(XIC)  C1_Robot_Gates_OK - SafetyProgram Map_Outputs - 3(XIC)  BOOL  AdvManLab				
C1EASRelay_Monitor 0 BOOL AdvManLab				
	■ C1_Robot_Gates_OK - SafetyProgram 🗐/M	ap_Outputs - 3(XIC)		
	O CATE A CD L M 4	0	DOOL	A 1 3 6 7 1
Robot External Safety Gate Relay Monitor		U	ROOL	AdvManLab
	Robot External Safety Gate Relay Monitor			

AdvManLab (Controller)

10/7/2017 3:55:18 PM C:\Users\VRMILLING\Documents\control team manuals\Logic W2017\Separate branches\Jenny branch.ACD C1EASRelay Monitor (Continued) Constant No External Access: Read/Write

CIEASRelay Monitor - SafetyProgram Map Inputs - \*4(OTE) 0 C1EESRelay Monitor **BOOL** AdvManLab Robot External EStop Relay Monitor Constant No External Access: Read/Write CIEESRelay Monitor - SafetyProgram Map Inputs - \*4(OTE) **■** C1HoldBack PalletStop AdvManLab Constant No External Access: Read/Write **BOOL** C1HoldBack.Ext Extend Stop C1HoldBack.Ext - MainProgram/Cell 1 ZZ - \*6(OTU), \*7(OTL) C1HoldBack.Ext - MainProgram/Control Valve - 8(XIC) C1HoldBack.Ret **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 Read/Write External Access: C1RobotStop.Ext **BOOL** Extend Stop C1RobotStop.Ext - MainProgram/Cell 1 ZZ - \*13(OTU), \*17(OTL) C1RobotStop.Ext - MainProgram/Control Valve - 10(XIC) C1RobotStop.Ret **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

C1C (Continued)		
C1S (Continued)		
Data related to Fanuc Machining Cell Maximum Consumers:	4	
Include Connection Status:	4 Yes	
Send Data State Change Event to Consume	* /	
Allow Unicast Consumer Connections:	Yes	
Constant	No Dec 1/W/://	
External Access:	Read/Write	CONNECTION CTATLIC
C1S.ConnStat		CONNECTION_STATUS
Data related to Fanuc Machining Cell		DOOL
C1S.ConnStat.RunMode	0	BOOL
Data related to Fanuc Machining Cell		DOOL
C1S.ConnStat.ConnectionFaulted	0	BOOL
Data related to Fanuc Machining Cell		CNC C C
C1S.CNC_A	CNC	CNC_Safetys
Data related to Fanuc Machining Cell First	CNC	CONDICATION CANADIC
C1S.CNC_A.ConnStat	CNC	CONNECTION_STATUS
Data related to Fanuc Machining Cell First		DOO!
C1S.CNC_A.ConnStat.RunMode	0	BOOL
Data related to Fanuc Machining Cell First		DOO!
C1S.CNC_A.ConnStat.ConnectionFaulted	0	BOOL
Data related to Fanuc Machining Cell First	CNC	DOO!
C1S.CNC_A.LC_Ch1	I	BOOL
CNC1 Light Screen Ch1	TG 4 1G 0 (7 G)	
C1S.CNC_A.LC_Ch1 - SafetyProgram		
C1S.CNC_A.LC_Ch1 - SafetyProgram	Map_Inputs - *3(OTE)	2007
C1S.CNC_A.LC_Ch2	I	BOOL
CNC1 Light Screen Ch2	70 4 10 0 7 0	
C1S.CNC_A.LC_Ch2 - SafetyProgram	EStopsAndGates - 9(LC)	
C1S.CNC_A.LC_Ch2 - SafetyProgram 🗐/		
C1S.CNC_A.DoorSW_Ch1	0	BOOL
CNC1 Door Switch Ch1	<b>R</b>	
C1S.CNC_A.DoorSW_Ch1 - SafetyProgram		
C1S.CNC_A.DoorSW_Ch1 - SafetyProgram	$m = Map\_Inputs - *3(OTE)$	
C1S.CNC_A.DoorSW_Ch2	0	BOOL
CNC1 Door Switch Ch2	D.	
C1S.CNC_A.DoorSW_Ch2 - SafetyProgram		
C1S.CNC_A.DoorSW_Ch2 - SafetyProgram	$m = Map\_Inputs - *3(OTE)$	
C1S.CNC_A.EStop_Ch1	1	BOOL
Data related to Fanuc Machining Cell CNC		
C1S.CNC_A.EStop_Ch1 - SafetyProgram		
C1S.CNC_A.EStop_Ch1 - SafetyProgram	➡/Map_Inputs - *3(OTE)	
C1S.CNC_A.EStop_Ch2	1	BOOL
Data related to Fanuc Machining Cell CNC		
C1S.CNC_A.EStop_Ch2 - SafetyProgram		
C1S.CNC_A.EStop_Ch2 - SafetyProgram	➡Map_Inputs - *3(OTE)	
C1S.CNC_A.UserDef1	0	BOOL
Data related to Fanuc Machining Cell Spar	re Channel 1	

C1S (Continued)	
C1S (Continued) C1S.CNC A.UserDef2 0	BOOL
Data related to Fanuc Machining Cell Spare Channel 2	DOOL
C1S.CNC B	CNC Safatua
	CNC_Safetys
Data related to Fanuc Machining Cell Second CNC	CONNECTION STATUS
C1S.CNC_B.ConnStat	CONNECTION_STATUS
Data related to Fanuc Machining Cell Second CNC	DOOL
C1S.CNC_B.ConnStat.RunMode 0	BOOL
Data related to Fanuc Machining Cell Second CNC	DOOL
C1S.CNC_B.ConnStat.ConnectionFaulted 0	BOOL
Data related to Fanuc Machining Cell Second CNC	DOOL
C1S.CNC_B.LC_Ch1	BOOL
CNC2 Light Screen Ch1	
C1S.CNC_B.LC_Ch1 - SafetyProgram WEStopsAndGates - 10(LC)	
C1S.CNC_B.LC_Ch1 - SafetyProgram  Map_Inputs - *6(OTE)	POOL.
C1S.CNC_B.LC_Ch2	BOOL
CNC2 Light Screen Ch2	
C1S.CNC_B.LC_Ch2 - SafetyProgram WEStopsAndGates - 10(LC)	
C1S.CNC_B.LC_Ch2 - SafetyProgram	noor.
C1S.CNC B.DoorSW Ch1	BOOL
CNC2 Door Switch Ch1	
C1S.CNC_B.DoorSW_Ch1 - SafetyProgram [4]/EStopsAndGates - 10(RIN)	
C1S.CNC_B.DoorSW_Ch1 - SafetyProgram █️Map_Inputs - *6(OTE)	
C1S.CNC_B.DoorSW_Ch2	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	BOOL
Data related to Fanuc Machining Cell CNC E-Stop Button Channel 2	
C1S.CNC_B.EStop_Ch2 - SafetyProgram EVEStopsAndGates - 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	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	BOOL

C1S (Continued)	
Cell 1 Gate Switch Ch1	
C1S.Perim.GateSW_Ch1 - SafetyProgram [WEStopsAndGates - 6(RIN)	
C1S.Perim.GateSW_Ch1 - SafetyProgram      Map_Inputs - *4(OTE)	
C1S.Perim.GateSW_Ch2	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	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	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	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	

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C1S (Continued)			
C1S.Perim.EntMuteStatOK - SafetyProgram	$\mathbb{E}^{\mathbb{E}}$ EStopsAndGates - *7(OTE), 7(TSSM)		
C1S.Perim.ExitMuteStatOK	1	BOOL	
Data related to Fanuc Machining Cell Status			
C1S.Perim.ExitMuteStatOK - SafetyProgram	n 🗐/EStopsAndGates - *8(OTE), 8(TSSM)		
C1S.Perim.OK	0	BOOL	
Data related to Fanuc Machining Cell Perim			
C1S.Perim.OK - SafetyProgram 🗐/Cell_1 -			
C1S.Perim.OK - SafetyProgram 🗐/EStopsA	ndGates - 23(XIC)		
C1S.Perim.Ent_LC_Not_Blocked	0	BOOL	
Data related to Fanuc Machining Cell Invert			
	ogram 🗐/EStopsAndGates - *7(OTE), 7(TSSM)		
C1S.Perim.Exit_LC_Not_Blocked		BOOL	
Data related to Fanuc Machining Cell Invert			
CIS.Perim.Exit_LC_Not_Blocked - SafetyPi	rogram 🗐/EStopsAndGates - *8(OTE), 8(TSSM)		
¶ C2 N021.1.1		AD:1724 IDSC Cafat:5:1:0	Adv.MonI ob
C2_N021:1:I	No	AB:1734_IB8S_Safety5:I:0	AdvManLab
Constant External Access:	No Read/Write		
	Read/Wfile	BOOL	
C2_N021:1:I.ConnectionFaulted C2 N021:1:I.ConnectionFaulted - SafetyPro	1 ogram Man Innuts 2(VIO)	BOOL	
C2_N021:1:I.Pt00Data	0 o	BOOL	
C2_N021:1:1:100Data C2_N021:1:1.Pt00Data - SafetyProgram 🗐	/Man Innuts - 8(XIC)	BOOL	
C2 N021:1:I.Pt01Data	0	BOOL	
C2_N021:11:11:01Data C2_N021:1:1.Pt01Data - SafetyProgram 🗐	/Man Innuts - 8(XIC)	DOOL	
C2 N021:1:I.Pt02Data	0	BOOL	
C2_N021:11:II: t02Data C2_N021:1:I.Pt02Data - SafetyProgram 🗐	/Map Inputs - 8(XIC)	BOOL	
C2 N021:1:I.Pt03Data	0	BOOL	
C2 N021:1:I.Pt03Data - SafetyProgram 🗐	Map Inputs - 8(XIC)	2002	
C2 N021:1:I.Pt04Data	0	BOOL	
	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	
	Map_Inputs - 8(XIC)		
C2_N021:1:I.Pt07Data	0	BOOL	
C2_N021:1:I.Pt07Data - SafetyProgram 🗐	/Map_Inputs - 8(XIC)		
d			
<b>♣</b> C2_N021:2:I		AB:1734_IB8S_Safety5:I:0	AdvManLab
Constant	No		
External Access:	Read/Write	D0.07	
C2_N021:2:I.ConnectionFaulted		BOOL	
C2_N021:2:1.ConnectionFaulted - SafetyPr	ogram =\ Map_Inputs - 9(XIO)	DOOL	
C2_N021:2:I.Pt00Data	U (M. I. ( O(VIC)	BOOL	
C2_N021:2:I.Pt00Data - SafetyProgram	Map_Inputs - 9(XIC)	DOOL	
C2_N021:2:I.Pt01Data C2_N021:2:I.Pt01Data - SafetyProgram 🗐	V Man Innuta O(VIC)	BOOL	
	- Map_Inpuis - 9(ΔIC) - 0	BOOL	
C2_N021:2:I.Pt02Data	U	DOOL	

AdvManLab - Controller Tag Listing AdvManLab (Controller)

C2 N021-2-I (Continued)			
C2_N021:2:I (Continued) C2_N021:2:I.Pt02Data - SafetyProgram ♣\/Map	n Innuts O(VIC)		
C2_N021.2.1.F102Data - SayetyFrogram www.waq C2_N021:2:I.Pt03Data 0	0_Inpuis - 9(AIC)	BOOL	
C2_N021:2:1.Ft03Data	n Junuta O(VIC)	BOOL	
	0_Inpuis - 9(AIC)	BOOL	
C2_N021:2:I.Pt04Data 0 C2_N021:2:I.Pt04Data - SafetyProgram ♣/Map	n January O(VIC)	BOOL	
	0_Inputs - 9(AIC)	BOOL	
C2_N021:2:I.Pt05Data 0	n January O(VIC)	BOOL	
C2_N021:2:I.Pt05Data - SafetyProgram Man	p_Inputs - 9(XIC)	DOOL	
C2_N021:2:I.Pt06Data 0	- I	BOOL	
C2_N021:2:I.Pt06Data - SafetyProgram Man	0_Inputs - 9(AIC)	DOOL	
C2_N021:2:I.Pt07Data 0	I (VIC)	BOOL	
C2_N021:2:I.Pt07Data - SafetyProgram 🗐/Map	p_Inputs - 9(XIC)		
♣ C2 N021:3:I		AB:1734 IB8S Safety5:I:0	AdvManLab
	No		
	Read/Write		
C2 N021:3:I.ConnectionFaulted 1		BOOL	
C2 N021:3:I.ConnectionFaulted - SafetyProgra	$\mu = \sqrt{EStonsAndGates} - 13(XIO), 14(XIO)$		
C2 N021:3:I.ConnectionFaulted - SafetyProgra			
C2 N021:3:I.Pt00Data 0	· · · · · · · · · · · · · · · · · · ·	BOOL	
C2 N021:3:I.Pt00Data - SafetyProgram 🗐/Map	p Inputs - 10(XIO)		
C2 N021:3:I.Pt01Data 0		BOOL	
C2 N021:3:I.Pt01Data - SafetyProgram May	p Inputs - 10(XIO)		
C2 N021:3:I.Pt02Data 0		BOOL	
	p Inputs - 10(XIO)		
$\mathbf{C2} \ \mathbf{N021:3:I.Pt03Data}$		BOOL	
	p Inputs - 10(XIO)		
C2 N021:3:I.Pt04Data 0		BOOL	
	p Inputs - 10(XIC)		
C2_N021:3:I.Pt05Data 0		BOOL	
C2_N021:3:I.Pt05Data - SafetyProgram 🗐/Map	p_Inputs - 10(XIC)		
C2_N021:3:I.Pt06Data 0		BOOL	
C2_N021:3:I.Pt06Data - SafetyProgram 🗐/Map	p_Inputs - 10(XIC)		
C2_N021:3:I.Pt07Data 0		BOOL	
C2_N021:3:I.Pt07Data - SafetyProgram 🗐/Maţ	p_Inputs - 10(XIC)		
I CO NOOL A I		AD 1724 IDOC C C 4 7 1 0	A 1 M T 1
C2_N021:4:I	т	AB:1734_IB8S_Safety5:I:0	AdvManLab
	No		
	Read/Write	DOOL	
C2_N021:4:I.ConnectionFaulted 1	<b>■</b> /M I (11/VIO)	BOOL	
C2_N021:4:I.ConnectionFaulted - SafetyProgra	um WMap_Inputs - 11(XIO)	DOOL	
C2_N021:4:I.Pt00Data 0	- I	BOOL	
C2_N021:4:I.Pt00Data - SafetyProgram Man	v_inpuis - 11(AIC)	POOL	
C2_N021:4:I.Pt01Data 0	n Iranuta 11 (VIC)	BOOL	
C2_N021:4:I.Pt01Data - SafetyProgram Man	v_inpuis - 11(AIC)	POOL	
C2_N021:4:I.Pt02Data 0 C2_N021:4:I.Pt02Data - SafetyProgram M/Maj	n Innuts 11(VIC)	BOOL	
C2_N021:4:1.Pt02Data - SajetyProgram WMap C2_N021:4:I.Pt03Data 0	υ_Inpuis - 11(ΔIC)	BOOL	
C2_NU21:4:1.FU3Data U		DOOL	

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C2 N021:4:I (Continued)				
C2 N021:4:I.Pt03Data - SafetyP	Program 🗐/Map Inputs - 11(XIC)			
C2_N021:4:I.Pt04Data	0	BOOL		
C2 N021:4:I.Pt04Data - SafetyP	rogram 🗐/Map Inputs - 11(XIC)			
C2 N021:4:I.Pt05Data	0	BOOL		
C2 N021:4:I.Pt05Data - SafetyP	rogram 🗐/Map Inputs - 11(XIC)			
C2 N021:4:I.Pt06Data	0	BOOL		
	Program 🗐/Map Inputs - 11(XIC)			
C2 N021:4:I.Pt07Data	0	BOOL		
	rogram 🗐 Map_Inputs - 11(XIC)			
♣ C2 N021:5:I		AB:1734 OB8S Safety2:I:0	AdvManLab	
Constant	No	71B.1731_0B05_5416ty2.1.0	Tavivanio	
External Access:	Read/Write			
C2 N021:5:I.ConnectionFaulted	1	BOOL		
	' - SafetyProgram ∰/Map Outputs - 4(XIO)	BOOL		
C2_1\021.5.1.Connection1\u00e4uneu	- Sujetyi rogram • mup_Outputs - 4(A1O)			
_ 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 - Safety	Program 🗐/Map Outputs - *4(OTE)			
C2 N021:5:O.Pt01Data	1	BOOL		
C2 N021:5:O.Pt01Data - Safety	Program 🗐/Map Outputs - *4(OTE)			
C2 N021:5:O.Pt02Data	0	BOOL		
	Program 🗐/Map Outputs - *4(OTE)			
C2 N021:5:O.Pt03Data	0	BOOL		
C2 N021:5:O.Pt03Data - Safety	Program 🗐/Map_Outputs - *4(OTE)			
C2 N021:5:O.Pt04Data	0	BOOL		
	Program 🗐/Map Outputs - *4(OTE)			
C2 N021:5:O.Pt05Data	0	BOOL		
	Program Map Outputs - *4(OTE)			
C2 N021:5:O.Pt06Data	0	BOOL		
	Program 🗐/Map Outputs - *4(OTE)			
C2 N021:5:O.Pt07Data	0	BOOL		
C2 N021:5:O.Pt07Data - Safety	Program 🗐/Map Outputs - *4(OTE)			
➡ C2_Robot_ES_OK	1	BOOL	AdvManLab	
Constant	No			
External Access:	Read/Write			
	am $\blacksquare$ /EStopsAndGates - *23(OTE)			
C2_Robot_ES_OK - SafetyProgre	am 🗐/Map_Outputs - 4(XIC)			
C2_Robot_Gates_OK	1	BOOL	AdvManLab	
Constant	No	DOOL	AuvivianLau	
External Access:	Read/Write			
	gram <b>=</b>  EStopsAndGates - *23(OTE)			
C2_Robot_Gates_OK - SafetyPro				
C2_Koooi_Gales_OK - SafetyPro	ogram 🛶 wap_Outputs - 4(AIC)			

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C2EASRelay_Monitor  Robot External Safety Gate Relay Monitor	0	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
C2EASRelay_Monitor - SafetyProgram 🗐			
C2EESRelay_Monitor Robot External EStop Relay Monitor	0	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
C2EESRelay_Monitor - SafetyProgram 🗐	/Map_Inputs - *9(OTE)		
<b>□</b> C2HoldBack		PalletStop	AdvManLab
Constant	No	•	
External Access:	Read/Write		
C2HoldBack.Ext	1	BOOL	
Extend Stop			
C2HoldBack.Ext - MainProgram/Cell_2_Z			
C2HoldBack.Ext - MainProgram/Control_	Valve - 12(XIC)		
C2HoldBack.Ret	0	BOOL	
Retract Stop	77		
C2HoldBack.Ret - MainProgram/Cell_2_Z C2HoldBack.Ret - MainProgram/Control			
_	, , , , , , , , , , , , , , , , , , , ,		
C2RobotStop	N.	PalletStop	AdvManLab
Constant	No Pood/Write		
External Access:	Read/Write	BOOL	
C2RobotStop.Ext Extend Stop	1	BOOL	
C2RobotStop.Ext - MainProgram/Cell 2 Z	77 - *10(OTII) *14(OTI)		
C2RobotStop.Ext - MainProgram/Control			
C2RobotStop.Ret	0	BOOL	
Retract Stop			
C2RobotStop.Ret - MainProgram/Cell 2 Z	ZZ - *10(OTL), *14(OTU)		
C2RobotStop.Ret - MainProgram/Control_			
C2RobotStopPalletTransit		TIMER	AdvManLab
Constant	No		
External Access:	Read/Write		
C2RobotStopPalletTransit - MainProgram	/Cell 2 ZZ - *13(TON)		
C2RobotStopPalletTransit.DN	0	BOOL	
C2RobotStopPalletTransit.DN - MainProg	ram/Cell_2_ZZ - 14(XIC)		
<b>■</b> C2RobotStopRetractConditions	0	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
C2RobotStopRetractConditions - MainPro	gram/Cell_2_ZZ - *10(OTE), 13(XIO), 14	(XIO)	

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		£ 7=
C2S	Fanuc Cell Safe	AdvManLab
Data related to Fanuc Machining Cell	1 what _ 5 wh	114 (1114)
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	CONNECTION_STATUS	
C2S.ConnStat.RunMode 0	BOOL	
Data related to Fanuc Machining Cell	BOOL	
	BOOL	
C2S.ConnStat.ConnectionFaulted 0	DOOL	
Data related to Fanuc Machining Cell	CNIC Cafatara	
C2S.CNC_A  Data related to Forms Machining Call First CNC	CNC_Safetys	
Data related to Fanuc Machining Cell First CNC	CONNECTION CTATLIC	
C2S.CNC_A.ConnStat	CONNECTION_STATUS	
Data related to Fanuc Machining Cell First CNC	DOO!	
C2S.CNC_A.ConnStat.RunMode 0	BOOL	
Data related to Fanuc Machining Cell First CNC	DOO.	
C2S.CNC_A.ConnStat.ConnectionFaulted 0	BOOL	
Data related to Fanuc Machining Cell First CNC	DO OF	
C2S.CNC_A.LC_Ch1 1	BOOL	
CNC3 Light Screen Ch1		
$C2S.CNC\_A.LC\_Ch1$ - $SafetyProgram$ $\square VEStopsAndGates$ - $15(LC)$		
C2S.CNC_A.LC_Ch1 - SafetyProgram 🗐/Map_Inputs - *8(OTE)		
C2S.CNC_A.LC_Ch2	BOOL	
CNC3 Light Screen Ch2		
$C2S.CNC\_A.LC\_Ch2$ - $SafetyProgram$ $\blacksquare$ / $EStopsAndGates$ - $15(LC)$		
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	BOOL	
CNC3 Door Switch Ch2		
C2S.CNC A.DoorSW Ch2 - SafetyProgram 🗐/EStopsAndGates - 15(RIN)		
C2S.CNC A.DoorSW Ch2 - SafetyProgram Amap 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	BOOL	
Data related to Fanuc Machining Cell CNC E-Stop Button Channel 2		
C2S.CNC A.EStop Ch2 - SafetyProgram [4]/EStopsAndGates - 3(ESTOP)		
C2S.CNC A.EStop Ch2 - SafetyProgram Map Inputs - *8(OTE)		
C2S.CNC_A.UserDef1	BOOL	
Data related to Fanuc Machining Cell Spare Channel 1		
Service of the servic		

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C2S (Continued)	
C2S (Continued)	DOOL
C2S.CNC_A.UserDef2  O Determined to Fermio Machining Call Space Channel 2	BOOL
Data related to Fanuc Machining Cell Spare Channel 2	CNC Sofatra
C2S.CNC_B  Data related to Forms Machining Call Second CNC	CNC_Safetys
Data related to Fanuc Machining Cell Second CNC	CONNECTION CTATUS
C2S.CNC_B.ConnStat	CONNECTION_STATUS
Data related to Fanuc Machining Cell Second CNC	BOOL
C2S.CNC_B.ConnStat.RunMode 0	DOOL
Data related to Fanuc Machining Cell Second CNC	DOOL
C2S.CNC_B.ConnStat.ConnectionFaulted 0	BOOL
Data related to Fanuc Machining Cell Second CNC	DOOL
C2S.CNC_B.LC_Ch1	BOOL
CNC4 Light Screen Ch1	
C2S.CNC_B.LC_Ch1 - SafetyProgram SestopsAndGates - 16(LC)	
C2S.CNC_B.LC_Ch1 - SafetyProgram Map_Inputs - *11(OTE)	DOOL
C2S.CNC_B.LC_Ch2	BOOL
CNC4 Light Screen Ch2	
C2S.CNC_B.LC_Ch2 - SafetyProgram States - 16(LC)	
C2S.CNC_B.LC_Ch2 - SafetyProgram Map_Inputs - *11(OTE)	DOOL
C2S.CNC_B.DoorSW_Ch1 0	BOOL
CNC4 Door Switch Ch1	
C2S.CNC_B.DoorSW_Ch1 - SafetyProgram (StopsAndGates - 16(RIN)	
C2S.CNC_B.DoorSW_Ch1 - SafetyProgram Map_Inputs - *11(OTE)	DOOL
C2S.CNC_B.DoorSW_Ch2 0	BOOL
CNC4 Door Switch Ch2	
C2S.CNC_B.DoorSW_Ch2 - SafetyProgram  (**LLCTE**)	
C2S.CNC_B.DoorSW_Ch2 - SafetyProgram Map_Inputs - *11(OTE)	DOOL
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 (Start Program (Man. Inputs *11(OTE)	
C2S.CNC_B.EStop_Ch1 - SafetyProgram Map_Inputs - *11(OTE)	BOOL
C2S.CNC_B.EStop_Ch2  Determined to Ferrya Machining Call CNC F. Stop Button Channel 2	DOOL
Data related to Fanuc Machining Cell CNC E-Stop Button Channel 2  C2S.CNC_B.EStop_Ch2 - SafetyProgram States - 3(ESTOP)	
C2S.CNC_B.Estop_Cn2 - SafetyProgram State	
C2S.CNC B.UserDef1	BOOL
Data related to Fanuc Machining Cell Spare Channel 1	DOOL
C2S.CNC B.UserDef2	BOOL
Data related to Fanuc Machining Cell Spare Channel 2	BOOL
The state of the s	Cell_Perimeter
C2S.Perim Data related to Fanuc Machining Cell Cell Perimeter I/O	Cen_Fermietei
C2S.Perim.ConnStat	CONNECTION_STATUS
Data related to Fanuc Machining Cell Cell Perimeter I/O	CONNECTION_STATUS
C2S.Perim.ConnStat.RunMode	BOOL
Data related to Fanuc Machining Cell Cell Perimeter I/O	DOOL
C2S.Perim.ConnStat.ConnectionFaulted 0	BOOL
Data related to Fanuc Machining Cell Cell Perimeter I/O	DOOL
· ·	BOOL
C2S.Perim.GateSW_Ch1 1	DOOL

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	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	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	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	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	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	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  School English State  School St
    C2S.Perim.ExitMuteStatOK
                                                                                                                                                                               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
                                                                                                                                                                               BOOL
         Data related to Fanuc Machining Cell Perimeter is Secure
         C2S.Perim.OK - SafetyProgram //Cell 2 - *0(OTE)
         C2S.Perim.OK - SafetyProgram  Stops And Gates - 23(XIC)
    C2S.Perim.Ent LC Not Blocked
                                                                                                                                                                               BOOL
         Data related to Fanuc Machining Cell Inverted LCB bit
         C2S.Perim.Ent LC Not Blocked - SafetyProgram  E/EStopsAndGates - *13(OTE), 13(TSSM)
    C2S.Perim.Exit LC Not Blocked
                                                                                                                                                                               BOOL
         Data related to Fanuc Machining Cell Inverted LCB bit
         C2S.Perim.Exit LC Not Blocked - SafetyProgram WEStopsAndGates - *14(OTE), 14(TSSM)
🗐 C3 N031:1:I
                                                                                                                                                                                                                                                                       AdvManLab
                                                                                                                                                                               AB:1734 IB8S Safety5:I:0
         Constant
                                                                                       No
         External Access:
                                                                                       Read/Write
                                                                                                                                                                               BOOL
    C3 N031:1:I.ConnectionFaulted
         C3 N031:1:I.ConnectionFaulted - SafetyProgram Map Inputs - 13(XIO)
    C3 N031:1:I.Pt00Data
                                                                                                                                                                               BOOL
         C3 N031:1:I.Pt00Data - SafetyProgram Map Inputs - 13(XIC)
    C3 N031:1:I.Pt01Data
                                                                                                                                                                               BOOL
         C3 N031:1:I.Pt01Data - SafetyProgram Map Inputs - 13(XIC)
    C3 N031:1:I.Pt02Data
                                                                                                                                                                               BOOL
         C3 N031:1:I.Pt02Data - SafetyProgram Map Inputs - 13(XIC)
    C3 N031:1:I.Pt03Data
                                                                                                                                                                               BOOL
         C3 N031:1:I.Pt03Data - SafetyProgram ■ Map Inputs - 13(XIC)
    C3 N031:1:I.Pt04Data
                                                                                                                                                                               BOOL
         C3 N031:1:I.Pt04Data - SafetyProgram Map Inputs - 13(XIC)
    C3 N031:1:I.Pt05Data
                                                                                                                                                                               BOOL
         C3 N031:1:I.Pt05Data - SafetyProgram Map Inputs - 13(XIC)
    C3 N031:1:I.Pt06Data
                                                                                                                                                                               BOOL
         C3 N031:1:I.Pt06Data - SafetyProgram Map Inputs - 13(XIC)
    C3 N031:1:I.Pt07Data
                                                                                                                                                                               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
                                                                                                                                                                               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
                                                                                                                                                                               BOOL
         C3 N031:2:I.Pt00Data - SafetyProgram  ■ Map Inputs - 14(XIO)
    C3 N031:2:I.Pt01Data
                                                                                                                                                                               BOOL
         C3 N031:2:I.Pt01Data - SafetyProgram Map Inputs - 14(XIO)
```

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C2 N021-2-1 (C4'1)				
C3_N031:2:I (Continued) C3_N031:2:I.Pt02Data	0	BOOL		
C3_N031:2:1.Pt02Data - SafetyProgr	om  (Man Innuts 14(VIO)	DOOL		
C3_N031:2:I.Pt03Data	am <u></u> yMap_Inpuis - 14(A1O)	BOOL		
C3_N031:2:1.1 t05Data C3_N031:2:1.Pt03Data - SafetyProgr	gam 🖹/Man Innuts 14(VIO)	BOOL		
C3 N031:2:I.Pt04Data	am <u>-</u> yviap_inpuis - 14(A1O)	BOOL		
C3_N031:2:1.1 t04Data C3_N031:2:1.Pt04Data - SafetyProgr	gam 🖹/Man Innuts 14(VIC)	BOOL		
C3_N031:2:I.Pt05Data	am <u>=</u> yMap_Inpuis - 14(AIC) ∩	BOOL		
C3_N031:2:1.Ft03Data C3_N031:2:1.Pt05Data - SafetyProgr	vam 🖹/Man Innuts - 14(YIC)	BOOL		
C3 N031:2:I.Pt06Data	$am = yMap_1npuis - 14(MC)$	BOOL		
C3_N031:2:1.1 toobata C3_N031:2:1.Pt06Data - SafetyProgr	vam 🖹/Man Innuts - 14(XIC)	DOOL		
C3 N031:2:I.Pt07Data		BOOL		
C3 N031:2:II.Pt07Data - SafetyProgr	am = Man  Inputs - 14(XIC)	BOOL		
<b>■</b> C3 N031:3:I		AB:1734 IB8S Safety5:I:0	AdvManLab	
Constant	No			
External Access:	Read/Write			
C3_N031:3:I.ConnectionFaulted	1	BOOL		
	fetyProgram 🗐/Map Inputs - 15(XIO)			
$\overline{\text{C3 N031:3:I.Pt00Data}}$	0	BOOL		
C3 N031:3:I.Pt00Data - SafetyProgr	am 🗐/Map Inputs - 15(XIC)			
C3_N031:3:I.Pt01Data	0	BOOL		
C3_N031:3:I.Pt01Data - SafetyProgr	am 🗐/Map_Inputs - 15(XIC)			
C3_N031:3:I.Pt02Data	_ 0	BOOL		
C3_N031:3:I.Pt02Data - SafetyProgr	am 🗐/Map_Inputs - 15(XIC)			
C3_N031:3:I.Pt03Data	0	BOOL		
C3_N031:3:I.Pt03Data - SafetyProgr	am 🗐/Map_Inputs - 15(XIC)			
C3_N031:3:I.Pt04Data	0	BOOL		
C3_N031:3:I.Pt04Data - SafetyProgr	am 🗐/Map_Inputs - 15(XIC)			
C3_N031:3:I.Pt05Data	0	BOOL		
C3_N031:3:1.Pt05Data - SafetyProgr	$am = Map_n Inputs - 15(XIC)$	DO OF		
C3_N031:3:I.Pt06Data	() (5.000)	BOOL		
C3_N031:3:I.Pt06Data - SafetyProgr	$\operatorname{Cam} = \operatorname{Map}_{\Omega} = \operatorname{Inputs} - \operatorname{IS}(XIC)$	POOL		
C3_N031:3:I.Pt07Data	U = 15 (VIC)	BOOL		
C3_N031:3:I.Pt07Data - SafetyProgr	am wMap_Inputs - 13(XIC)			
₫ C3 N031:4:I		AB:1734 OB8S Safety2:I:0	AdvManLab	
Constant	No	AB.1734_OB6S_Safety2.1.0	AdvivianLau	
External Access:	Read/Write			
C3_N031:4:I.ConnectionFaulted	1	BOOL		
C3 NO31:4:I Connection Faulted - So	fetyProgram <b>=</b> Map Outputs - 5(XIO)	BOOL		
C5_1\051.4.1.Connection1 united Sq	gety1 rogram winap_outputs 5(Mo)			
<b>□</b> 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 - SafetyProg	ram 🗐/Map Outputs - *5(OTE)			
C3 N031:4:O.Pt01Data	1	BOOL		
_				

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C3 N031:4:O (Continued)			
C3_N031:4:O.Pt01Data - SafetyProgra	ım ➡∕Map Outputs - *5(OTE)		
C3 N031:4:O.Pt02Data	0	BOOL	
	um ➡Map Outputs - *5(OTE)		
C3 N031:4:O.Pt03Data	0	BOOL	
C3 N031:4:O.Pt03Data - SafetyProgra	um 🗐/Map. Outputs - *5(OTE)		
C3 N031:4:O.Pt04Data	0	BOOL	
C3 N031:4:O.Pt04Data - SafetyProgra	um 🗐/Man Outputs - *5(OTE)	BUUE	
C3 N031:4:O.Pt05Data	0	BOOL	
C3_N031:4:O.Pt05Data - SafetyProgra	um 🗐/Man Outputs - *5(OTE)	BOOE	
C3 N031:4:O.Pt06Data	0	BOOL	
C3 N031:4:O.Pt06Data - SafetyProgra	um 🗐/Man, Outputs - *5(OTF)	BOOE	
C3 N031:4:O.Pt07Data	0	BOOL	
C3 N031:4:O.Pt07Data - SafetyProgra	$\lim_{n\to\infty} \frac{1}{n} Man \cdot Outnuts = *5(OTF)$	BOOL	
C3_1\031.4.O.1 \t0\Data - Sajety1 \t0gra	im <b>-</b> ΨMap_Outputs - 3(O1E)		
C3 Robot ES OK	1	BOOL	AdvManLab
Constant	No	BOOE	Tuttime
External Access:	None		
C3 Robot ES OK - SafetyProgram			
C3 Robot ES OK - SafetyProgram			
C5_Robbi_L5_OR Sujety170gram			
C3 Robot Gates OK	1	BOOL	AdvManLab
Constant	No	2002	Tuttimisuo
External Access:	None		
C3 Robot Gates OK - SafetyProgram			
C3 Robot Gates OK - SafetyProgram			
C5_Nobol_Guics_ON Sujety1 rogram	- Mup_Outputs 3(MC)		
Science   Compared the Compared to the Compare	0	BOOL	AdvManLab
Robot External Safety Gate Relay Moni		BOOE	Tuviviania
Constant	No		
External Access:	Read/Write		
C3EASRelay Monitor - SafetyProgram	_		
C5L/15Retay_Monton Sajety1 rogram	14(O1L)		
C3EESRelay_Monitor	0	BOOL	AdvManLab
Robot External EStop Relay Monitor		BOOE	Tuviviania
Constant	No		
External Access:	Read/Write		
C3EESRelay Monitor - SafetyProgram			
C3EESICity_Monitor Sujety1 rogram	14(O1L)		
<b>■</b> C3RobotStop		PalletStop	AdvManLab
Constant	No	- <del> </del>	14,111111111
External Access:	Read/Write		
C3RobotStop.Ext	0	BOOL	
Extend Stop	v	2002	
C3RobotStop.Ext - MainProgram/Contr	rol Valve - 20(XIC)		
C3RobotStop.Ret	1	BOOL	
Retract Stop	•	2002	
C3RobotStop.Ret - MainProgram/Contr	rol Valve - 21(XIC)		
Control Hami rogram Com			

<b>_</b> 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	1	POOL	
C3S.Perim.GateSW_Ch1	1	BOOL	
Gate Switch Ch1	/EC4 A JC4 10/DIN		
C3S.Perim.GateSW_Ch1 - SafetyProgram			
C3S.Perim.GateSW_Ch1 - SafetyProgram 🗐 C3S.Perim.GateSW Ch2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BOOL	
Gate Switch Ch2	1	BOOL	
C3S.Perim.GateSW_Ch2 - SafetyProgram 🗐	/FStons And Gates - 18(RIN)		
C3S.Perim.GateSW Ch2 - SafetyProgram			
C3S.Perim.Ent LC Ch1	1	BOOL	
Entry Light Screen Ch1	•	2002	
C3S.Perim.Ent LC Ch1 - SafetyProgram	EStopsAndGates - 19(LC)		
C3S.Perim.Ent LC Ch1 - SafetyProgram 🗐			
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			
C3S.Perim.Exit_LC_Ch1 - SafetyProgram	/Map_Inputs - *13(OTE)	POOL	
C3S.Perim.Exit_LC_Ch2	1	BOOL	
Exit Light Screen Ch2	/ES: 4 1C : 20/LC\		
C3S.Perim.Exit_LC_Ch2 - SafetyProgram			
C3S.Perim.Exit_LC_Ch2 - SafetyProgram 🖺 C3S.Perim.Ent Mute1	/Map_Inputs - *15(O1E)	BOOL	
Entry Mute 1 (Mute Signals Inverted)	1	BOOL	
C3S.Perim.Ent Mute1 - SafetyProgram [4]/Es	Stons And Gates - 19(TSSM)		
C3S.Perim.Ent Mute1 - SafetyProgram M/M			
C3S.Perim.Ent Mute2	1	BOOL	
Entry Mute 2 (Mute Signals Inverted)			
C3S.Perim.Ent Mute2 - SafetyProgram 🗐/E	StopsAndGates - 19(TSSM)		
C3S.Perim.Ent_Mute2 - SafetyProgram 🗐/M	[ap_Inputs - *14(OTE)		
C3S.Perim.Exit_Mute1	1	BOOL	
Exit Mute 1 (Mute Signals Inverted)			
C3S.Perim.Exit_Mute1 - SafetyProgram 🗐/E			
C3S.Perim.Exit_Mute1 - SafetyProgram 🗐/M	Map_Inputs - *14(OTE)		
C3S.Perim.Exit_Mute2	1	BOOL	

Extend Stop

(Controller)	C:\\I	Users\VRMILLING\Documents\control_team_manual	s\Logic W2017\Separate branches\Jenny branch
C3S (Continued)			
Exit Mute 2 (Mute Signals Inverted)			
C3S.Perim.Exit Mute2 - SafetyProgram 🗐	EStopsAndGates - 20(TSSM)		
C3S.Perim.Exit Mute2 - SafetyProgram 🗐			
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 O	K		
C3S.Perim.EntMuteStatOK - SafetyProgram	$ \mathbf{B}/ES$ topsAndGates - *19(OTE)		
C3S.Perim.ExitMuteStatOK	1	BOOL	
Status of connection to muting sensors is O	K		
C3S.Perim.ExitMuteStatOK - SafetyProgram	n 🗐/EStopsAndGates - *20(OTE)		
C3S.Perim.OK	1	BOOL	
Perimeter is Secure			
C3S.Perim.OK - SafetyProgram 🗐/Cell_3 -	*0(OTE)		
C3S.Perim.OK - SafetyProgram 🗐/EStopsA	ndGates - 24(XIC)		
C3S.Perim.Ent_LC_Not_Blocked	1	BOOL	
Inverted LCB bit	_		
C3S.Perim.Ent_LC_Not_Blocked - SafetyPr	ogram 🗐/EStopsAndGates - *19(OTE	E), 19(TSSM)	
C3S.Perim.Exit_LC_Not_Blocked	1	BOOL	
Inverted LCB bit	_		
C3S.Perim.Exit_LC_Not_Blocked - SafetyP	rogram 🗐/EStopsAndGates - *20(OTI	E), 20(TSSM)	
C21PartInTransit		TIMER	AdvManLab
Constant	No	THVILIC	Tavivianizao
External Access:	Read/Write		
C21PartInTransit.TT	0	BOOL	
C21PartInTransit.TT - MainProgram/Cell	· ·	BOOL	
	<u>,                                    </u>		
C23Diverter		PalletStop	AdvManLab
Constant	No		
External Access:	Read/Write		
C23Diverter.Ext	1	BOOL	
Extend Stop			
C23Diverter.Ext - MainProgram/Control_Va	alve - 18(XIC)		
C23Diverter.Ret	0	BOOL	
Retract Stop			
C23Diverter.Ret - MainProgram/Control_Va	alve - 19(XIC)		
C23DivHoldBack		DallatStan	AdvManLab
Constant	No	PalletStop	AuvivialiLau
External Access:	Read/Write		
C23DivHoldBack.Ext	1	BOOL	
C23DIVHOIGBack.Ext	1	DUUL	

AdvManLab (Controller)

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C23DivHoldBack (Continued)
    C23DivHoldBack.Ext - MainProgram/Cell 1 ZZ - *2(OTU), *3(OTL)
    C23DivHoldBack.Ext - MainProgram/Control Valve - 16(XIC)
  C23DivHoldBack.Ret
                                                                                          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
                                                                                          BOOL
    C23PartInTransit.TT - MainProgram/Cell 3 ZZ - 1(XIO)
C31DiverterHoldBack
                                                                                          PalletStop
                                                                                                                                        AdvManLab
    Constant
                                             No
                                             Read/Write
    External Access:
  C31DiverterHoldBack.Ext
                                                                                          BOOL
    Extend Stop
    C31DiverterHoldBack.Ext - MainProgram/Cell 3 ZZ - *0(OTL), *1(OTU)
    C31DiverterHoldBack.Ext - MainProgram/Control Valve - 22(XIC)
  C31DiverterHoldBack.Ret
                                                                                          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
                                                                                          BOOL
    C31PartInTransit.TT - MainProgram/Cell 3 ZZ - 1(XIO), 2(XIC)
Dameral Part 1 Distance
                                             1.#QNAN
                                                                                          REAL
                                                                                                                                        AdvManLab
    Constant
                                             No
    External Access:
                                             Read/Write
    Camera 1 Part 1 Distance - MainProgram/Camera 1 Pipeline ZZ - *1(COP), 2(RTOS), 3(LIM)
Dameral Part 1 Length
                                             1.#ONAN
                                                                                          REAL
                                                                                                                                        AdvManLab
    Constant
                                             No
    External Access:
                                             Read/Write
    Camera 1 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
    Camera 1 Part 1 Length 2 - MainProgram/Camera 1 Pipeline ZZ - *1(COP), 2(RTOS), 3(LIM)
```

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Camera1_Part_1_Width Constant External Access: Camera1_Part_1_Width - MainProg	1.#QNAN No Read/Write gram/Camera_1_Pipeline_ZZ - *1(COP)	REAL 2), 2(RTOS), 3(LIM)	AdvManLab
Camera1_Part_1_Width_2 Constant External Access: Camera1_Part_1_Width_2 - MainPr	1.#QNAN No Read/Write rogram/Camera_1_Pipeline_ZZ - *1(CC	REAL OP), 2(RTOS), 3(LIM)	AdvManLab
Camera1_ZZ Constant	No	TIMER	AdvManLab
External Access:	Read/Write		
Camera1_ZZ - MainProgram/Came	ra_1_Pipeline_ZZ - *4(TON)		
Camera1_ZZ.DN	0	BOOL	
Camera1_ZZ.DN - MainProgram/Co	amera_1_Pipeline_ZZ - 5(XIC)		
D Cell_1		Fanuc_Cell	AdvManLab
Constant	No	Tunue_cen	Maymanead
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	0	DOOL	
Cell_1.GoodParts.CU Good part total	0	BOOL	
Cell 1.GoodParts.CD	0	BOOL	
Good part total	V	BOOL	
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		COLNITED	
Cell_1.RejectedParts		COUNTER	
Rejected part total  Cell 1.RejectedParts.PRE	32767	DINT	
Rejected part total	32101	DIM	
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	0	DOC!	
Cell_1.RejectedParts.DN	0	BOOL	
Rejected part total			

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Cell_1 (Continued)		
Cell 1.RejectedParts.OV	0	BOOL
Rejected part total		BOOL
Cell 1.RejectedParts.UN	0	BOOL
Rejected part total		
Cell_1.PartEntering	0	BOOL
Part in transit from hold back to robot stop		
	_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	0	DINT
Cell_1.Mill_A.GoodParts.ACC Good part total	0	DINT
Cell_1.Mill_A.GoodParts.CU	0	BOOL
Good part total	0	BOOL
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		COLDIFEED
Cell_1.Mill_A.RejectedParts		COUNTER
Rejected part total	0	DINT
Cell_1.Mill_A.RejectedParts.PRE Rejected part total	U	DINI
Cell 1.Mill A.RejectedParts.ACC	0	DINT
Rejected part total		Bitti
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		DOOL
Cell_1.Mill_A.RejectedParts.OV	0	BOOL
Rejected part total	0	BOOL
Cell_1.Mill_A.RejectedParts.UN Rejected part total	0	DOOL
Cell 1.Mill A.PartEntering	0	BOOL
Part in transit from hold back to robot stop		DOOL
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		BOOL	
Cell_1.Mill_B.RejectedParts.UN	0	BOOL	
Rejected part total		BOOL	
Cell_1.Mill_B.PartEntering	0	BOOL	
Part in transit from hold back to robot stop	O .	BOOL	
T art in transit from flord back to robot stop			
1 Cell_2		Fanuc_Cell	AdvManLab
Constant	No	Tande_cen	AdvividilLab
External Access:	Read/Write		
Cell 2.GoodParts	Read/ Wille	COUNTER	
Good part total		COUNTER	
Cell 2.GoodParts.PRE	32767	DINT	
Good part total	32101	DINI	
Cell 2.GoodParts.ACC	682	DINT	
_	082	DINI	
Good part total	1	BOOL	
Cell_2.GoodParts.CU	1	BOOL	
Good part total	0	DOOL	
Cell_2.GoodParts.CD	0	BOOL	
Good part total	0	DOOL	
Cell_2.GoodParts.DN	0	BOOL	
Good part total	0	POOL	
Cell_2.GoodParts.OV	0	BOOL	
Good part total			
Coll 2 Cood Dowte LIN			
Cell_2.GoodParts.UN	0	BOOL	

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Cell_2 (Continued)		
Good part total Cell 2.RejectedParts		COUNTER
Rejected part total		COUNTER
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		DOOL
Cell_2.RejectedParts.OV	0	BOOL
Rejected part total Cell_2.RejectedParts.UN	0	BOOL
Rejected part total	U	DOOL
Cell 2.PartEntering	0	BOOL
Part in transit from hold back to robot sto	7	DOOL
	<sup>r</sup> 2 ZZ - *0(OTU), *10(OTU), *3(OTL), 1(XIO), 2(XIO	))
Cell 2.PartEntering - MainProgram/RFII		,
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		DOOL
Cell_2.Mill_A.GoodParts.CU	0	BOOL
Good part total	0	BOOL
Cell_2.Mill_A.GoodParts.CD Good part total	U	BOOL
Cell_2.Mill_A.GoodParts.DN	0	BOOL
Good part total	·	DOOL
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		DDIT
Cell_2.Mill_A.RejectedParts.ACC	0	DINT
Rejected part total  Cell 2.Mill A.RejectedParts.CU	0	BOOL
Rejected part total	v	DOOL
Cell 2.Mill A.RejectedParts.CD	0	BOOL
Rejected part total	•	DOOL
1.0Jeotea part tour		

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Cell_2 (Continued)	0	POOL	
Cell_2.Mill_A.RejectedParts.DN	0	BOOL	
Rejected part total	0	BOOL	
Cell_2.Mill_A.RejectedParts.OV Rejected part total	U	BOOL	
	0	BOOL	
Cell_2.Mill_A.RejectedParts.UN Rejected part total	U	BOOL	
Cell_2.Mill_A.PartEntering	0	BOOL	
Part in transit from hold back to robot stop	U	BOOL	
Cell 2.Mill B.GoodParts		COUNTER	
Good part total		COUNTER	
Cell 2.Mill B.GoodParts.PRE	0	DINT	
Good part total	O .	DIM	
Cell 2.Mill B.GoodParts.ACC	0	DINT	
Good part total	· ·	DINI	
Cell_2.Mill_B.GoodParts.CU	0	BOOL	
Good part total	·	2002	
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		D0.07	
Cell_2.Mill_B.RejectedParts.OV	0	BOOL	
Rejected part total		DO OL	
Cell_2.Mill_B.RejectedParts.UN	0	BOOL	
Rejected part total		DOOL	
Cell_2.Mill_B.PartEntering	0	BOOL	
Part in transit from hold back to robot stop			
A C. HIE . A. L. C.		LICHT CUDTAIN	A da.MonTob
Cell 1 Conveyor Entry Light Sorger		LIGHT_CURTAIN	AdvManLab
Cell 1 Conveyor Entry Light Screen	No		
Constant	No Road/Write		
External Access:	Read/Write		

AdvManLab (Controller)	0

Cell1EntryLC (Continued)			
Cell1EntryLC - SafetyProgram 🗐/EStops/	AndGates - *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	4 - 4 (		
Cell1EntryLC.O1 - SafetyProgram 🗐/Cell	$l_{\perp}I - O(XIC)$		
Cell1EntryLC.CI	0	BOOL	
Cell 1 Conveyor Entry Light Screen			
Cell1EntryLC.CRHO	0	BOOL	
Cell 1 Conveyor Entry Light Screen		7007	
Cell1EntryLC.LCB	1	BOOL	
Cell 1 Conveyor Entry Light Screen	G 4 1G 5 (TO)		
Cell1EntryLC.LCB - SafetyProgram 🗐 ES	StopsAndGates - 7(XIO)	DOOL	
Cell1EntryLC.LCM	0	BOOL	
Cell 1 Conveyor Entry Light Screen		DOOL	
Cell1EntryLC.II	0	BOOL	
Cell 1 Conveyor Entry Light Screen	0	DOOL	
Cell1EntryLC.FP	0	BOOL	
Cell 1 Conveyor Entry Light Screen			
AC HE A LOW A		MUTING TWO CENGOD OVA	AINGTI
Cell1EntryLCMute		MUTING_TWO_SENSOR_SYM	AdvManLab
Celll 1 Entry LC Muting	Ma		
Constant External Access:	No Read/Write		
Cell1EntryLCMute - SafetyProgram  SE			
	siopsAnaGales - ^/(155M)	BOOL	
Cell1EntryLCMute.EnableIn Celll 1 Entry LC Muting	1	DOOL	
	1	BOOL	
Cell1EntryLCMute.RestartType	1	DOOL	
Celll 1 Entry LC Muting Cell1EntryLCMute.LightCurtain	0	BOOL	
Cell 1 Entry LC Muting	U	DOOL	
Cent I Entry LC Muting			

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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	4.0	D D 100		
Cell1EntryLCMute.MaximumMuteTime	10	DINT		
Celll 1 Entry LC Muting	20	DD III		
Cell1EntryLCMute.MaximumOverrideTime	30	DINT		
Celll 1 Entry LC Muting		DOOL		
Cell1EntryLCMute.EnableOut	1	BOOL		
Celll 1 Entry LC Muting	0	DOOL		
Cell1EntryLCMute.O1	0	BOOL		
Cell 1 Entry LC Muting	11 1 0(VIC)			
Cell1EntryLCMute.O1 - SafetyProgram //Cell_1 - 0(XIC)				
Cell1EntryLCMute.O1 - SafetyProgram WES		DOOL		
Cell 1 Entry I C Muting	0	BOOL		
Cell 1 Entry LC Muting	1	DOOI		
Cell 1 Entry I C Muting	1	BOOL		
Celll 1 Entry LC Muting Cell1EntryLCMute.FP	1	BOOL		
Celll 1 Entry LC Muting	1	DOOL		
Cell 1 Entry LC Muting  Cell 1 Entry LC Muting	36864	DINT		
Cell 1 Entry LC Muting	JU0U <del>1</del>	ווווע		
Cell1EntryLCMute.DiagnosticCode	0	DINT		
Cell 1 Entry LC Muting	V	חוועו		
Com I that y be writing				

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Cell1ExitLC		LIGHT_CURTAIN	AdvManLab
Cell 1 Conveyor Exit Light Screen		_	
Constant	No		
External Access:	Read/Write		
Cell1ExitLC - SafetyProgram 🗐/EStop	osAndGates - *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		D. 17. 17. 17. 17. 17. 17. 17. 17. 17. 17	
Cell1ExitLC.InputFilterTime	0	DINT	
Cell 1 Conveyor Exit Light Screen	1	DOOL	
Cell 1 Community Fruit Light Some	1	BOOL	
Cell 1 Conveyor Exit Light Screen Cell1ExitLC.01	1	BOOL	
Cell 1 Conveyor Exit Light Screen	1	BOOL	
Cell1ExitLC.O1 - SafetyProgram ∰/Ce	all = O(VIC)		
Cell1ExitLC.CI  Cell1ExitLC.CI	0	BOOL	
Cell 1 Conveyor Exit Light Screen	O	BOOL	
Cell1ExitLC.CRHO	0	BOOL	
Cell 1 Conveyor Exit Light Screen	v	BOOL	
Cell1ExitLC.LCB	0	BOOL	
Cell 1 Conveyor Exit Light Screen	v	BOOL	
Cell1ExitLC.LCB - SafetyProgram	EStons And Gates - 8(XIO)		
Cell1ExitLC.LCM	0	BOOL	
Cell 1 Conveyor Exit Light Screen	v	2002	
Cell1ExitLC.II	0	BOOL	
Cell 1 Conveyor Exit Light Screen			
Cell1ExitLC.FP	0	BOOL	
Cell 1 Conveyor Exit Light Screen			
- Cell1ExitLCMute		MITTING TWO SENICOD CVM	AdvManLab
		MUTING_TWO_SENSOR_SYM	Adviviantab
Celll 1 Exit LC Muting Constant	No		
External Access:	Read/Write		
Cell1ExitLCMute - SafetyProgram 🗐/1			
Cell1ExitLCMute.EnableIn	2510psAnaGales - 0(155141) 1	BOOL	
Celll 1 Exit LC Muting	1	DOOL	
Cell1ExitLCMute.RestartType	1	BOOL	
- Continue Continue to the con	•	B002	
			Logiy Desi

Cell1ExitLCMute (Continued)		
Celll 1 Exit LC Muting		D 0 0 7
Cell1ExitLCMute.LightCurtain	1	BOOL
Celll 1 Exit LC Muting	1	DOOL
Cell1ExitLCMute.Sensor1	1	BOOL
Cell 1 Exit LC Muting	1	DOO!
Cell1ExitLCMute.Sensor2	1	BOOL
Cell 1 Exit LC Muting	0	DOOL
Cell1ExitLCMute.Reserved1	0	BOOL
Cell 1 Exit LC Muting	0	DOOL
Cell1ExitLCMute.Reserved2	0	BOOL
Cell 1 Exit LC Muting	1	DOOL
Cell 1 Evit I C Muting	1	BOOL
Celll 1 Exit LC Muting Cell1ExitLCMute.Override	0	BOOL
	U	BOOL
Celll 1 Exit LC Muting  Cell1ExitLCMute.InputStatus	1	BOOL
Cell 1 Exit LC Muting	1	BOOL
Cell1ExitLCMute.MutingLampStatus	1	BOOL
Cell 1 Exit LC Muting	1	BOOL
Cell1ExitLCMute.Reset	0	BOOL
Cell 1 Exit LC Muting	<b>U</b>	BOOL
Cell1ExitLCMute.S1S2DiscrepancyTime	1000	DINT
Celll 1 Exit LC Muting	1000	Divi
Cell1ExitLCMute.S1S2LCMinimumTime	10	DINT
Celll 1 Exit LC Muting	10	Divi
Cell1ExitLCMute.S1S2LCMaximumTime	10000	DINT
Celll 1 Exit LC Muting	10000	21111
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 🗐/Ce	ell_1 - 0(XIC)	
Cell1ExitLCMute.O1 - SafetyProgram 🗐/ES	topsAndGates - 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	20.10 (	DD III
Cell1ExitLCMute.FaultCode	39426	DINT
Celll 1 Exit LC Muting		

Cell1ExitLCMute (Continued) Cell1ExitLCMute.DiagnosticCode Celll 1 Exit LC Muting	0	DINT	
Coll 1 Entry Goto Switch		REDUNDANT_INPUT	AdvManLab
Cell 1 Entry Gate Switch Constant	No		
External Access:	Read/Write		
Cell1GateSW - SafetyProgram 🗐 EStopsAnd			
Cell1GateSW.EnableIn	1	BOOL	
Cell 1 Entry Gate Switch	1	BOOL	
Cell1GateSW.ResetType	0	BOOL	
Cell 1 Entry Gate Switch		BOOL	
Cell1GateSW.ChannelA	1	BOOL	
Cell 1 Entry Gate Switch	•	2002	
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	0.(777.0)		
Cell1GateSW.O1 - SafetyProgram ♣/Cell_1		Po of	
Cell1GateSW.CI	0	BOOL	
Cell 1 Entry Gate Switch	0	POOL	
Cell1GateSW.CRHO	0	BOOL	
Cell 1 Entry Gate Switch	0	BOOL	
Cell1GateSW.II Cell 1 Entry Gate Switch	0	DOOL	
Cell1GateSW.FP	0	BOOL	
Cell 1 Entry Gate Switch	0	BOOL	
Cen I Entry Gate Switch			
<b>□</b> Cell1PalletAtStop	0	BOOL	AdvManLab
Part at Cell 1 Pallet Stop			
Constant	No		
External Access:	Read/Write		
Cell1PalletAtStop - MainProgram/Map_Inpi	uts - *0(OTE)		
_1 Cell2EntryLC		LIGHT_CURTAIN	AdvManLab
Cell 2 Conveyor Entry Light Screen			
Constant	No		
External Access:	Read/Write		
Cell2EntryLC - SafetyProgram 🗐 EStopsAnd	dGates - *13(LC)	Pool	
Cell2EntryLC.EnableIn	1	BOOL	
Cell 2 Conveyor Entry Light Screen			

		C. (OSCIS) V ICIVI	induity Documents Control_team_mandais Logic w 20	17 Separate Granenes Sen
i	Coll2Entwil C (Continued)			
	Cell2EntryLC (Continued) Cell2EntryLC.ResetType	0	BOOL	
	Cell 2 Conveyor Entry Light Screen		BOOL	
	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		DDIE	
	Cell2EntryLC.InputFilterTime	0	DINT	
	Cell 2 Conveyor Entry Light Screen	1	BOOL	
	Cell2EntryLC.EnableOut Cell 2 Conveyor Entry Light Screen	I	BOOL	
	Cell2EntryLC.O1	1	BOOL	
	Cell 2 Conveyor Entry Light Screen		BOOL	
	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 🗐/EStop	sAndGates - 13(XIO)		
	Cell2EntryLC.LCM	1	BOOL	
	Cell 2 Conveyor Entry Light Screen			
	Cell2EntryLC.II	0	BOOL	
	Cell 2 Conveyor Entry Light Screen		DOOL	
	Cell2EntryLC.FP	0	BOOL	
	Cell 2 Conveyor Entry Light Screen			
1	Cell2EntryLCMute		MUTING TWO SENSOR SYM	AdvManLab
Ī	Celll 2 Entry LC Muting		WOTHING_I WO_SENSOR_STW	7 Id v Ividii Lao
	Constant	No		
	External Access:	Read/Write		
	Cell2EntryLCMute - SafetyProgram 🗐/EStop			
	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		7007	
	Cell2EntryLCMute.Sensor1	1	BOOL	
	Celll 2 Entry LC Muting	1	ROOL	
	Cell2EntryLCMute.Sensor2	1	BOOL	

<b>AdvManLab - Controller Tag L</b> AdvManLab (Controller)
Cell2EntryLCMute (Continu

Call2Entural CM-ta (Cantinuad)			
Cell2EntryLCMute (Continued) Celll 2 Entry LC Muting			
Cell2EntryLCMute.Reserved1	0	BOOL	
Cell 2 Entry LC Muting	O .	BOOL	
Cell2EntryLCMute.Reserved2	0	BOOL	
Celll 2 Entry LC Muting	O .	BOOL	
Cell2EntryLCMute.EnableMute	1	BOOL	
Celll 2 Entry LC Muting		BOOL	
Cell2EntryLCMute.Override	0	BOOL	
Celll 2 Entry LC Muting		BOOL	
Cell2EntryLCMute.InputStatus	1	BOOL	
Celll 2 Entry LC Muting	•	2002	
Cell2EntryLCMute.MutingLampStatus	1	BOOL	
Celll 2 Entry LC Muting	•	2002	
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 🗐/Ce			
Cell2EntryLCMute.O1 - SafetyProgram 🗐/ES	StopsAndGates - 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			
I C NAP ALC		LIGHT CUPTARY	
Cell2ExitLC		LIGHT_CURTAIN	AdvManLab
Cell 2 Conveyor Exit Light Screen	N		
Constant	No		

Cell2ExitLC (Continued)			
External Access:	Read/Write		
Cell2ExitLC - SafetyProgram 🗐/EStopsAnd	dGates - *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	C - O(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	. 10		
Cell2ExitLC.LCB - SafetyProgram 🗐/EStop	psAndGates - 14(XIO)	2007	
Cell2ExitLC.LCM	1	BOOL	
Cell 2 Conveyor Exit Light Screen	2	DOOL	
Cell2ExitLC.II	0	BOOL	
Cell 2 Conveyor Exit Light Screen	2	DOOL	
Cell2ExitLC.FP	0	BOOL	
Cell 2 Conveyor Exit Light Screen			
AC HOP STOM		MUTING TWO GENGOD GVM	A 1 3 6 T 1
Cell2ExitLCMute		MUTING_TWO_SENSOR_SYM	AdvManLab
Celll 2 Exit LC Muting	Ma		
Constant	No Read/Write		
External Access:			
Cell2ExitLCMute - SafetyProgram ♣\EStop Cell2ExitLCMute.EnableIn	psAnaGales - 14(155W) 1	BOOL	
Cell 2 Exit LC Muting	1	DOOL	
	1	BOOL	
Cell2ExitLCMute.RestartType Celll 2 Exit LC Muting	1	DOOL	
Cell2ExitLCMute.LightCurtain	1	BOOL	
Cenzexite Cyrute. Light Curtain	1	DOOL	

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		DOOL
Cell2ExitLCMute.Reserved1	0	BOOL
Celll 2 Exit LC Muting	0	DOOL
Cell2ExitLCMute.Reserved2	0	BOOL
Cell 2 Exit LC Muting	1	BOOL
Cell2ExitLCMute.EnableMute Celll 2 Exit LC Muting	I	BOOL
Cell2ExitLCMute.Override	0	BOOL
Cell 2 Exit LC Muting	O	BOOL
Cell2ExitLCMute.InputStatus	1	BOOL
Celll 2 Exit LC Muting	1	BOOL
Cell2ExitLCMute.MutingLampStatus	1	BOOL
Celll 2 Exit LC Muting		<b>5</b> 00E
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	•	DOOL
Cell2ExitLCMute.EnableOut	1	BOOL
Celll 2 Exit LC Muting	1	DOOL
Cell 2 Evit I C Muting	I	BOOL
Celll 2 Exit LC Muting  Cell2ExitLCMute.O1 - SafetyProgram  (**)Ce	11 2 0(VIC)	
Cell2ExitLCMute.O1 - SafetyProgram	$u_2 = 0$ (AIC) tons And Catas $1A(IC)$	
Cell2ExitLCMute.ML	0	BOOL
Cell 2 Exit LC Muting	O .	BOOL
Cell2ExitLCMute.CA	0	BOOL
Celll 2 Exit LC Muting	V	5002
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		
-		

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🗐 Cell2GateSW		REDUNDANT_INPUT	AdvManLab
Cell 2 Entry Gate Switch			
Constant	No		
External Access:	Read/Write		
Cell2GateSW - SafetyProgram 🗐/EStop	psAndGates - *12(RIN)		
Cell2GateSW.EnableIn	1	BOOL	
Cell 2 Entry Gate Switch			
Cell2GateSW.ResetType	0	BOOL	
Cell 2 Entry Gate Switch	O	BOOL	
Cell2GateSW.ChannelA	1	BOOL	
Cell 2 Entry Gate Switch	1	DOOL	
Cell2GateSW.ChannelB	1	BOOL	
	1	BOOL	
Cell 2 Entry Gate Switch	0	DOOL	
Cell2GateSW.CircuitReset	0	BOOL	
Cell 2 Entry Gate Switch		DO O.	
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 🖺/C	Tell 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	· ·	BOOL	
Cen 2 Entry Gate Switch			
■ Cell3EntryLC		LIGHT_CURTAIN	AdvManLab
Cell 3 Conveyor Entry Light Screen		Bronn_commit	14411240
Constant	No		
External Access:	Read/Write		
Cell3EntryLC - SafetyProgram 🗐/ESto			
Cell3EntryLC.EnableIn	psAnaGales - 19(LC)	BOOL	
	1	BOOL	
Cell 3 Conveyor Entry Light Screen	0	DOOL	
Cell3EntryLC.ResetType	0	BOOL	
Cell 3 Conveyor Entry Light Screen		DO O.	
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)	0	DOOL	
Cell3EntryLC.FaultReset Cell 3 Conveyor Entry Light Screen	0	BOOL	
Cell3EntryLC.InputFilterTime	0	DINT	
Cell 3 Conveyor Entry Light Screen	U .	Divi	
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		Poor	
Cell3EntryLC.CRHO	0	BOOL	
Cell 3 Conveyor Entry Light Screen	0	BOOL	
Cell 3 Conveyor Entry Light Screen	0	BOOL	
Cell3EntryLC.LCB - SafetyProgram //EStop	os And Gates - 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
Cell3EntryLCMute Celll 3 Entry LC Muting		MUTING_TWO_SENSOR_SYM	AdvManLab
Cell3EntryLCMute Celll 3 Entry LC Muting Constant	No	MUTING_TWO_SENSOR_SYM	AdvManLab
Celll 3 Entry LC Muting Constant External Access:	Read/Write	MUTING_TWO_SENSOR_SYM	AdvManLab
Celll 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  (E)/EStop	Read/Write		AdvManLab
Celll 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  (EStop) Cell3EntryLCMute.EnableIn	Read/Write	MUTING_TWO_SENSOR_SYM  BOOL	AdvManLab
Celll 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram //EStop Cell3EntryLCMute.EnableIn Celll 3 Entry LC Muting	Read/Write	BOOL	AdvManLab
Celll 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  (E)/EStop Cell3EntryLCMute.EnableIn Celll 3 Entry LC Muting Cell3EntryLCMute.RestartType	Read/Write		AdvManLab
Celll 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  (EStop) Cell3EntryLCMute.EnableIn Celll 3 Entry LC Muting Cell3EntryLCMute.RestartType Celll 3 Entry LC Muting	Read/Write	BOOL BOOL	AdvManLab
Celll 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  (E)/EStop Cell3EntryLCMute.EnableIn Celll 3 Entry LC Muting Cell3EntryLCMute.RestartType Cell 3 Entry LC Muting Cell3EntryLCMute.LightCurtain	Read/Write	BOOL	AdvManLab
Celll 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  E/EStop Cell3EntryLCMute.EnableIn Celll 3 Entry LC Muting Cell3EntryLCMute.RestartType Cell 3 Entry LC Muting Cell3EntryLCMute.LightCurtain Celll 3 Entry LC Muting	Read/Write	BOOL BOOL	AdvManLab
Cell 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  (E)/EStop Cell3EntryLCMute.EnableIn Cell 3 Entry LC Muting Cell3EntryLCMute.RestartType Cell 3 Entry LC Muting Cell3EntryLCMute.LightCurtain Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor1	Read/Write	BOOL BOOL	AdvManLab
Celll 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  E/EStop Cell3EntryLCMute.EnableIn Celll 3 Entry LC Muting Cell3EntryLCMute.RestartType Cell 3 Entry LC Muting Cell3EntryLCMute.LightCurtain Celll 3 Entry LC Muting	Read/Write	BOOL BOOL	AdvManLab
Cell 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram //EStop Cell3EntryLCMute.EnableIn Cell 3 Entry LC Muting Cell3EntryLCMute.RestartType Cell 3 Entry LC Muting Cell3EntryLCMute.LightCurtain Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor1 Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor1 Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor2 Cell 3 Entry LC Muting	Read/Write psAndGates - *19(TSSM)  1  1  1  1	BOOL BOOL BOOL BOOL	AdvManLab
Cell 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  (E)/EStop Cell3EntryLCMute.EnableIn Cell 3 Entry LC Muting Cell3EntryLCMute.RestartType Cell 3 Entry LC Muting Cell3EntryLCMute.LightCurtain Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor1 Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor2 Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor2 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved1	Read/Write	BOOL BOOL BOOL	AdvManLab
Cell 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  (E)/EStop Cell3EntryLCMute.EnableIn Cell 3 Entry LC Muting Cell3EntryLCMute.RestartType Cell 3 Entry LC Muting Cell3EntryLCMute.LightCurtain Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor1 Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor2 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved1 Cell 3 Entry LC Muting	Read/Write psAndGates - *19(TSSM)  1  1  1  1  0	BOOL BOOL BOOL BOOL BOOL BOOL	AdvManLab
Cell 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  (E)EStop Cell3EntryLCMute.EnableIn Cell 3 Entry LC Muting Cell3EntryLCMute.RestartType Cell 3 Entry LC Muting Cell3EntryLCMute.LightCurtain Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor1 Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor2 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved1 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved1 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved2	Read/Write psAndGates - *19(TSSM)  1  1  1  1	BOOL BOOL BOOL BOOL	AdvManLab
Cell 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  FEStop Cell3EntryLCMute.EnableIn Cell 3 Entry LC Muting Cell3EntryLCMute.RestartType Cell 3 Entry LC Muting Cell3EntryLCMute.LightCurtain Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor1 Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor2 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved1 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved1 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved2 Cell 3 Entry LC Muting	Read/Write psAndGates - *19(TSSM)  1  1  1  0  0	BOOL BOOL BOOL BOOL BOOL BOOL BOOL	AdvManLab
Cell 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  (E)/EStop Cell3EntryLCMute.EnableIn Cell 3 Entry LC Muting Cell3EntryLCMute.RestartType Cell 3 Entry LC Muting Cell3EntryLCMute.LightCurtain Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor1 Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor2 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved1 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved1 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved2 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved2 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved2 Cell 3 Entry LC Muting Cell3EntryLCMute.EnableMute	Read/Write psAndGates - *19(TSSM)  1  1  1  1  0	BOOL BOOL BOOL BOOL BOOL BOOL	AdvManLab
Cell 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  FEStop Cell3EntryLCMute.EnableIn Cell 3 Entry LC Muting Cell3EntryLCMute.RestartType Cell 3 Entry LC Muting Cell3EntryLCMute.LightCurtain Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor1 Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor2 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved1 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved1 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved2 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved2 Cell 3 Entry LC Muting Cell3EntryLCMute.EnableMute Cell 3 Entry LC Muting	Read/Write psAndGates - *19(TSSM)  1  1  1  0  0	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	AdvManLab
Cell 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  FEStop Cell3EntryLCMute.EnableIn Cell 3 Entry LC Muting Cell3EntryLCMute.RestartType Cell 3 Entry LC Muting Cell3EntryLCMute.LightCurtain Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor1 Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor2 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved1 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved2 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved2 Cell 3 Entry LC Muting Cell3EntryLCMute.EnableMute Cell 3 Entry LC Muting Cell3EntryLCMute.EnableMute Cell 3 Entry LC Muting Cell3EntryLCMute.Override	Read/Write psAndGates - *19(TSSM)  1  1  1  0  0	BOOL BOOL BOOL BOOL BOOL BOOL BOOL	AdvManLab
Cell 3 Entry LC Muting Constant External Access: Cell3EntryLCMute - SafetyProgram  FEStop Cell3EntryLCMute.EnableIn Cell 3 Entry LC Muting Cell3EntryLCMute.RestartType Cell 3 Entry LC Muting Cell3EntryLCMute.LightCurtain Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor1 Cell 3 Entry LC Muting Cell3EntryLCMute.Sensor2 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved1 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved1 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved2 Cell 3 Entry LC Muting Cell3EntryLCMute.Reserved2 Cell 3 Entry LC Muting Cell3EntryLCMute.EnableMute Cell 3 Entry LC Muting	Read/Write psAndGates - *19(TSSM)  1  1  1  0  0	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	AdvManLab

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Cell3EntryLCMute (Continued)			
Celll 3 Entry LC Muting Cell3EntryLCMute.MutingLampStatus	1	BOOL	
Cell 3 Entry LC Muting	1	BOOL	
Cell3EntryLCMute.Reset	0	BOOL	
Celll 3 Entry LC Muting		2002	
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	2	DDIT	
Cell3EntryLCMute.MaximumMuteTime	3	DINT	
Celll 3 Entry LC Muting Cell3EntryLCMute.MaximumOverrideTime	15	DINT	
Cell 3 Entry LC Muting	13	DINI	
Cell3EntryLCMute.EnableOut	1	BOOL	
Celll 3 Entry LC Muting	•	BOOL	
Cell3EntryLCMute.O1	0	BOOL	
Celll 3 Entry LC Muting			
Cell3EntryLCMute.O1 - SafetyProgram 🗐 Ce	ell 3 - 0(XIC)		
Cell3EntryLCMute.O1 - SafetyProgram 🗐 ES	StopsAndGates - 19(LC)		
Cell3EntryLCMute.ML	0	BOOL	
Celll 3 Entry LC Muting			
Cell3EntryLCMute.CA	0	BOOL	
Celll 3 Entry LC Muting		2007	
Cell3EntryLCMute.FP	0	BOOL	
Cell 3 Entry LC Muting	0	DINT	
Cell3EntryLCMute.FaultCode Celll 3 Entry LC Muting	0	DINT	
Cell3EntryLCMute.DiagnosticCode	32	DINT	
Cell 3 Entry LC Muting	32	DINI	
Com 3 Entry EC Muning			
Cell3ExitLC		LIGHT CURTAIN	AdvManLab
Cell 3 Conveyor Exit Light Screen		_	
Constant	No		
External Access:	Read/Write		
Cell3ExitLC - SafetyProgram 🗐/EStopsAndG	Gates - *20(LC)		
Cell3ExitLC.EnableIn	1	BOOL	
Cell 3 Conveyor Exit Light Screen		Root	
Cell3ExitLC.ResetType	0	BOOL	
Cell 3 Conveyor Exit Light Screen	1	BOOL	
Cell3ExitLC.ChannelA Cell 3 Conveyor Exit Light Screen	I	DUUL	
Cell3ExitLC.ChannelB	1	BOOL	
Cell 3 Conveyor Exit Light Screen	1	DOOL	
Son 5 Conveyor Dait Dight Scicon			

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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	2	DD III	
Cell3ExitLC.InputFilterTime	0	DINT	
Cell 3 Conveyor Exit Light Screen	1	POOL	
Cell3ExitLC.EnableOut	I	BOOL	
Cell 3 Conveyor Exit Light Screen		POOL	
Cell3ExitLC.O1	I	BOOL	
Cell 3 Conveyor Exit Light Screen	2 0 (7/10)		
Cell3ExitLC.O1 - SafetyProgram []/Cell_	1	POOL	
Cell 2 Common Fruit Light Someon	0	BOOL	
Cell 3 Conveyor Exit Light Screen	0	BOOL	
Cell 3 Company Fuit Light Sargar	0	BOOL	
Cell 3 Conveyor Exit Light Screen Cell3ExitLC.LCB	0	BOOL	
Cell 3 Conveyor Exit Light Screen	U	BOOL	
Cell 3 Conveyor Exit Light Screen  Cell3ExitLC.LCB - SafetyProgram //ESto	ons And Catas 20(VIO)		
Cell3ExitLC.LCM	0	BOOL	
Cell 3 Conveyor Exit Light Screen	O	DOOL	
Cell3ExitLC.II	0	BOOL	
Cell 3 Conveyor Exit Light Screen	O	DOOL	
Cell3ExitLC.FP	0	BOOL	
Cell 3 Conveyor Exit Light Screen	V	BOOL	
Cen's Conveyor Exit Eight Scieen			
Cell3ExitLCMute		MUTING TWO SENSOR SYM	AdvManLab
Celll 3 Exit LC Muting			
Constant	No		
External Access:	Read/Write		
Cell3ExitLCMute - SafetyProgram 🗐 ESto	ppsAndGates - *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	0	DOOL	
Cell3ExitLCMute.Reserved2	0	BOOL	
Cell 3 Exit LC Muting	1	DOOL	
Cell3ExitLCMute.EnableMute	1	BOOL	

Cell3ExitLCMute (Continued) Cell1 3 Exit LC Muting			
Cell3 Exit LC Muting Cell 3 Exit LC Muting	0	BOOL	
Cell3ExitLCMute.InputStatus	0	BOOL	
Cell3 Exit LC Muting Cell3ExitLCMute.MutingLampStatus	1	BOOL	
Cell3 Exit LC Muting Cell3ExitLCMute.Reset	0	BOOL	
Cell3 Exit LC Muting Cell3ExitLCMute.S1S2DiscrepancyTime	500	DINT	
Cell3 Exit LC Muting Cell3ExitLCMute.S1S2LCMinimumTime	10	DINT	
Cell3 Exit LC Muting Cell3ExitLCMute.S1S2LCMaximumTime	1000	DINT	
Cell3 Exit LC Muting Cell3ExitLCMute.Reserved3	0	DINT	
Cell 3 Exit LC Muting Cell3ExitLCMute.MaximumMuteTime	3	DINT	
Cell3 Exit LC Muting Cell3ExitLCMute.MaximumOverrideTime	15	DINT	
Cell3 Exit LC Muting Cell3ExitLCMute.EnableOut	1	BOOL	
Celll 3 Exit LC Muting Cell3ExitLCMute.O1	0	BOOL	
Celll 3 Exit LC Muting  Cell3ExitLCMute.O1 - SafetyProgram //Cel			
Cell3ExitLCMute.O1 - SafetyProgram  □/ESt Cell3ExitLCMute.ML	topsAndGates - 20(LC) 0	BOOL	
Celll 3 Exit LC Muting	U	BOOL	
Cell3ExitLCMute.CA	0	BOOL	
Celll 3 Exit LC Muting			
Cell3ExitLCMute.FP	0	BOOL	
Cell 3 Exit LC Muting	0	DINT	
Cell3ExitLCMute.FaultCode Celll 3 Exit LC Muting	0	DINT	
Cell3ExitLCMute.DiagnosticCode Celll 3 Exit LC Muting	32	DINT	
Cell3GateSW		REDUNDANT_INPUT	AdvManLab
Cell 3 Entry Gate Switch	M -		
Constant External Access:	No Read/Write		
External Access:  Cell3GateSW - SafetyProgram  EVEStopsAna			
Cell3GateSW.EnableIn	1	BOOL	
Cell 3 Entry Gate Switch	•		
Cell3GateSW.ResetType Cell 3 Entry Gate Switch	0	BOOL	
The second second second			

AdvManLab (Controller) C:\Users\VRMILLING\Documents\control team manuals\Logic W2017\Separate branches\Jenny branch.ACD Cell3GateSW (Continued) Cell3GateSW.ChannelA 1 **BOOL** Cell 3 Entry Gate Switch Cell3GateSW.ChannelB **BOOL** Cell 3 Entry Gate Switch Cell3GateSW.CircuitReset **BOOL** 0 Cell 3 Entry Gate Switch Cell3GateSW.FaultReset 0 **BOOL** Cell 3 Entry Gate Switch Cell3GateSW.EnableOut **BOOL** Cell 3 Entry Gate Switch Cell3GateSW.O1 **BOOL** Cell 3 Entry Gate Switch Cell3GateSW.O1 - SafetyProgram 
☐/Cell 3 - 0(XIC) Cell3GateSW.CI **BOOL** Cell 3 Entry Gate Switch 0 Cell3GateSW.CRHO **BOOL** Cell 3 Entry Gate Switch Cell3GateSW.II 0 **BOOL** Cell 3 Entry Gate Switch 0 Cell3GateSW.FP **BOOL** Cell 3 Entry Gate Switch CircuitReset 0 **BOOL** AdvManLab Constant No Read/Write External Access: CircuitResetSafe - SafetyProgram (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 CircuitReset Mapped With: External Access: Read/Write CircuitResetSafe - SafetyProgram (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 Read/Write External Access: Cloud R1Z Timer - MainProgram/Cloud\_Team\_ZZ - \*1(TON) Cloud R1Z Timer.DN **BOOL** Cloud R1Z Timer.DN - MainProgram/Cloud Team ZZ - 2(XIC)

AdvManLab (Controller)

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Cloud R2Z TagPresent 0 **BOOL** AdvManLab Constant No Read/Write External Access: 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 **BOOL** Cloud R2Z Timer.DN - MainProgram/Cloud Team ZZ - 5(XIC) Cloud\_R3Z TagPresent 0 AdvManLab **BOOL** 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 **BOOL** Cloud R3Z Timer.DN - MainProgram/Cloud Team ZZ - 8(XIC) Cloud R4Z TagPresent **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 Read/Write External Access: Cloud R4Z Timer - MainProgram/Cloud Team ZZ - \*10(TON) Cloud R4Z Timer.DN **BOOL** Cloud R4Z Timer.DN - MainProgram/Cloud Team ZZ - 11(XIC) **I** 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 **BOOL** Cloud R5Z Timer.DN - MainProgram/Cloud Team ZZ - 14(XIC)

Cloud_R6Z_TagPresent Constant External Access: Cloud_R6Z_TagPresent - MainProgram/Cloud_R6Z_TagPresent	0 No Read/Write oud_Team_ZZ - *15(OTL), *17(OTU), 16(XIC)	BOOL	AdvManLab
Cloud_R6Z_Timer Constant External Access:	No Read/Write	TIMER	AdvManLab
Cloud_R6Z_Timer - MainProgram/Cloud_' Cloud_R6Z_Timer.DN Cloud_R6Z_Timer.DN - MainProgram/Clot	0	BOOL	
CNC_1_Done CNC 1 has completed cutting the part Constant External Access: CNC_1_Done - MainProgram/Cell_1_ZZ- CNC_1_Done - MainProgram/RFID_1_JW	0  No Read/Write *0(OTU), *10(OTL), *15(OTU), 12(XIC), 13(XIO) V_ZZ - *20(OTU)	BOOL	AdvManLab
CNC_1_ProgToRun Constant External Access: CNC_1_ProgToRun - MainProgram/CNC1	4 No Read/Write - 5(MOV)	DINT	AdvManLab
CNC_2_Done CNC 2 has completed cutting the part Constant External Access: CNC_2_Done - MainProgram/Cell_1_ZZ - CNC_2_Done - MainProgram/RFID_1_JW	0  No Read/Write *0(OTU), *11(OTL), *14(OTU), 12(XIC), 13(XIO) /_ZZ - *20(OTU)	BOOL	AdvManLab
G-Code Program Number for CNC to run T Constant External Access: CNC_2_ProgToRun - MainProgram/CNC2	No Read/Write	DINT	AdvManLab
CNC_3_Done CNC 3 has completed cutting the part Constant External Access: CNC_3_Done - MainProgram/Cell_2_ZZ- CNC_3_Done - MainProgram/RFID_BU-	0  No Read/Write *0(OTU), *11(OTU), *7(OTL), 10(XIO), 9(XIC) *16(OTU)	BOOL	AdvManLab
CNC_3_ProgToRun G-code program number to be paassed to C Constant External Access:	3 NC to run No Read/Write	DINT	AdvManLab

CNC_3_ProgToRun (Continued) CNC_3_ProgToRun - MainProgram/CNC.	3 - 6(MOV)		
I CNC_4_Done	0	BOOL	AdvManLab
CNC 4 has completed cutting the part	•		
Constant	No		
External Access:	Read/Write		
	- *0(OTU), *12(OTU), *8(OTL), 10(XIO), 9(XIC)		
CNC_4_Done - MainProgram/RFID_BU			
CNC_4_ProgToRun	14	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
CNC_4_ProgToRun - MainProgram/CNC	4 - 5(MOV)		
CNC1_Door		REDUNDANT_INPUT	AdvManLab
CNC1 Door Switch			
Constant	No		
External Access:	Read/Write		
CNC1_Door - SafetyProgram 📮/EStopsA	ndGates - *9(RIN)		
CNC1_Door.EnableIn CNC1 Door Switch	1	BOOL	
CNC1 Door.ResetType	0	BOOL	
CNC1 Door Switch	O .	BOOL	
CNC1 Door.ChannelA	0	BOOL	
CNC1 Door Switch	O .	BOOL	
CNC1 Door.ChannelB	0	BOOL	
CNC1 Door Switch	V	BOOL	
CNC1 Door.CircuitReset	0	BOOL	
CNC1 Door Switch	v	2002	
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 - O(XIC)		
CNC1 Door.O1 - SafetyProgram 🗐 EStop	os And Gates - 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			
SCNC1_EStop		EMERGENCY_STOP	AdvManLab

CNC1_EStop (Continued)	
Constant	No
External Access:	Read/Write

CNC1_LC		LIGHT_CURTAIN	AdvManLab
CNC1 to Cell 1 Light Screen			
Constant	No		
External Access:	Read/Write		
CNC1_LC - SafetyProgram 🗐/ESto	psAndGates - *9(LC)	7007	
CNC1_LC.EnableIn	l	BOOL	
CNC1 to Cell 1 Light Screen	2	DOOL	
CNC1_LC.ResetType	0	BOOL	
CNC1 to Cell 1 Light Screen	1	DOOL	
CNC1_LC.ChannelA	I	BOOL	
CNC1 to Cell 1 Light Screen	1	DOOL	
CNC1_LC.ChannelB	I	BOOL	
CNC1 to Cell 1 Light Screen	0	DOOL	
CNC1_LC.MuteLightCurtain	0	BOOL	
CNC1 to Cell 1 Light Screen	0	DOOL	
CNC1_LC.CircuitReset CNC1 to Cell 1 Light Screen	U	BOOL	
CNC1 to Cen 1 Light Screen  CNC1 LC.FaultReset	0	BOOL	
CNC1 to Cell 1 Light Screen	U	BOOL	
CNC1 to Cen 1 Light Screen  CNC1 LC.InputFilterTime	0	DINT	
CNC1 to Cell 1 Light Screen	U	DINI	
CNC1 LC.EnableOut	1	BOOL	
CNC1 to Cell 1 Light Screen	1	BOOL	
CNC1 LC.01	1	BOOL	
CNC1 to Cell 1 Light Screen	1	BOOL	
CNC1_LC.O1 - SafetyProgram 🗐/C	Cell = 1 - O(XIC)		
CNC1 LC.CI	0	BOOL	
CNC1 to Cell 1 Light Screen	V	BOOL	
CNC1 LC.CRHO	0	BOOL	
CNC1 to Cell 1 Light Screen	v	BOOL	
CNC1 LC.LCB	0	BOOL	
CNC1 to Cell 1 Light Screen	· ·	2002	
CNC1 LC.LCM	0	BOOL	
CNC1 to Cell 1 Light Screen	v	2002	
CNC1 LC.II	0	BOOL	
CNC1 to Cell 1 Light Screen	· ·	2002	
CNC1 LC.FP	0	BOOL	
CNC1 to Cell 1 Light Screen			
<b>□</b> CNC1Bools	0	DINT	AdvManLab
Constant	No	DIMI	AdvivianLau
External Access:	Read/Write		
CNC1Bools.0	0	BOOL	
CITCI DUUIS.U	U	BOOL	

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

_ CNC2_Door		REDUNDANT_INPUT	AdvManLab
CNC2 Door Switch		_	
Constant	No		
External Access:	Read/Write		
CNC2_Door - SafetyProgram 🗐/ES	topsAndGates - *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		Po of	
CNC2_Door.ChannelB	1	BOOL	
CNC2 Door Switch	0	DOOL	
CNC2_Door.CircuitReset	0	BOOL	
CNC2 Door Switch	0	DOOL	
CNC2_Door.FaultReset	0	BOOL	
CNC2 Door Switch	1	DOOL	
CNC2_Door.EnableOut CNC2 Door Switch	1	BOOL	
CNC2 Door Switch  CNC2 Door.O1	1	BOOL	
CNC2_Door.O1 CNC2 Door Switch	1	DOOL	
CNC2 Door.O1 - SafetyProgram	$V(C_0) = V(V(C))$		
CNC2_Door.O1 - SafetyFrogram  CNC2 Door.O1 - SafetyProgram			
CNC2_Door.CI	()	BOOL	
CNC2 Door Switch	U	DOOL	
CNC2_Door.CRHO	0	BOOL	
CNC2 Door Switch	U	BOOL	
CNC2 Door.II	0	BOOL	
CNC2 Door Switch	U	BOOL	
CNC2 Door.FP	0	BOOL	
CNC2 Door Switch	V	BOOL	
CIVEZ BOOI SWILCH			
- CNC2_EStop		EMERGENCY_STOP	AdvManLab
Constant	No	EMERICE (C. 1_5101	114 (1)1411240
External Access:	Read/Write		
CNC2 EStop - SafetyProgram 🗐/ES			
errez_Estop sayetyrrogram	stops://www.dutes 3(ESTOT)		
┛ CNC2 LC		LIGHT_CURTAIN	AdvManLab
CNC2 to Cell 1 Light Screen			5-40,5-5465-410
Constant	No		
External Access:	Read/Write		
CNC2_LC - SafetyProgram 🗐/EStop	psAndGates - *10(LC)		
CNC2 LC.EnableIn	1	BOOL	
CNC2 to Cell 1 Light Screen			
CNC2 LC.ResetType	0	BOOL	

CNC2\_LC (Continued)

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	—

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 🗐/0	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			
el			
CNC2Bools	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write	DOOL	
CNC2Bools.0	0	BOOL	
CNC2Bools.0 - MainProgram/CNC.	2 - *0(ONS)		
I CNCA P		DEDITIO AND INDICE	A 1 No. T. 1
CNC3_Door		REDUNDANT_INPUT	AdvManLab
CNC3 Door Switch	NT		
Constant	No		
External Access:	Read/Write		
CNC3_Door - SafetyProgram	nopsAnaGates - *15(KIN)	DOOL	
CNC3 Door Switch	1	BOOL	
CNC3 Door Switch	0	DOOL	
CNC3_Door.ResetType CNC3 Door Switch	0	BOOL	
	0	BOOL	
CNC3_Door.ChannelA	U	DUUL	
			Logiy Dog
			Logar Dog

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CNC3 Door (Continued)			
CNC3_Door (Continued) CNC3 Door Switch			
CNC3 Door.ChannelB	0	BOOL	
CNC3 Door Switch	V	BOOL	
CNC3 Door.CircuitReset	0	BOOL	
CNC3 Door Switch	V	BOOL	
CNC3 Door.FaultReset	0	BOOL	
CNC3 Door Switch	, and the second	2002	
CNC3 Door.EnableOut	1	BOOL	
CNC3 Door Switch			
CNC3 Door.O1	0	BOOL	
CNC3 Door Switch			
CNC3 Door.O1 - SafetyProgram 🛚	<b>i</b> √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	EMERGENCI_STOI	Adviviantau
External Access:	Read/Write		
CNC3 EStop - SafetyProgram 🗐/E			
encestop sayety1 reg. a.m	sateparina dates (ESTOT)		
I CNC3 LC		LIGHT_CURTAIN	AdvManLab
CNC3 to Cell 2 Light Screen		<del>-</del>	
Constant	No		
External Access:	Read/Write		
CNC3_LC - SafetyProgram 📮/ESto	opsAndGates - *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	_	D007	
CNC3_LC.ChannelB	1	BOOL	
CNC3 to Cell 2 Light Screen	0	DOOL	
CNC3_LC.MuteLightCurtain	0	BOOL	
CNC3 to Cell 2 Light Screen	0	DOOL	
CNC3_LC.CircuitReset	0	BOOL	
CNC3 to Cell 2 Light Screen CNC3 LC.FaultReset	0	BOOL	
CNC3_LC.FaultReset CNC3 to Cell 2 Light Screen	U	DUUL	
CNC3 to Cen 2 Light Screen CNC3 LC.InputFilterTime	0	DINT	
CIACS_ECAMPUM INCITING	v	DIM	

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_			
CNC3_LC.CI	0	BOOL	
CNC3 to Cell 2 Light Screen		POOL	
CNC3_LC.CRHO	0	BOOL	
CNC3 to Cell 2 Light Screen	0	DOOL	
CNC3_LC.LCB	0	BOOL	
CNC3 to Cell 2 Light Screen CNC3 LC.LCM	0	BOOL	
CNC3_EC.ECM  CNC3 to Cell 2 Light Screen	U	BOOL	
CNC3 LC.II	0	BOOL	
CNC3 to Cell 2 Light Screen	O .	BOOL	
CNC3 LC.FP	0	BOOL	
CNC3 to Cell 2 Light Screen	·	2002	
<b>□</b> CNC3Bools	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
CNC3Bools.0	0	BOOL	
CN(C2D - 1 - 0 - 14 + D - 1 - 12C2 + 12C2	(OVC)		
CNC3Bools.0 - MainProgram/CNC3 - *	$\mathcal{U}(ONS)$		
	0(ONS)	DEDITION ANT INDUST	A 1 M T 1
_1 CNC4_Door	O(ONS)	REDUNDANT_INPUT	AdvManLab
CNC4_Door CNC4 Door Switch		REDUNDANT_INPUT	AdvManLab
CNC4_Door CNC4 Door Switch Constant	No	REDUNDANT_INPUT	AdvManLab
CNC4_Door CNC4 Door Switch Constant External Access:	No Read/Write	REDUNDANT_INPUT	AdvManLab
CNC4_Door  CNC4 Door Switch  Constant  External Access:  CNC4_Door - SafetyProgram □/EStops	No Read/Write		AdvManLab
CNC4_Door  CNC4 Door Switch  Constant  External Access:  CNC4_Door - SafetyProgram EStops  CNC4_Door.EnableIn	No Read/Write	REDUNDANT_INPUT BOOL	AdvManLab
CNC4_Door  CNC4 Door Switch  Constant  External Access:  CNC4_Door - SafetyProgram  (EStops)  CNC4_Door.EnableIn  CNC4_Door Switch	No Read/Write sAndGates - *16(RIN) 1	BOOL	AdvManLab
CNC4_Door  CNC4 Door Switch  Constant  External Access:  CNC4_Door - SafetyProgram EStops  CNC4_Door.EnableIn	No Read/Write		AdvManLab
CNC4_Door  CNC4 Door Switch  Constant  External Access:  CNC4_Door - SafetyProgram  (EStops)  CNC4_Door.EnableIn  CNC4_Door.Switch  CNC4_Door.ResetType  CNC4_Door Switch	No Read/Write sAndGates - *16(RIN) 1	BOOL	AdvManLab
CNC4_Door  CNC4 Door Switch  Constant  External Access:  CNC4_Door - SafetyProgram  (EStops)  CNC4_Door.EnableIn  CNC4_Door Switch  CNC4_Door.ResetType	No Read/Write sAndGates - *16(RIN) 1	BOOL BOOL	AdvManLab
CNC4_Door  CNC4 Door Switch  Constant  External Access:  CNC4_Door - SafetyProgram E/EStops  CNC4_Door.EnableIn  CNC4 Door.ResetType  CNC4_Door.Switch  CNC4_Door.ChannelA  CNC4_Door.Switch  CNC4_Door.ChannelA	No Read/Write sAndGates - *16(RIN) 1	BOOL BOOL	AdvManLab
CNC4_Door  CNC4 Door Switch  Constant  External Access:  CNC4_Door SafetyProgram EStops  CNC4_Door.EnableIn  CNC4_Door.ResetType  CNC4_Door.ResetType  CNC4_Door.ChannelA  CNC4_Door.Switch  CNC4_Door.ChannelB  CNC4_Door.ChannelB  CNC4_Door.Switch	No Read/Write sAndGates - *16(RIN)  1  0	BOOL BOOL BOOL	AdvManLab
CNC4_Door  CNC4 Door Switch  Constant  External Access:  CNC4_Door SafetyProgram  E/EStops  CNC4_Door.EnableIn  CNC4_Door.ResetType  CNC4_Door.ChannelA  CNC4_Door.ChannelB  CNC4_Door.ChannelB  CNC4_Door.CircuitReset	No Read/Write sAndGates - *16(RIN)  1  0	BOOL BOOL BOOL	AdvManLab
CNC4_Door CNC4 Door Switch Constant External Access: CNC4_Door - SafetyProgram  (EStops: CNC4_Door.EnableIn CNC4_Door.ResetType CNC4_Door.ResetType CNC4_Door.ChannelA CNC4_Door.ChannelB CNC4_Door.ChannelB CNC4_Door.CircuitReset CNC4_Door.CircuitReset	No     Read/Write sAndGates - *16(RIN)     1     0     0     0     0     0	BOOL BOOL BOOL BOOL	AdvManLab
CNC4_Door CNC4 Door Switch Constant External Access: CNC4_Door - SafetyProgram  E/EStops CNC4_Door.EnableIn CNC4_Door.Switch CNC4_Door.ResetType CNC4_Door.ChannelA CNC4_Door.ChannelB CNC4_Door.ChannelB CNC4_Door.CircuitReset CNC4_Door.FaultReset	No Read/Write sAndGates - *16(RIN)  1  0  0	BOOL BOOL BOOL	AdvManLab
CNC4_Door CNC4 Door Switch Constant External Access: CNC4_Door - SafetyProgram  (EStops) CNC4_Door.EnableIn CNC4 Door Switch CNC4_Door.ResetType CNC4 Door Switch CNC4_Door.ChannelA CNC4_Door.ChannelB CNC4_Door.ChannelB CNC4_Door.CircuitReset CNC4_Door.FaultReset CNC4_Door.FaultReset CNC4_Door.FaultReset	No     Read/Write sAndGates - *16(RIN)     1     0     0     0     0     0	BOOL BOOL BOOL BOOL BOOL BOOL	AdvManLab
CNC4_Door  CNC4 Door Switch  Constant  External Access:  CNC4_Door - SafetyProgram  (EStops)  CNC4_Door.EnableIn  CNC4 Door.ResetType  CNC4_Door.ResetType  CNC4_Door.ChannelA  CNC4_Door.ChannelB  CNC4_Door.ChannelB  CNC4_Door.CircuitReset  CNC4_Door.FaultReset  CNC4_Door.FaultReset  CNC4_Door.Switch	No     Read/Write sAndGates - *16(RIN)     1     0     0     0     0     0	BOOL BOOL BOOL BOOL	AdvManLab
CNC4_Door  CNC4_Door Switch  Constant  External Access:  CNC4_Door - SafetyProgram  (EStops)  CNC4_Door.EnableIn  CNC4_Door.ResetType  CNC4_Door.ResetType  CNC4_Door.ChannelA  CNC4_Door.ChannelB  CNC4_Door.ChannelB  CNC4_Door.CircuitReset  CNC4_Door.Switch  CNC4_Door.Switch  CNC4_Door.Switch  CNC4_Door.Switch  CNC4_Door.Switch  CNC4_Door.Switch  CNC4_Door.Switch  CNC4_Door.FaultReset  CNC4_Door.EnableOut  CNC4_Door.EnableOut	No Read/Write sAndGates - *16(RIN)  1  0  0  0  0  1	BOOL BOOL BOOL BOOL BOOL BOOL BOOL	AdvManLab
CNC4_Door  CNC4_Door Switch  Constant  External Access:  CNC4_Door - SafetyProgram  (EStops)  CNC4_Door.EnableIn  CNC4_Door.ResetType  CNC4_Door.ResetType  CNC4_Door.ChannelA  CNC4_Door.ChannelB  CNC4_Door.ChannelB  CNC4_Door.CircuitReset  CNC4_Door.FaultReset  CNC4_Door.FaultReset  CNC4_Door.EnableOut  CNC4_Door.Switch	No     Read/Write sAndGates - *16(RIN)     1     0     0     0     0     0	BOOL BOOL BOOL BOOL BOOL BOOL	AdvManLab
CNC4_Door  CNC4_Door Switch  Constant  External Access:  CNC4_Door - SafetyProgram  (EStops)  CNC4_Door.EnableIn  CNC4_Door.ResetType  CNC4_Door.ResetType  CNC4_Door.ChannelA  CNC4_Door.ChannelB  CNC4_Door.ChannelB  CNC4_Door.CircuitReset  CNC4_Door.Switch  CNC4_Door.Switch  CNC4_Door.Switch  CNC4_Door.Switch  CNC4_Door.Switch  CNC4_Door.Switch  CNC4_Door.Switch  CNC4_Door.FaultReset  CNC4_Door.EnableOut  CNC4_Door.EnableOut	No Read/Write SAndGates - *16(RIN)  1  0  0  0  0  1  0	BOOL BOOL BOOL BOOL BOOL BOOL BOOL	AdvManLab

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CNC4_Door (Continued)	M/DG: 4 1G : 14/1/G)		
CNC4_Door.O1 - SafetyProgram	4	DOOL	
CNC4_Door.CI	0	BOOL	
CNC4 Door Switch	0	DOOL	
CNC4_Door.CRHO CNC4 Door Switch	0	BOOL	
CNC4 Door.II	0	BOOL	
CNC4 Door Switch	V	BOOL	
CNC4 Door.FP	0	BOOL	
CNC4 Door Switch	· ·	2002	
CNC4_EStop		EMERGENCY_STOP	AdvManLab
Constant	No	<del>-</del>	
External Access:	Read/Write		
CNC4_EStop - SafetyProgram 🗐/E	StopsAndGates - *3(ESTOP)		
₫ CNC4_LC		LIGHT_CURTAIN	AdvManLab
CNC4 to Cell 2 Light Screen			
Constant	No		
External Access:	Read/Write		
CNC4_LC - SafetyProgram 📮/ESto	psAndGates - *16(LC)		
CNC4_LC.EnableIn	1	BOOL	
CNC4 to Cell 2 Light Screen			
CNC4_LC.ResetType	0	BOOL	
CNC4 to Cell 2 Light Screen		DOOL	
CNC4_LC.ChannelA	I	BOOL	
CNC4 to Cell 2 Light Screen	1	DOOL	
CNC4 to Call 2 Light Sorger	1	BOOL	
CNC4 to Cell 2 Light Screen CNC4_LC.MuteLightCurtain	0	BOOL	
CNC4 to Cell 2 Light Screen	U	BOOL	
CNC4 to Cen 2 Light Selech  CNC4 LC.CircuitReset	0	BOOL	
CNC4 to Cell 2 Light Screen	v	BOOL	
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 🗐/0	Cell_2 - 0(XIC)		
CNC4_LC.CI	0	BOOL	
CNC4 to Cell 2 Light Screen	0	DOOL	
CNC4_LC.CRHO	0	BOOL	
CNC4 to Cell 2 Light Screen	0	DOOL	
CNC4_LC.LCB CNC4 to Cell 2 Light Screen	0	BOOL	
CNC4 to Cell 2 Light Screen			

AdvManLab (Controller) 10/7/2017 3:55:21 PM C:\Users\VRMILLING\Documents\control team manuals\Logic W2017\Separate branches\Jenny branch.ACD 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 **BOOL** CNC4Bools.0 - MainProgram/CNC4 - \*0(ONS) Comm Fault Sts Timer1 AdvManLab TIMER Constant No External Access: Read/Write Comm Fault Sts Timer1 - MainProgram/Cell 1 2 VFD - \*4(TON) Comm Fault Sts Timer1.DN **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 **BOOL** Comm Fault Sts Timer2.DN - MainProgram/Cell 3 VFD - 2(XIC), 4(XIO) Comm Status1 AdvManLab 16384 DINT Constant No External Access: Read/Write Comm Status 1 - MainProgram/Cell 1 2 VFD - \*2(GSV), 3(MOV) 1 Comm Status2 16384 DINT AdvManLab Constant No External Access: Read/Write Comm Status2 - MainProgram/Cell 3 VFD - \*2(GSV), 3(MOV) **■** ContinuousRunCase **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 **BOOL** Conv N053:1:I.ConnectionFaulted - SafetyProgram Map Inputs - 17(XIO)

Conv N053:1:I (Continued)			
Conv_N053:1:1 (Continued) Conv_N053:1:I.Pt00Data	0	BOOL	
Conv N053:1:1.Ft00Data - SafetyProgram	Man Innuts 17(VIC)	BOOL	
Conv N053:1:I.Pt01Data	ΨΜαρ_Inpuis - 17(ΔIC)	BOOL	
		BOOL	
Conv_N053:1:1.Pt01Data - SafetyProgram	VMap_Inputs - 1/(XIC)	DOOL	
Conv_N053:1:I.Pt02Data	0	BOOL	
Conv_N053:1:I.Pt02Data - SafetyProgram 🖺	VMap_Inputs - 17(XIC)		
Conv_N053:1:I.Pt03Data	0	BOOL	
Conv_N053:1:I.Pt03Data - SafetyProgram 📙	VMap_Inputs - 17(XIC)		
Conv_N053:1:I.Pt04Data	0	BOOL	
Conv_N053:1:I.Pt04Data - SafetyProgram 📮	VMap_Inputs - 17(XIC)		
Conv_N053:1:I.Pt05Data	0	BOOL	
Conv N053:1:I.Pt05Data - SafetyProgram 📙	VMap 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)		
1 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 N053:3:1.0	0	BOOL	
C2 Entry RFID2	U	BOOL	
PPX2 - MainProgram/Cell_2_ZZ - 1(XIC)	0	DOOL	
Conv_N053:3:I.1	0	BOOL	
C1 Inside RFID3	(111.0)		
PPX3 - MainProgram/Cell_2_ZZ - 2(XIO), 5(	_	2007	
Conv_N053:3:I.2	0	BOOL	
C2 exit RFID4			
PPX4 - MainProgram/Cell_1_ZZ - 1(XIC)			
PPX4 - MainProgram/Map_Inputs - 1(XIC)			
D 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)			
1 DeBounce1		TIMER	AdvManLab
Constant	No		
External Access:	Read/Write		

DeBounce1 (Continued)  DeBounce1 - MainProgram/Cell_1_ZZ - *4(Tolday)  DeBounce1.DN  DeBounce1.DN - MainProgram/Cell_1_ZZ - *4	0	BOOL	
DeBounce2 Constant External Access: DeBounce2 - MainProgram/Cell 1 ZZ - *8(1)	No Read/Write	TIMER	AdvManLab
<b>DeBounce2.DN</b> DeBounce2.DN - MainProgram/Cell_1_ZZ -	0	BOOL	
DeBounce3 Constant External Access: DeBounce3 - MainProgram/Cell_2_ZZ - *1(1)	No Read/Write TON)	TIMER	AdvManLab
<b>DeBounce3.DN</b> DeBounce3.DN - MainProgram/Cell_2_ZZ -	0 2(XIC)	BOOL	
DeBounce4 Constant External Access: DeBounce4 - MainProgram/Cell_2_ZZ - *5(1)	No Read/Write TON)	TIMER	AdvManLab
DeBounce4.DN  DeBounce4.DN - MainProgram/Cell_2_ZZ -	0	BOOL	
DeBounceC23DivHoldBack Constant External Access: DeBounceC23DivHoldBack - MainProgram/o	No Read/Write Cell 1 ZZ - *1(TON)	TIMER	AdvManLab
<b>DeBounceC23DivHoldBack.TT</b> DeBounceC23DivHoldBack.TT - MainProgra	0	BOOL	
Dry_Cycle Constant External Access: Dry_Cycle - MainProgram/Cell_1_2_VFD - 2 Dry_Cycle - MainProgram/System - 4(XIC)	0 No Read/Write 7(XIC)	BOOL	AdvManLab
Dry_Cycle_Safe Constant Mapped With: External Access: Dry_Cycle - MainProgram/Cell_1_2_VFD - 2 Dry_Cycle - MainProgram/System - 4(XIC)	0 No Dry_Cycle Read/Write 7(XIC)	BOOL	AdvManLab
<b>Enable_Cell_3</b> Turn bit on to enable logic for Cell 3	0	BOOL	AdvManLab

Enable_Cell_3 (Continued) Constant External Access: Enable_Cell_3 - MainProgram/MainRoutine Enable_Cell_3 - MainProgram/RFID - 0(XIC)			
Enable_CNC1 Constant External Access: Enable_CNC1 - MainProgram/MainRoutine	1 No Read/Write - 6(XIC)	BOOL	AdvManLab
Enable_CNC2 Constant External Access: Enable_CNC2 - MainProgram/MainRoutine	1 No Read/Write - 7(XIC)	BOOL	AdvManLab
Enable_CNC3 Constant External Access: Enable_CNC3 - MainProgram/MainRoutine	1 No Read/Write - 8(XIC)	BOOL	AdvManLab
Enable_CNC4 Constant External Access: Enable_CNC4 - MainProgram/MainRoutine	1 No Read/Write - <i>9(XIC)</i>	BOOL	AdvManLab
Enable_Process_Update Constant External Access: Enable_Process_Update - MainProgram/RFI	0 No Read/Write ID_BU - 7(XIC), 8(XIO), 9(XIO)	BOOL	AdvManLab
EnableBits Constant External Access:	63 No Read/Write	DINT	AdvManLab
EnableBits.0	1 , *3(OTL), *4(OTL), *5(OTU), *6(OTL), *7(OTL)	BOOL BOOL	
EnableBits.1 - MainProgram/HMI - *2(OTU) EnableBits.2	1, *3(OTL), *4(OTL), *5(OTL), *6(OTL), *7(OTL) 1, *3(OTU), *4(OTL), *5(OTL), *6(OTL), *7(OTL)	BOOL	
Fanuc_Loop_Conv_ES_Ch1 Cell 1/2 Conveyor Pull Cord / E-Stop Ch1 Constant External Access: Fanuc_Loop_Conv_ES_Ch1 - SafetyProgram Fanuc_Loop_Conv_ES_Ch1 - SafetyProgram		BOOL	AdvManLab

Fanuc_Loop_Conv_ES_Ch2 Cell 1/2 Conveyor Pull Cord / E-Stop Ch2 Constant	1 No	BOOL	AdvManLab
External Access:	Read/Write		
Fanuc Loop Conv ES Ch2 - SafetyProgra			
Fanuc_Loop_Conv_ES_Ch2 - SafetyProgra			
₫ Fanuc_Loop_Conv_Safety_OK	1	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
Fanuc_Loop_Conv_Safety_OK - SafetyProg Fanuc_Loop_Conv_Safety_OK - SafetyProg			
	rum wyEsiopsAnaGates - 21(O1E)		
Fanuc_Loop_Speed	0	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
Fanuc_Loop_Speed - MainProgram/HMI -			
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 P			
Fanuc_Rbt_C1:I.Data[0].0 - MainProgram			
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 P			
Fanuc_Rbt_C1:I.Data[0].1 - MainProgram			
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 Pro	gram 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 Pro	gram 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 Pro			
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 Pro			
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	3]		

AdvManLab (Controller)

	C:\Users\VRMILLING\Documents\control_team_manuals\Logic W2017\Separate branches\Jo
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	BOOL
Robot has completed picking up part DI[9]	BOOL
Fanuc Rbt C1:I.Data[0].8 - MainProgram/CNC1 - 3(XIC), 4(XIC)	
Fanuc Rbt C1:I.Data[0].9	BOOL
Robot is dropping off part DI[10]	BOOL
Fanuc Rbt C1:I.Data[0].9 - MainProgram/CNC1 - 3(XIC), 3(XIO)	
Fanuc Rbt C1:I.Data[0].10	BOOL
Cell 1 Robot is at Hold Position (CNC2) DO[11]	BOOL
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]	BOOL
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]	BOOL
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]	BOOL
Fanuc Rbt C1:I.Data[0].13 - MainProgram/CNC2 - 3(XIC), 3(XIO)	
Fanue Rbt C1:I.Data[0].14	BOOL
Flip Part Program running DO[15]	BOOL
Fanuc Rbt C1:I.Data[0].14 - MainProgram/Cell 1 ZZ - 19(XIC)	
Fanuc Rbt C1:I.Data[0].15	BOOL
Flipping Part Program is Running DO[16]	BOOL
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]	BOOL
Fanuc Rbt C1:I.Data[1].0 - MainProgram/Cell 1 ZZ - 13(XIC)	
Tunuc_Koi_C1.1.Duiu[1].0 - Muini 10g/uin/Ceii_1_EE - 13(AIC)	
J 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	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(C	OTU), *9(OTL)
Fanuc Rbt C1:O.Data[0].0 - MainProgram/CNC2 - 0(XIC)	
Fanuc Rbt C1:0.Data[0].1	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(C	OTU), *9(OTL)
Fanuc Rbt C1:O.Data[0].1 - MainProgram/CNC1 - 0(XIC)	
Fanuc Rbt C1:0.Data[0].2	BOOL
Pick from CNC2 and Drop on conveyor DI[3]	
Fanuc_Rbt_C1:O.Data[0].2 - MainProgram/Cell_1_ZZ - *0(OTU), *12(C	OTL), *18(OTU)
Fanuc Rbt C1:0.Data[0].3	BOOL
Pick from CNC1 and Drop on conveyor DI[4]	
Fanuc_Rbt_C1:O.Data[0].3 - MainProgram/Cell_1_ZZ - *0(OTU), *12(C	OTL), *18(OTU)
Fanuc_Rbt_C1:O.Data[0].4	BOOL

Flip part to machine top of cabintrusts D[[5]   Fanue, Rbt. (C1-O Data[0] + Anisitrograms(C01_ZZ + *0(OTO), *18(OTO), *9(OTO)   BOOL	Fanuc_Rbt_C1:O (Continued)			
Fanue, Rbt. C1:O.Data[0].6	Flip part to machine top of cabin/trunk DI[5	]		
Fanue, Rbt. C1:O.Data[0].6				
Cell   Robot OK to Continue   D  7    Fanue, Rbt.   C1-Data  0    AdamProgramsCNC1 - *3(OTE)   ROOI.			BOOL	
Fanue Rbt. C1-O Data[0] 6 - MainProgramsCNC1 - "3(OTE) Fanue Rbt. C1-O Data[0] 7 - MainProgramsCNC2 - "3(OTE), 4(NIC)  Fanue Rbt. C1-O Data[0] 7 - MainProgramsCNC2 - "3(OTE), 4(NIC)  Fanue Rbt. C2-1  Constant No External Access: Read-Write Fanue Rbt. C2-1Data[0] 0 - MainProgramsCNC1 2 ZZ - 10(XIC), 11(XIC) Fanue Rbt. C2-1Data[0] 0 - MainProgramsCNC1 2 ZZ - 10(XIC), 11(XIC) Fanue Rbt. C2-1Data[0] 1 - MainProgramsColl 2 ZZ - 10(XIC), 11(XIC) Fanue Rbt. C2-1Data[0] 1 - MainProgramsColl 2 ZZ - 10(XIC), 12(XIC) Fanue Rbt. C2-1Data[0] 2 - MainProgramsColl 2 ZZ - 10(XIC), 12(XIC) Fanue Rbt. C2-1Data[0] 2 - MainProgramsColl 2 ZZ - 10(XIC), 12(XIC) Fanue Rbt. C2-1Data[0] 3 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 4 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 4 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 4 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 4 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 4 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 4 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 4 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 5 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 6 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 6 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 6 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 6 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 6 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 6 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 7 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 8 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 9 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 9 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 9 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 1 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 1 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 1 - MainProgramsColl 2 ZZ - 10(XIC) Fanue Rbt. C2-1Data[0] 1 - MainProgramsCo				
Fanue, Rbt. C2:1Data[0]:7		n/CNC1 - *3(OTE)		
Cell   Robot OK to Continue (CNC2) D1[8]		0	BOOL	
Fanue, Rbt. C2:10				
Fanuc Rbt. C2:1				
Constant	1 www_1101_011012 www[0]1// 171wwi1 108/ www	(012), (Inte)		
Constant	Fanue Rbt C2:I		AB:ETHERNET MODULE INT 16Bytes:I:0	AdvManLab
Esternal Access		No		
Fanue Rbt C2:LData[0].0 - MainProgram/Cell _ ZZ - 10(XIC), 11(XIC)   BOOL     Fanue Rbt C2:LData[0].1 - MainProgram/Cell _ ZZ - 10(XIC), 12(XIC)     Fanue Rbt C2:LData[0].2 - MainProgram/Cell _ ZZ - 10(XIC), 12(XIC)     Fanue Rbt C2:LData[0].2 - MainProgram/Cell _ ZZ - 10(XIC), 12(XIC)     Fanue Rbt C2:LData[0].3 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].3 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].3 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].3 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].3 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].4 - 0   BOOL     Pick from CNC3 and Drop on Conveyor Program running DO[5]     Fanue Rbt C2:LData[0].4 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].5 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].5 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].5 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].6 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].7 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].6 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].7 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].7 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].8 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].8 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].8 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].8 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].8 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].9 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].1 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].1 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].1 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].1 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].1 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].1 - MainProgram/Cell _ ZZ - 16(XIC)     Fanue Rbt C2:LData[0].1 - MainProgram/Ce				
Fanue Rbt C2:LData[0].0 - MainProgram/Cell 2 ZZ - 10(XIC), 11(XIC)     Fanue Rbt C2:LData[0].1 - MainProgram/Cell 2 ZZ - 10(XIC), 12(XIC)     Fanue Rbt C2:LData[0].2 - MainProgram/Cell 2 ZZ - 10(XIC), 12(XIC)     Fanue Rbt C2:LData[0].2 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanue Rbt C2:LData[0].2 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanue Rbt C2:LData[0].3 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanue Rbt C2:LData[0].3 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanue Rbt C2:LData[0].3 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanue Rbt C2:LData[0].4 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanue Rbt C2:LData[0].4 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanue Rbt C2:LData[0].4 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanue Rbt C2:LData[0].5 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanue Rbt C2:LData[0].5 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanue Rbt C2:LData[0].6 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanue Rbt C2:LData[0].6 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanue Rbt C2:LData[0].6 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanue Rbt C2:LData[0].6 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanue Rbt C2:LData[0].6 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanue Rbt C2:LData[0].7 - MainProgram/Cell 3 ZE - 16(XIC)     Fanue Rbt C2:LData[0].7 - MainProgram/Cell 3 ZE - 16(XIC)     Fanue Rbt C2:LData[0].7 - MainProgram/Cell 3 ZE - 16(XIC)     Fanue Rbt C2:LData[0].7 - MainProgram/Cell 3 ZE - 16(XIC)     Fanue Rbt C2:LData[0].8 - MainProgram/Cell 3 ZE - 16(XIC)     Fanue Rbt C2:LData[0].9 - MainProgram/Cell 3 ZE - 16(XIC)     Fanue Rbt C2:LData[0].9 - MainProgram/Cell 3 ZE - 16(XIC)     Fanue Rbt C2:LData[0].9 - MainProgram/Cell 4 ZE - 16(XIC)     Fanue Rbt C2:LData[0].9 - MainProgram/Cell 4 ZE - 16(XIC)     Fanue Rbt C2:LData[0].1 - MainProgram/Cell 3 ZE - 16(XIC)     Fanue Rbt C2:LData[0].1 - MainProgram/Cell 3 ZE - 16(XIC)     Fanue Rbt C2:LData[0].1 - MainProgram/Cell 3 ZE - 16(XIC)     Fanue Rbt C2:LData[0].1 - MainProgram/Cell 3 ZE - 16(XIC)     Fanue Rbt C2:LData[0].1 - MainProgram/Cell 3 ZE - 16(XIC)     Fanue Rbt C2:LData[0].1 - MainPro		0	BOOL	
Fanuc Rbt C2:LData[0]   - MainProgram/Cell _2 ZZ - 10(XIC)   12(XIC)     Fanuc Rbt C2:LData[0]   - MainProgram/Cell _2 ZZ - 10(XIC)     Fanuc Rbt C2:LData[0]   - MainProgram/Cell _3 (XIC)     Fanuc Rbt C2:LData[0]   - MainPr		(Cell 2 77 - 10(XIC) 11(XIC)	BOOL	
Fanuc Rbt. C2:1.Data[0].1 - MainProgram/Cell 2 ZZ - 10(XIC), 12(XIC)     Fanuc Rbt. C2:1.Data[0].2 - VainProgram running DO[3]     Fanuc Rbt. C2:1.Data[0].3 - MainProgram running DO[4]     Fanuc Rbt. C2:1.Data[0].3 - MainProgram running DO[4]     Fanuc Rbt. C2:1.Data[0].3 - MainProgram running DO[4]     Fanuc Rbt. C2:1.Data[0].3 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt. C2:1.Data[0].4 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt. C2:1.Data[0].4 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt. C2:1.Data[0].4 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt. C2:1.Data[0].4 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt. C2:1.Data[0].5 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt. C2:1.Data[0].6 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt. C2:1.Data[0].6 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt. C2:1.Data[0].6 - MainProgram/Coll 2 ZZ - 16(XIC)     Fanuc Rbt. C2:1.Data[0].6 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt. C2:1.Data[0].7 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt. C2:1.Data[0].7 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt. C2:1.Data[0].8 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt. C2:1.Data[0].9 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt. C2:1.Data[0].9 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt. C2:1.Data[0].10 - MainProgram/CNC3 - 3(XIC), 4(XIC)     Fanuc Rbt. C2:1.Data[0].11 - MainProgram/CNC3 - 4(XIC), 5(XIC)     Fanuc Rbt. C2:1.Data[0].11 - MainProgram/CNC3 - 5(XIC), 5(XIC)     Fanuc Rbt. C2:1.Data[0].11 - MainProgram/CNC3 - 5(XIC), 5(XIC)     Fanuc Rbt. C2:1.Data[0].11 - MainProgram/CNC3 - 5(XIC), 5(XIC)     Fanuc Rbt. C2:1.Data[0].11 - Main			ROOI	
Fanuc Rbt C2:1Data[0].2		·	DOOL	
Pick from Conveyor and Drop on CNC3 Program running DO[3]   Fanuc Rbt C2:LData[0], 2 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0], 3 - MainProgram running DO[4]     Fanuc Rbt C2:LData[0], 3 - MainProgram running DO[5]     Fanuc Rbt C2:LData[0], 4 - MainProgram running DO[5]     Fanuc Rbt C2:LData[0], 4 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0], 4 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0], 4 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0], 5 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0], 5 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0], 5 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0], 6 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt C2:LData[0], 6 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt C2:LData[0], 7 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt C2:LData[0], 7 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt C2:LData[0], 8 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt C2:LData[0], 8 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt C2:LData[0], 8 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt C2:LData[0], 9 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt C2:LData[0], 9 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt C2:LData[0], 10 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt C2:LData[0], 10 - MainProgram/CNC4 - 3(XIC), 4(XIC)     Fanuc Rbt C2:LData[0], 10 - MainProgram/CNC3 - 3(XIC), 4(XIC)     Fanuc Rbt C2:LData[0], 10 - MainProgram/CNC3 - 3(XIC), 4(XIC)     Fanuc Rbt C2:LData[0], 10 - MainProgram/CNC3 - 3(XIC), 4(XIC)     Fanuc Rbt C2:LData[0], 10 - MainProgram/CNC3 - 3(XIC), 4(XIC)     Fanuc Rbt C2:LData[0], 11 - MainProgram/CNC3 - 4(XIC), 5(XIC)     Fanuc Rbt C2:LData[0], 11 - MainProgram/CNC3 - 4(XIC), 5(XIC)     Fanuc Rbt C2:LData[0], 11 - MainProgram/CNC3 - 4(XIC), 5(XIC)     Fanuc Rbt C2:LData[0], 11 - MainProgram/CNC3 - 4(XIC), 5(XIC)     Fanuc Rbt C2:LData[0], 11 - MainProgram/CNC3 - 4(XIC), 5(XIC)     Fanuc Rbt C2:LData[0], 11 - MainProgram/CNC3 - 4(XIC), 5(XIC)			ROOI	
Fanuc Rbt C2:LData[0].2 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0].3 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0].3 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0].4 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0].4 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0].4 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0].5 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0].5 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0].5 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0].6 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0].6 - MainProgram/Cell 3     Fanuc Rbt C2:LData[0].7 - MainProgram/Cell 3     Fanuc Rbt C2:LData[0].7 - MainProgram/Cell 4     Fanuc Rbt C2:LData[0].8 - MainProgram/Cell 4     Fanuc Rbt C2:LData[0].8 - MainProgram/Cell 4     Fanuc Rbt C2:LData[0].9 - MainProgram/Cell 4     Fanuc Rbt C2:LData[0].9 - MainProgram/Cell 4     Fanuc Rbt C2:LData[0].9 - MainProgram/Cell 4     Fanuc Rbt C2:LData[0].1 - MainProgram/Cell 4     Fan		· ·	BOOL	
Fanuc Rbt C2:LData[0].3				
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 - MainProgram/Cell_2_ZZ - 16(XIC)     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 - 2 - 10(AIC)	POOI	
Fanue   Rbt   C2:LData 0 .3 - MainProgram/Cell   2   ZZ - 16(XlC)		oram running DO[4]	BOOL	
Fanuc   Rbt   C2:I.Data  0 .4				
Pick from CNC3 and Drop on Conveyor Program running DO[5]   Fanuc Rbt C2:LData[0]. 4 - MainProgram/Cell 2 ZZ - 16(XIC)     Pick from CNC4 and Drop on Conveyor Program running DO[6]     Fanuc Rbt C2:LData[0]. 5 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0]. 6 - MainProgram/Cell 2 ZZ - 16(XIC)     Fanuc Rbt C2:LData[0]. 6 - MainProgram/CNC4 - 3(XIC). 4(XIC)     Fanuc Rbt C2:LData[0]. 7 - MainProgram/CNC4 - 3(XIC). 4(XIC)     Fanuc Rbt C2:LData[0]. 7 - MainProgram/CNC4 - 3(XIC). 4(XIC)     Fanuc Rbt C2:LData[0]. 7 - MainProgram/CNC4 - 3(XIC). 4(XIC)     Fanuc Rbt C2:LData[0]. 8		Ceii_2_ZZ - 10(AIC)	DOOL	
Fanuc   Rbt   C2:I.Data 0 . 4 - MainProgram/Cell   2 ZZ - 16(XIC)		0	BOOL	
Fanuc Rbt C2:LData[0].5				
Pick from CNC4 and Drop on Conveyor Program running DO[6] Fanuc Rbt C2:LData[0].5 - MainProgram/Cell 2 ZZ - 16(XIC)  Fanuc Rbt C2:LData[0].6 0 BOOL  Cell 2 Robot is at Hold Position (CNC4) DO[7]  Fanuc Rbt C2:LData[0].6 - MainProgram/CNC4 - 3(XIC), 4(XIC)  Fanuc Rbt C2:LData[0].7 0 BOOL  Robot has completed dropping off part (CNC4) DO[8] Fanuc Rbt C2:LData[0].7 - MainProgram/CNC4 - 3(XIC), 4(XIC)  Fanuc Rbt C2:LData[0].8 0 BOOL  Robot has completed picking up part (CNC4) DO[9] Fanuc Rbt C2:LData[0].8 - MainProgram/CNC4 - 3(XIC), 4(XIC)  Fanuc Rbt C2:LData[0].8 - MainProgram/CNC4 - 3(XIC), 4(XIC)  Fanuc Rbt C2:LData[0].9 - MainProgram/CNC4 - 3(XIC), 3(XIO)  Fanuc Rbt C2:LData[0].9 - MainProgram/CNC4 - 3(XIC), 3(XIO)  Fanuc Rbt C2:LData[0].10 0 BOOL  Cell 2 Robot is at Hold Position (CNC3) DO[11] Fanuc Rbt C2:LData[0].10 - MainProgram/CNC3 - 3(XIC), 4(XIC)  Fanuc Rbt C2:LData[0].11 BOOL  Robot has completed dropping off part (CNC3) DO[2] Fanuc Rbt C2:LData[0].11 - MainProgram/CNC3 - 4(XIC), 5(XIC)		(Cell_2_ZZ - 16(XIC)	DOOL	
Fanuc Rbt C2:I.Data[0].5 - MainProgram/Cell 2 ZZ - 16(XIC)		0	BOOL	
Fanuc Rbt C2:1.Data[0].6				
Cell 2 Robot is at Hold Position (CNC4) DO[7] Fanuc Rbt C2:1.Data[0].6 - MainProgram/CNC4 - 3(XIC), 4(XIC)  Fanuc_Rbt_C2:1.Data[0].7 - 0  Robot has completed dropping off part (CNC4) DO[8] Fanuc_Rbt_C2:1.Data[0].7 - MainProgram/CNC4 - 3(XIC), 4(XIC)  Fanuc_Rbt_C2:1.Data[0].8 - 0  Robot has completed picking up part (CNC4) DO[9] Fanuc_Rbt_C2:1.Data[0].8 - MainProgram/CNC4 - 3(XIC), 4(XIC)  Fanuc_Rbt_C2:1.Data[0].9 0  Robot is dropping off part (CNC4) DO[10] Fanuc_Rbt_C2:1.Data[0].9 - MainProgram/CNC4 - 3(XIC), 3(XIO)  Fanuc_Rbt_C2:1.Data[0].9 - MainProgram/CNC4 - 3(XIC), 3(XIO)  Fanuc_Rbt_C2:1.Data[0].10 0  Cell 2 Robot is at Hold Position (CNC3) DO[11] Fanuc_Rbt_C2:1.Data[0].11 - MainProgram/CNC3 - 3(XIC), 4(XIC)  Fanuc_Rbt_C2:1.Data[0].11 - MainProgram/CNC3 - 4(XIC), 5(XIC)			2007	
Fanuc_Rbt_C2:1.Data[0].6 - MainProgram/CNC4 - 3(XIC), 4(XIC)  Fanuc_Rbt_C2:1.Data[0].7 0 BOOL  Robot has completed dropping off part (CNC4) DO[8]  Fanuc_Rbt_C2:1.Data[0].7 - MainProgram/CNC4 - 3(XIC), 4(XIC)  Fanuc_Rbt_C2:1.Data[0].8 0 BOOL  Robot has completed picking up part (CNC4) DO[9]  Fanuc_Rbt_C2:1.Data[0].8 - MainProgram/CNC4 - 3(XIC), 4(XIC)  Fanuc_Rbt_C2:1.Data[0].8 - MainProgram/CNC4 - 3(XIC), 4(XIC)  Fanuc_Rbt_C2:1.Data[0].9 0 BOOL  Robot is dropping off part (CNC4) DO[10]  Fanuc_Rbt_C2:1.Data[0].9 - MainProgram/CNC4 - 3(XIC), 3(XIO)  Fanuc_Rbt_C2:1.Data[0].10 0 BOOL  Cell 2 Robot is at Hold Position (CNC3) DO[11]  Fanuc_Rbt_C2:1.Data[0].11 - MainProgram/CNC3 - 3(XIC), 4(XIC)  Fanuc_Rbt_C2:1.Data[0].11 0 BOOL  Robot has completed dropping off part (CNC3) DO[12]  Fanuc_Rbt_C2:1.Data[0].11 - MainProgram/CNC3 - 4(XIC), 5(XIC)		•	BOOL	
Fanuc_Rbt_C2:1.Data[0].7 0 BOOL  Robot has completed dropping off part (CNC4) DO[8]  Fanuc_Rbt_C2:1.Data[0].7 - MainProgram/CNC4 - 3(XIC), 4(XIC)  Fanuc_Rbt_C2:1.Data[0].8 0 BOOL  Robot has completed picking up part (CNC4) DO[9]  Fanuc_Rbt_C2:1.Data[0].8 - MainProgram/CNC4 - 3(XIC), 4(XIC)  Fanuc_Rbt_C2:1.Data[0].9 0 BOOL  Robot is dropping off part (CNC4) DO[10]  Fanuc_Rbt_C2:1.Data[0].9 - MainProgram/CNC4 - 3(XIC), 3(XIO)  Fanuc_Rbt_C2:1.Data[0].9 - MainProgram/CNC4 - 3(XIC), 3(XIO)  Fanuc_Rbt_C2:1.Data[0].10 0 BOOL  Cell 2 Robot is at Hold Position (CNC3) DO[11]  Fanuc_Rbt_C2:1.Data[0].10 - MainProgram/CNC3 - 3(XIC), 4(XIC)  Fanuc_Rbt_C2:1.Data[0].11 0 BOOL  Robot has completed dropping off part (CNC3) DO[12]  Fanuc_Rbt_C2:1.Data[0].11 - MainProgram/CNC3 - 4(XIC), 5(XIC)				
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_C2:1.Data[0].7 - MainProgram/CNC4 - 3(XIC), 4(XIC)  Fanuc_Rbt_C2:1.Data[0].8 0 BOOL  Robot has completed picking up part (CNC4) DO[9]  Fanuc_Rbt_C2:1.Data[0].8 - MainProgram/CNC4 - 3(XIC), 4(XIC)  Fanuc_Rbt_C2:1.Data[0].9 0 BOOL  Robot is dropping off part (CNC4) DO[10]  Fanuc_Rbt_C2:1.Data[0].9 - MainProgram/CNC4 - 3(XIC), 3(XIO)  Fanuc_Rbt_C2:1.Data[0].10 0 BOOL  Cell 2 Robot is at Hold Position (CNC3) DO[11]  Fanuc_Rbt_C2:1.Data[0].10 - MainProgram/CNC3 - 3(XIC), 4(XIC)  Fanuc_Rbt_C2:1.Data[0].11 0 BOOL  Robot has completed dropping off part (CNC3) DO[12]  Fanuc_Rbt_C2:1.Data[0].11 - MainProgram/CNC3 - 4(XIC), 5(XIC)	Fanuc_Rbt_C2:I.Data[0].7	*	BOOL	
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].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)				
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].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)		~	BOOL	
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)				
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)		(CNC4 - 3(XIC), 4(XIC))		
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)		0	BOOL	
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)				
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)		(CNC4 - 3(XIC), 3(XIO)		
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)		· ·	BOOL	
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)	Cell 2 Robot is at Hold Position (CNC3) DC	D[11]		
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].10 - MainProgran	n/CNC3 - 3(XIC), 4(XIC)		
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].11	0	BOOL	
		C3) DO[12]		
Fanuc_Rbt_C2:I.Data[0].12 0 BOOL	Fanuc_Rbt_C2:I.Data[0].11 - MainProgram	n/CNC3 - 4(XIC), 5(XIC)		
	Fanuc_Rbt_C2:I.Data[0].12	0	BOOL	

Advividibas (Controller)	(	C:\Users\VRMILLING\Documents\control_team_manuals\Logic W2017\	Separate branches
Fanuc_Rbt_C2:I (Continued)			
Robot has completed picking up part (CNC			
Fanuc_Rbt_C2:I.Data[0].12 - MainProgr	am/CNC3 - 4(XIC), 5(XIC)		
Fanuc_Rbt_C2:I.Data[0].13	0	BOOL	
Robot is dropping off part (CNC3) DO[14	1]		
Fanuc_Rbt_C2:I.Data[0].13 - MainProgr	am/CNC3 - 4(XIC), 4(XIO)		
J 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 I	DI[1]		
Fanuc_Rbt_C2:O.Data[0].0 - MainProgra	am/Cell_2_ZZ - *0(OTU), *15(OTU)	, *6(OTL)	
Fanuc_Rbt_C2:O.Data[0].0 - MainProgra	am/CNC3 - 0(XIC)		
Fanuc_Rbt_C2:O.Data[0].1	0	BOOL	
Pick from Conveyor and drop on CNC 4 I	DI[2]		
Fanuc_Rbt_C2:O.Data[0].1 - MainProgre		), *6(OTL)	
Fanuc_Rbt_C2:O.Data[0].1 - MainProgre	am/CNC4 - 0(XIC)		
Fanuc_Rbt_C2:O.Data[0].2	0	BOOL	
Pick from CNC3 and Drop on conveyor D	DI[3]		
Fanuc_Rbt_C2:O.Data[0].2 - MainProgre	am/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 D			
Fanuc_Rbt_C2:O.Data[0].3 - MainProgra	am/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[			
Fanuc_Rbt_C2:O.Data[0].6 - MainProgre	am/CNC4 - *3(OTE)		
Fanuc_Rbt_C2:O.Data[0].7	0	BOOL	
Cell 2 Robot OK to Continue (CNC3) DI[			
Fanuc_Rbt_C2:O.Data[0].7 - MainProgra	am/CNC3 - *4(OTE), 5(XIC)		
■ FanucLoopPullCordES		EMERGENCY STOP	AdvManLab
EStop / Cable On Fanuc Loop			
Constant	No		
External Access:	Read/Write		
FanucLoopPullCordES - SafetyProgram 🎚	_		
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	<b>R</b>		
FanucLoopPullCordES.O1 - SafetyProgram	n = VEStopsAndGates - 21(XIC), 23(XIC)		
FanucLoopPullCordES.CI	0	BOOL	
EStop / Cable On Fanuc Loop	0	DOOL	
FanucLoopPullCordES.CRHO	0	BOOL	
EStop / Cable On Fanuc Loop	0	BOOL	
FanucLoopPullCordES.II EStop / Cable On Fanuc Loop	O	BOOL	
FanucLoopPullCordES.FP	0	BOOL	
EStop / Cable On Fanuc Loop	V	DOOL	
Estop / Cubic On I unde Ecop			
_¶ FanucLoopSTO_O1	1	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
FanucLoopSTO 01 - SafetyProgram 🗐/Ce	ell 1 2 VFD - *0(OTE)		
FanucLoopSTO_O1 - SafetyProgram 🗐/M	ap_Outputs - 2(XIC)		
al			
FanucLoopSTO_O2	l N	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
FanucLoopSTO_O2 - SafetyProgram (A)/O6			
FanucLoopSTO_O2 - SafetyProgram 🗐/M	$ap\_Outputs - 2(XIC)$		
¶ FanucLoopVFD		PF525 Faceplate AOI	AdvManLab
FanucLoopVFD PF525 Drive FTView ME Faceplate AOI		PF525_Faceplate_AOI	AdvManLab
J FanucLoopVFD PF525 Drive FTView ME Faceplate AOI Constant	No	PF525_Faceplate_AOI	AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access:	Read/Write	PF525_Faceplate_AOI	AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2	Read/Write		AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2 FanucLoopVFD.EnableIn	Read/Write VFD - *0(PF525_Faceplate_AOI) 1	PF525_Faceplate_AOI BOOL	AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2 FanucLoopVFD.EnableIn PF525 Drive FTView ME Faceplate AOI E	Read/Write VFD - *0(PF525_Faceplate_AOI) 1	BOOL	AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2 FanucLoopVFD.EnableIn PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.EnableOut	Read/Write VFD - *0(PF525_Faceplate_AOI)  1 nable Input - System Defined Parameter 1		AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2_ FanucLoopVFD.EnableIn PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.EnableOut PF525 Drive FTView ME Faceplate AOI E	Read/Write VFD - *0(PF525_Faceplate_AOI)  1 nable Input - System Defined Parameter 1	BOOL BOOL	AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2_ FanucLoopVFD.EnableIn PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.EnableOut PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.Inp_NumRowsVis	Read/Write VFD - *0(PF525_Faceplate_AOI)  1 nable Input - System Defined Parameter 1	BOOL	AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2 FanucLoopVFD.EnableIn PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.EnableOut PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.Inp_NumRowsVis PF525 Drive FTView ME Faceplate AOI	Read/Write VFD - *0(PF525_Faceplate_AOI)  1 nable Input - System Defined Parameter 1 nable Output - System Defined Parameter 9	BOOL BOOL DINT	AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2 FanucLoopVFD.EnableIn PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.EnableOut PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.Inp_NumRowsVis PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Set FaceplateAnimation	Read/Write VFD - *0(PF525_Faceplate_AOI)  1 nable Input - System Defined Parameter 1	BOOL BOOL	AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2 FanucLoopVFD.EnableIn PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.EnableOut PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.Inp_NumRowsVis PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Set_FaceplateAnimation PF525 Drive FTView ME Faceplate AOI	Read/Write VFD - *0(PF525_Faceplate_AOI)  1 nable Input - System Defined Parameter  1 nable Output - System Defined Parameter  9	BOOL BOOL DINT INT	AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2 FanucLoopVFD.EnableIn PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.EnableOut PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.Inp_NumRowsVis PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Set_FaceplateAnimation PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_ProgramModeEnableo	Read/Write VFD - *0(PF525_Faceplate_AOI)  1 nable Input - System Defined Parameter  1 nable Output - System Defined Parameter  9	BOOL BOOL DINT	AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2 FanucLoopVFD.EnableIn PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.EnableOut PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.Inp_NumRowsVis PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Set_FaceplateAnimation PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_ProgramModeEnabled PF525 Drive FTView ME Faceplate AOI	Read/Write VFD - *0(PF525_Faceplate_AOI)  1 nable Input - System Defined Parameter  1 nable Output - System Defined Parameter  9  0  1 0	BOOL BOOL DINT INT	AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2 FanucLoopVFD.EnableIn PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.EnableOut PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.Inp_NumRowsVis PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Set_FaceplateAnimation PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_ProgramModeEnabled PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_ProgramModeEnabled	Read/Write VFD - *0(PF525_Faceplate_AOI)  1 nable Input - System Defined Parameter  1 nable Output - System Defined Parameter  9  0  1 0  d - MainProgram/System - 3(XIC), 4(XIC)	BOOL  BOOL  DINT  INT  BOOL	AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2 FanucLoopVFD.EnableIn PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.EnableOut PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.Inp_NumRowsVis PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Set_FaceplateAnimation PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_ProgramModeEnabled PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_ProgramModeEnabled FanucLoopVFD.Sts_OperatorModeEnabled	Read/Write VFD - *0(PF525_Faceplate_AOI)  1 nable Input - System Defined Parameter  1 nable Output - System Defined Parameter  9  0  1 0  d - MainProgram/System - 3(XIC), 4(XIC)	BOOL BOOL DINT INT	AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2_ FanucLoopVFD.EnableIn PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.EnableOut PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.Inp_NumRowsVis PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Set_FaceplateAnimation PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_ProgramModeEnabled PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_ProgramModeEnabled PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_OperatorModeEnabled FanucLoopVFD.Sts_OperatorModeEnabled	Read/Write VFD - *0(PF525_Faceplate_AOI)  1 nable Input - System Defined Parameter  1 nable Output - System Defined Parameter  9  0  1 0  d - MainProgram/System - 3(XIC), 4(XIC)	BOOL  BOOL  DINT  INT  BOOL	AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2 FanucLoopVFD.EnableIn PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.EnableOut PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.Inp_NumRowsVis PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Set_FaceplateAnimation PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_ProgramModeEnabled PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_ProgramModeEnabled FanucLoopVFD.Sts_OperatorModeEnabled	Read/Write  VFD - *0(PF525_Faceplate_AOI)  1 nable Input - System Defined Parameter  1 nable Output - System Defined Parameter  9  0  1 0  d - MainProgram/System - 3(XIC), 4(XIC)  d 1	BOOL  BOOL  DINT  INT  BOOL  BOOL	AdvManLab
PF525 Drive FTView ME Faceplate AOI Constant External Access: FanucLoopVFD - MainProgram/Cell_1_2 FanucLoopVFD.EnableIn PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.EnableOut PF525 Drive FTView ME Faceplate AOI E FanucLoopVFD.Inp_NumRowsVis PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Set_FaceplateAnimation PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_ProgramModeEnabled PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_ProgramModeEnabled PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_OperatorModeEnabled PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_OperatorModeEnabled PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts_DriveStatus_Faulted	Read/Write  VFD - *0(PF525_Faceplate_AOI)  1 nable Input - System Defined Parameter  1 nable Output - System Defined Parameter  9  0  1 0  d - MainProgram/System - 3(XIC), 4(XIC)  d 1  0	BOOL  BOOL  DINT  INT  BOOL  BOOL	AdvManLab

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	0	DOOL
FanucLoopVFD.Sts_DriveStatus_Alarm	0	BOOL
PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Sts DriveStatus AtSpeed	0	BOOL
PF525 Drive FTView ME Faceplate AOI	0	BOOL
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	0.0	DEAL
FanucLoopVFD.Sts_Value3 PF525 Drive FTView ME Faceplate AOI	0.0	REAL
FanucLoopVFD.Sts_Value4	0.0	REAL
PF525 Drive FTView ME Faceplate AOI	0.0	KLAL
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	1	DIAIT
FanucLoopVFD.Set_Value2Max PF525 Drive FTView ME Faceplate AOI	1	DINT
FanucLoopVFD.Set Value3Max	1	DINT
PF525 Drive FTView ME Faceplate AOI	1	DIN
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	52072	DINT
FanucLoopVFD.Val_Fault1Code PF525 Drive FTView ME Faceplate AOI	52073	DIMI
FanucLoopVFD.Cmd OperOperReq	0	BOOL
PF525 Drive FTView ME Faceplate AOI	•	
FanucLoopVFD.Cmd_ProgOperReq	0	BOOL

AdvManLab - Controller AdvManLab (Controller)	Ta

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	D /C 11 1 2 UED #7/OFF)	
FanucLoopVFD.Cmd_ProgProgReq - Main	Program/Cell_1_2_VFD - */(OTE)	DOOL
FanucLoopVFD.Cmd_StartOper	U	BOOL
PF525 Drive FTView ME Faceplate AOI FanucLoopVFD.Cmd StartProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI	U	BOOL
FanucLoopVFD.Cmd StartProg - MainProg	gram/System = *1(OTF)	
FanucLoopVFD.Cmd_Starti rog - Maint rog FanucLoopVFD.Cmd StopOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI	V	BOOL
FanucLoopVFD.Cmd StopProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI	v	BOOL
FanucLoopVFD.Cmd ResetOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI	•	
FanucLoopVFD.Cmd_ResetOper - MainPro	ogram/Cell 1 2 VFD - 6(XIC)	
FanucLoopVFD.Cmd ResetProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_ResetProg - MainPro	gram/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		D. O. C.
FanucLoopVFD.Cmd_RevOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		DOOL
FanucLoopVFD.Cmd_RevProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI		
FanucLoopVFD.Cmd_OperToProgPermissi	ve 1	BOOL
PF525 Drive FTView ME Faceplate AOI	1	BOOL
FanucLoopVFD.Cmd ProgToOperPermissi	vo.	
ranucloop v rb. cmu_1 rog rooper rermissi	1	BOOL
PF525 Drive FTView ME Faceplate AOI	1	BOOL
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		

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FanucLoopVFD (Continued)		
FanucLoopVFD.Cmd Accel2Oper	0	BOOL
PF525 Drive FTView ME Faceplate AOI	V	BOOL
FanucLoopVFD.Cmd DecellOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI		2002
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		77.17
FanucLoopVFD.Set_AccelProg	0.0	REAL
PF525 Drive FTView ME Faceplate AOI	0.0	DEAL
FanucLoopVFD.Set_DecelProg	0.0	REAL
PF525 Drive FTView ME Faceplate AOI	4D	
FanucLoopVFD.Set_CommFaultTimerPres	etProg 10000	DINT
PF525 Drive FTView ME Faceplate AOI	10000	DINI
FanucLoopVFD.Cmd LocalContrlProg	0	BOOL
PF525 Drive FTView ME Faceplate AOI	O	BOOL
FanucLoopVFD.Cmd LocalContrlOper	0	BOOL
PF525 Drive FTView ME Faceplate AOI	· ·	BOOL
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_CommFaultTimerPres		
DESCRIPTION OF THE PROPERTY OF	0	DINT
PF525 Drive FTView ME Faceplate AOI	1.5	<b></b>
FanucLoopVFD.Set_DecelOper	1.5	REAL

	C. (OSCIS) VICIVILLIA (DOCU
1.5	REAL
1.3	KEAL
0	DINT
	DINI
	BOOL
v	Восе
0	BOOL
0	BOOL
0	DINT
0	BOOL
m/System - *3(OTE)	
0.0	REAL
0.0	REAL
0.0	DE. 1
0.0	REAL
0.0	DEAL
0.0	REAL
17204	DINT
16384	DINT
m/Coll 1 2 VED *2/MOV	
	BOOL
1 0	BOOL
1	BOOL
1	BOOL
73	DINT
, 3	211.11
am/Cell 1 2 VFD - *1(MOV)	
30	INT
m/Cell 1 2 VFD - *7(MOV)	
	REAL
1.0	REAL
30	DINT
0.0	REAL
0.0	<b>55.</b>
0.0	REAL
	0 0 m/System - *3(OTE) 0.0 0.0 0.0 0.0 16384 m/Cell_1_2_VFD - *3(MOV) t 0 1 73 am/Cell_1_2_VFD - *1(MOV) 30 m/Cell_1_2_VFD - *7(MOV) 1.0

AdvManLab (Controller) 10/7/2017 3:55:22 PM C:\Users\VRMILLING\Documents\control team manuals\Logic W2017\Separate branches\Jenny branch.ACD FanucLoopVFD (Continued) 0 FanucLoopVFD.Val OutputVoltage 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 **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 Read/Write External Access: FanucLoopVFD N045:I - MainProgram/Cell 1 2 VFD - \*0(PF525 Faceplate AOI) FanucLoopVFD N045:I - MainProgram/Unused PF52x - 0(COP) FanucLoopVFD N045:I.OutputFreq 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) 2#0000 0000 0000 0000 FanucLoopVFD N045:O.LogicCommand INT FanucLoopVFD N045:O.LogicCommand - MainProgram/Unused PF52x - \*0(MVM) FanucLoopVFD N045:O.FreqCommand INT FanucLoopVFD N045:O.FreqCommand - MainProgram/Unused PF52x - \*0(MOV) Fault Code1 73 DINT AdvManLab Constant No Read/Write External Access: Fault Code1 - MainProgram/Cell 1 2 VFD - 1(MOV) **1** 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 

☐ 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), 16(RIN), 19(LC), 16(RIN), 19(LC), 16(RIN), 19(LC), 16(RIN), 19(LC), 19(RIN), 19(LC), 1 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)

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FaultResetSafe Constant Mapped With: External Access: FaultResetSafe - SafetyProgram (EVEStopsA) 19(TSSM), 2(ESTOP), 20(LC), 20(TSSM), 3 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)			AdvManLab , 15(LC), 15(RIN), 16(LC), 16(RIN), 18(RIN), 19(LC),
FltMsg1  External Access:  FltMsg1 - MainProgram/Cell_1_2_VFD - *	Read/Write 0(PF525_Faceplate_AOI)	MESSAGE	AdvManLab
FltMsg2 External Access: FltMsg2 - MainProgram/Cell_3_VFD - *0(1)	Read/Write PF525_Faceplate_AOI)	MESSAGE	AdvManLab
Data From CNC1 Producer: RPI: Remote Data: Include Connection Status: Use Unicast Connection Over EtherNet/IP: External Access: FromCNC1.Bools Data From CNC1 32 user defined bools to b FromCNC1.Bools.0 CNC signal to Cell that it is at the Pick / DroferomCNC1.Bools.0 - MainProgram/Cell 1	0 op location	CNC_Datablock  DINT BOOL	AdvManLab
FromCNC1.Bools.0 - MainProgram/CNC1 - FromCNC1.Bools.1  CNC is ready to receive part from robot FromCNC1.Bools.1 - MainProgram/CNC1 -	0	BOOL	
FromCNC1.Bools.1 - Maint rogram/CNC1 - FromCNC1.Bools.2  Handshake to complete part drop off FromCNC1.Bools.2 - MainProgram/CNC1 -	0	BOOL	
FromCNC1.Bools.3  CNC has a part that is ready to be picked up FromCNC1.Bools.3 - MainProgram/Cell_1 FromCNC1.Bools.3 - MainProgram/CNC1	0 by the robot ZZ - 10(XIC), 13(XIC)	BOOL	
FromCNC1.Bools.4  Handshake to complete part Pick-up FromCNC1.Bools.4 - MainProgram/CNC1 -	0	BOOL	
FromCNC1.Bools.5	1	BOOL	

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	EnomCNC1 (Continued)			
	FromCNC1 (Continued) Data From CNC1 32 user defined bools to be	aused as needed for interlocks		
	From CNC1. Bools. 5 - Main Program/Cell 1			
	FromCNC1.UserDef01	0	DINT	
	Data From CNC1 User defined Dint 1	Ü	DIM	
	FromCNC1.UserDef02	0	DINT	
	Data From CNC1 User defined Dint 2	v	BII(I	
	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			
-				
٤	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	DD /II	
	FromCNC2.Bools	32	DINT	
	Data From CNC2 32 user defined bools to be	e used as needed for interlocks	DOOL	
	FromCNC2.Bools.0	0	BOOL	
	CNC signal to Cell that it is at the Pick / Drop			
	From CNC2. Bools. 0 - Main Program/Cell_1_1			
	FromCNC2.Bools.0 - MainProgram/CNC2 - FromCNC2.Bools.1	3(XIC), 4(XIC)	BOOL	
	CNC is ready to receive part from robot	U	DOOL	
	From CNC 2. Bools. 1 - Main Program/CNC 2 -	2(VIC) 4(VIC)		
	FromCNC2.Bools.2	0	BOOL	
	Handshake to complete part drop off	Ü	BOOL	
	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 b	~	BOOL	
	FromCNC2.Bools.3 - MainProgram/Cell 1			
	FromCNC2.Bools.3 - MainProgram/CNC2 -			
	FromCNC2.Bools.4	0	BOOL	
	Handshake to complete part Pick-up			
	FromCNC2.Bools.4 - MainProgram/CNC2 -	<i>3(XIO)</i>		
	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	olocation		
FromCNC3.Bools.0 - MainProgram/Cell 2	ZZ - 7(XIC)		
From CNC3. Bools. 0 - $Main Program/CNC3$ -	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	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_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			

Adviviantao (Controller)		C:\Users\VRMILLING\Documents\control_team_manuals\Log	ic W2017\Separate branches\Jenny branch.ACD
<b></b> 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			
FromCNC4.Bools.0 - MainProgram/Cell_2_2			
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)	P. 0.7	
FromCNC4.Bools.3	0	BOOL	
CNC has a part that is ready to be picked up b			
FromCNC4.Bools.3 - MainProgram/Cell_2_1			
FromCNC4.Bools.3 - MainProgram/CNC4 -	3(XIC), 4(XIC)	DOOL	
FromCNC4.Bools.4	0	BOOL	
Handshake to complete part Pick-up	2(VIO)		
FromCNC4.Bools.4 - MainProgram/CNC4 -	3(XIO)	DOOL	
FromCNC4.Bools.5	1	BOOL	
Bit is ON when CNC is NOT in cycle. FromCNC4.Bools.5 - MainProgram/Cell 2 2	77 6(VIC)		
FromCNC4.UserDef01	0	DINT	
Data From CNC4 User defined Dint 1	O	DINI	
FromCNC4.UserDef02	0	DINT	
Data From CNC4 User defined Dint 2	O	DINI	
FromCNC4.UserDef03	0	DINT	
Data From CNC4 User defined Dint 3		DIIVI	
FromCNC4.UserDef04	0	DINT	
Data From CNC4 User defined Dint 4	·	21.12	
FromCNC4.UserDef05	0	DINT	
Data From CNC4 User defined Dint 5			
J HMI_Disp_No	600	DINT	AdvManLab
Constant	No		
External Access:	Read/Write		
HMI_Disp_No - MainProgram/HMI - 2(EQU	<i>I), 3(EQU), 4(EQU), 5(EQU),</i>	6(EQU), 7(EQU)	
<b>∄</b> HMI_Mode	0	DINT	AdvManLab
Constant	No	DIM	1 to vivianizati
Constant	110		

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HMI_Mode (Continued) External Access:	Read/Write			
HMI Mode.0	Nead/ Write	BOOL		
	ZZ - 0(XIC), 1(XIO), 2(XIO), 4(XIO), 5(XIO)	BOOL		
HMI Mode.1	$\frac{2}{10} = \frac{1}{10} (AIC), \frac{1}{10} (AIC), \frac{1}{10} (AIC), \frac{1}{10} (AIC)$	BOOL		
HMI Mode.1 - MainProgram/Mode 2	77	BOOL		
HMI Mode.2	$\mathcal{L}$ - $\mathcal{U}(\mathcal{A}(\mathcal{O}), \mathcal{A}(\mathcal{A}(\mathcal{O}), \mathcal{A}(\mathcal{A}(\mathcal{O})))$	BOOL		
_	ZZ - 0(XIO), 1(XIO), 2(XIO), 4(XIO), 5(XIC)	BOOL		
HMI Mode.3	2 - 0(AIO), 1(AIO), 2(AIO), 4(AIO), 3(AIC)	BOOL		
HMI Mode.3 - MainProgram/Mode 2	77 - 3(XIC)	BOOL		
HMI Mode.4	0	BOOL		
HMI Mode.4 - MainProgram/Cell 1	77 - 0(XIC)	BOOL		
HMI Mode.4 - MainProgram/Cell 2				
HMI Mode.4 - MainProgram/Mode 2				
HMI Mode.5	0	BOOL		
	ZZ - O(XIO), $I(XIO)$ , $2(XIC)$ , $4(XIO)$ , $5(XIO)$	BOOL		
IIIII_Mode.5 Madii 10gram/Mode_2	22 0(110), 1(110), 2(110), 1(110), 3(110)			
<b>-</b> ¶ Main N043:1:I		AB:1734 IB8S Safety5:I:0	AdvManLab	
Constant	No			
External Access:	Read/Write			
Main N043:1:I.ConnectionFaulted	1	BOOL		
	SafetyProgram 🗐/Map Inputs - 1(XIO)			
Main N043:1:I.Pt00Data	0	BOOL		
Main N043:1:I.Pt00Data - SafetyProg	gram 🗐/Map Inputs - 1(XIC)			
Main N043:1:I.Pt01Data	0	BOOL		
Main N043:1:I.Pt01Data - SafetyProg	gram 🗐/Map Inputs - 1(XIC)			
Main N043:1:I.Pt02Data	0	BOOL		
Main N043:1:I.Pt02Data - SafetyProg	gram 🗐/Map Inputs - 1(XIC)			
Main_N043:1:I.Pt03Data	0	BOOL		
Main N043:1:I.Pt03Data - SafetyProg	gram 🗐/Map Inputs - 1(XIC)			
Main_N043:1:I.Pt04Data	0	BOOL		
Main_N043:1:I.Pt04Data - SafetyProg	gram 🗐/Map_Inputs - 1(XIC)			
Main_N043:1:I.Pt05Data	_ 0	BOOL		
Main_N043:1:I.Pt05Data - SafetyProg	$gram = Map_Inputs - 1(XIC)$			
Main_N043:1:I.Pt06Data	_ 0	BOOL		
Main_N043:1:I.Pt06Data - SafetyProg	$gram = Map_Inputs - 1(XIC)$			
Main_N043:1:I.Pt07Data	0	BOOL		
Main_N043:1:I.Pt07Data - SafetyProg	$gram = Map_Inputs - 1(XIC)$			
<b>4</b>				
<b>■</b> Main_N043:2:I		AB:1734_OB8S_Safety2:I:0	AdvManLab	
Constant	No			
External Access:	Read/Write			
Main_N043:2:I.ConnectionFaulted		BOOL		
Main_N043:2:1.ConnectionFaulted - S	SafetyProgram 🗐/Map_Outputs - 2(XIO)			
¶ мл.:. мго.42.2.О		AD-1724 OD00-O-0	A Jan Mara T - 1.	
Main_N043:2:O	Ma	AB:1734_OB8S:O:0	AdvManLab	
Constant	No Pand/White			
External Access:	Read/Write			

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Main N043:2:O (Continued)			
Main_N043:2:O.Pt00Data	_1	BOOL	
Main_N043:2:O.Pt00Data - SafetyProgram	<pre>Map_Outputs - *2(OTE)</pre>		
Main_N043:2:O.Pt01Data	1	BOOL	
Main_N043:2:O.Pt01Data - SafetyProgram	፟ Map_Outputs - *2(OTE)	Door	
Main_N043:2:O.Pt02Data	 	BOOL	
Main_N043:2:O.Pt02Data - SafetyProgram	<u>■</u> /Map_Outputs - *2(O1E)	BOOL	
Main_N043:2:O.Pt03Data  Main_N043:2:O.Pt03Data - SafetyProgram_		DOOL	
Main N043:2:O.Pt04Data	0	BOOL	
Main N043:2:O.Pt04Data - SafetyProgram	Map Outputs - *2(OTE)	2002	
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			
Main_N043:2:O.Pt07Data	0   (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	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]	SIIVI	AuvivianiLau
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)			
I 36 · NO 42 I		AD 1724 701 OT LO	A 1 3 6 T 1
Main_N043:I Constant	No	AB:1734_5SLOT:I:0	AdvManLab
External Access:	Read/Write		
Main_N043:I.Data[3].0	0	BOOL	
PPX5 - MainProgram/Cell_1_ZZ - 4(XIC)	Ü	BOOL	
PPX5 - MainProgram/Map Inputs - 0(XIC)			
🗐 MainPnlES		EMERGENCY_STOP	AdvManLab
EStop on Main Panel			
Constant	No		
External Access:	Read/Write		
MainPnlES - SafetyProgram WEStopsAndG	ates - *I(ESTOP)	DOOL	
MainPnlES.EnableIn EStop on Main Panel	1	BOOL	
MainPnlES.ResetType	0	BOOL	
EStop on Main Panel	·	BOOL	
MainPnlES.ChannelA	1	BOOL	
EStop on Main Panel			
MainPnlES.ChannelB	1	BOOL	
EStop on Main Panel			

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MainPnlES (Continued)			
MainPnlES.CircuitReset	0	BOOL	
EStop on Main Panel	V	BOOL	
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 🗐/EStops	sAndGates - 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			
A . D MCCH4	•	POOL	A 1 M T 1
MainPnlESCH1	1	BOOL	AdvManLab
Main Panel E-Stop Button CH1	No		
Constant External Access:	No Read/Write		
MainPnlESCH1 - SafetyProgram 🗐/EStop			
MainPnlESCH1 - SajetyProgram ■VEStop MainPnlESCH1 - SafetyProgram ■VMap			
MainFmESCIII - SajetyFrogram <b>=</b> ₽Map_	Inputs - 1(O1E)		
■ MainPnlESCH2	1	BOOL	AdvManLab
Main Panel E-Stop Button CH2	•	2002	114 (1)1411240
Constant	No		
External Access:	Read/Write		
MainPnlESCH2 - SafetyProgram ♣/EStop			
MainPnlESCH2 - SafetyProgram 🧐/Map			
_	- •		
<b>∄</b> Man_Valves		DINT[8]	AdvManLab
Constant	No		
External Access:	Read/Write		
Man_Valves[0]	1	DINT	
Man_Valves[0] - MainProgram/Control_V	Valve - $0(EQU)$		
Man_Valves[1]	1	DINT	
Man_Valves[1] - MainProgram/Control_V	alve - I(EQU)	DD III	
Man_Valves[2]	1	DINT	
Man_Valves[2] - MainProgram/Control_V	(alve - 2(EQU)	DINT	
Man_Valves[3]	1 /-l 2/FOU\	DINT	
Man_Valves[3] - MainProgram/Control_V	aive - 5(EQU)	DINT	
Man_Valves[4]  Man_Valves[4] MainProgram/Control I	U Valva A(EQII)	DINT	
Man_Valves[4] - MainProgram/Control_V Man Valves[5]	n (EQU)	DINT	
Man Valves[5] - MainProgram/Control V	Valve - 5(FOU)	DIM	
wian_raives[5] - waini rogram/Control_r	uive - J(LQO)		

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Man Valves (Continued)			
Man Valves[6]	0	DINT	
Man_Valves[6] - MainProgram	*	DII (I	
Man Valves[7]	0	DINT	
Man Valves[7] - MainProgram	•	2111	
	(-z, -)		
₫ Man_Valves_Safe01	-103	SINT	AdvManLab
Constant	No		
Mapped With:	Man_Valves01		
External Access:	Read/Write		
Man_Valves_Safe01 - SafetyPro	ogram 🗐 ValveManifold - 0(COP)		
M			
Man_Valves_Safe02	85	SINT	AdvManLab
Constant	No		
Mapped With:	Man_Valves02		
External Access:	Read/Write		
Man_Valves_Safe02 - SafetyPro	ogram 🗐 ValveManifold - 0(COP)		
<b>1</b> Man_Valves01	-86	SINT	AdvManLab
Constant	No	SHVI	AdvivianLab
External Access:	Read/Write		
Man Valves01.0	0	BOOL	
Man_Valves01.0 - MainProgram	· ·	BOOL	
Man Valves01.1	1	BOOL	
Man_Valves01.1 - MainProgram	m/Control Valve - *0/OTF)	BOOL	
Man Valves01.2	0 (O1L)	BOOL	
Man Valves01.2 - MainProgra	m/Control Valve - *1(OTF)	BOOL	
Man Valves01.3	1	BOOL	
Man Valves01.3 - MainProgram	m/Control Valve - *1(OTF)	2002	
Man Valves01.4	0	BOOL	
Man Valves01.4 - MainProgram	m/Control Valve - *2(OTE)	2002	
Man Valves01.5	1	BOOL	
Man_Valves01.5 - MainProgram	m/Control Valve - *2(OTE)		
Man Valves01.6	0	BOOL	
Man_Valves01.6 - MainProgram	m/Control Valve - *3(OTE)		
Man Valves01.7	- 1	BOOL	
Man Valves01.7 - MainProgra	m/Control Valve - *3(OTE)		
Man_Valves02	85	SINT	AdvManLab
Constant	No		
External Access:	Read/Write		
Man_Valves02.0	1	BOOL	
Man_Valves02.0 - MainProgram	m/Control_Valve - *4(OTE)	<b>D</b> 0 0 7	
Man_Valves02.1	(C) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BOOL	
Man_Valves02.1 - MainProgram	m/Control_Valve - *4(OTE)	DOOL	
Man_Valves02.2	[	BOOL	
Man_Valves02.2 - MainProgram	m/Control_Valve - *5(OTE)	DOOL	
Man_Valves02.3	U	BOOL	

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Man_Valves02 (Continued)  Man_Valves02.3 - MainProgram/Control_ Man_Valves02.4  Man_Valves02.4 - MainProgram/Control_ Man_Valves02.5  Man_Valves02.5 - MainProgram/Control_ Man_Valves02.6  Man_Valves02.6 - MainProgram/Control_ Man_Valves02.7  Man_Valves02.7 - MainProgram/Control_	1 Valve - *6(OTE) 0 Valve - *6(OTE) 1 Valve - *7(OTE) 0	BOOL BOOL BOOL	
Manifold_N058:1:O  Constant External Access:  Manifold_N058:1:O - SafetyProgram ♣/V Manifold_N058:1:O.Pt00Data  Cell 1 Hold Back Stop Extended	No Read/Write TalveManifold - *0(COP), *1(COP), *2(COP) 0	AB:1734_OB8S:O:0 BOOL	AdvManLab
Manifold_N058:1:O.Pt00Data - MainProg Manifold_N058:1:O.Pt02Data Cell 1 Robot Stop Extended Manifold_N058:1:O.Pt04Data Manifold_N058:1:O.Pt04Data - MainProg	0 0	BOOL BOOL	
Manifold_N058:2:0  Constant External Access:  Manifold_N058:2:O - SafetyProgram	No Read/Write YalveManifold - *0(COP), *1(COP), *2(COP)	AB:1734_OB8S:O:0	AdvManLab
Constant External Access:  Mode_Auto - MainProgram/Camera_1_P. Mode_Auto - MainProgram/Cell_1_2_VF. Mode_Auto - MainProgram/Cell_1_ZZ - 0. Mode_Auto - MainProgram/Cell_2_ZZ - 0. Mode_Auto - MainProgram/Mode_ZZ - *0. Mode_Auto - MainProgram/RFID - 0(XIC) Mode_Auto - MainProgram/RFID_1_JW_ Mode_Auto - MainProgram/RFID_3_JW - Mode_Auto - MainProgram/RFID_BU - 0. Mode_Auto - MainProgram/RFID_BU - 0. Mode_Auto - MainProgram/RFID_HMI - Mode_Auto - MainProgram/System - 4(XIC) Mode_Auto - Safe - SafetyProgram \bullet \( \subseteq \)	D - 7(XIC) (XIC), 2(XIC), 3(XIC), 6(XIC), 7(XIC) (XIC) (XOTU), *1(OTL), *2(OTU), *5(OTU), 5(XIO) ) ZZ - 0(XIC), 5(XIC) 0(XIC), 5(XIC) (XIC), 18(XIC) 0(XIC), 12(XIC), 6(XIC) C)	BOOL	AdvManLab
Mode_Auto_Safe Constant Mapped With: External Access:	0 No Mode_Auto Read/Write	BOOL	AdvManLab

AdvManLab (Controller)

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```
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)
1 Mode Manual
                                                                                            BOOL
                                             0
                                                                                                                                          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 ♣\(\textit{ValveManifold}\) - 0(XIC), 1(XIO)
🗐 Mode Manual Safe
                                             0
                                                                                            BOOL
                                                                                                                                          AdvManLab
    Constant
                                             No
    Mapped With:
                                             Mode Manual
                                             Read/Write
    External Access:
    Mode Manual Safe - SafetyProgram ♣\sqrt{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)
1 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
                                                                                            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)
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	C), 12(XIC), 13(XIC), 16(XIC), 17(XIC), 18(XIC), 2 C), 10(XIC), 13(XIC), 14(XIC), 15(XIC), 2(XIC), 3( TU), *1(OTU), *2(OTL), *5(OTU), 5(XIO) -6(XIC), 7(XIC), 8(XIC) XIC), 5(XIC)	BOOL (XIC), 3(XIC), 4(XIC), 5(XIC), 6(XIC), 7(XIC), 8(XIC) XIC), 4(XIC), 5(XIC), 6(XIC), 9(XIC)	AdvManLab
Mode_Start - MainProgram/Cell_2_ZZ - 1(XI Mode_Start - MainProgram/Cell_3_ZZ - 0(XI	TÚ), *1(OTÚ), *2(OTÚ), *4(OTÉ), *5(OTÚ), 4(XIC) - 6(XIC), 7(XIC), 8(XIC) XIC), 5(XIC) XIC), 5(XIC)	XIC), 4(XIC), 5(XIC), 6(XIC), 9(XIC)	AdvManLab
<b>■</b> NI_1752_1:I		AB:ETHERNET_MODULE_DINT_500Bytes:I:0	AdvManLab
Constant External Access: NI_1752_1:I.Data VBAI:	No Read/Write	DINT	Adviviantab
NI_1752_1:I.Data[0] BOOL 0-31 (0-7 Reserved by VBAI)	3	DINT	
NI_1752_1:I.Data[1] SINT 0-3	0	DINT	
NI_1752_1:I.Data[1].0 SINT 0-3	0	BOOL	
NI_1752_1:I.Data[1].0 - MainProgram/Came NI_1752_1:I.Data[2] SINT 4-7	era_1_Pipeline_ZZ - 4(XIC) 0	DINT	
NI_1752_1:I.Data[3] SINT 8-11	0	DINT	
NI_1752_1:I.Data[4] INT 0-1	0	DINT	
NI_1752_1:I.Data[5] INT 2-3	0	DINT	
NI_1752_1:I.Data[6] INT 4-5	0	DINT	
NI_1752_1:I.Data[7]	0	DINT	

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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		DINT
NI_1752_1:I.Data[11] DINT 1	0	
NI_1752_1:I.Data[12] DINT 2	0	DINT
NI_1752_1:I.Data[13] DINT 3	0	DINT
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] DINT 8	0	DINT
NI_1752_1:I.Data[19] DINT 9	0	DINT
NI_1752_1:I.Data[20] DINT 10	0	DINT
NI_1752_1:I.Data[21] DINT 11	0	DINT
NI_1752_1:I.Data[22]	0	DINT
REAL 0 NI_1752_1:I.Data[22] - MainProgram/Cam	nera_1_Pipeline_ZZ - 1(COP)	
NI_1752_1:I.Data[23] REAL l	0	DINT
NI_1752_1:I.Data[23] - MainProgram/Cam		DINT
NI_1752_1:I.Data[24] REAL 2	0	DINI
NI_1752_1:I.Data[24] - MainProgram/Cam NI_1752_1:I.Data[25]	nera_1_Pipeline_ZZ - 1(COP) 0	DINT
REAL 3 NI 1752 1:I.Data[25] - MainProgram/Cam	nera 1 Pineline 77 - 1(COP)	
NI_1752_1:I.Data[26] REAL 4	0	DINT
NI_1752_1:I.Data[26] - MainProgram/Cam	=	
NI_1752_1:I.Data[27] REAL 5	0	DINT
NI_1752_1:I.Data[28]	0	DINT

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<b>NI_1752_1:I</b> (Continued) REAL 6		
NI_1752_1:I.Data[29] REAL 7	0	DINT
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] VBAI:	0	DINT
NI_1752_1:I.Data[43] VBAI:	0	DINT
<b>NI_1752_1:I.Data[44]</b> VBAI:	0	DINT
<b>NI_1752_1:I.Data[45]</b> VBAI:	0	DINT
NI_1752_1:I.Data[46] VBAI:	0	DINT
NI_1752_1:I.Data[47] VBAI:	0	DINT
NI_1752_1:I.Data[48] VBAI:	0	DINT
VBAI: NI_1752_1:I.Data[49] VBAI:	0	DINT
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:	O	DINI
NI_1752_1:I.Data[53]	0	DINT
VBAI:		
<b>NI_1752_1:I.Data[54]</b> VBAI:	0	DINT
NI_1752_1:I.Data[55]	0	DINT
VBAI:		
NI_1752_1:I.Data[56]	0	DINT
VBAI: <b>NI_1752_1:I.Data[57]</b>	0	DINT
VBAI:	v	DIVI
NI_1752_1:I.Data[58]	0	DINT
VBAI: <b>NI 1752 1:I.Data[59]</b>	0	DINT
VBAI:	v	DINI
NI_1752_1:I.Data[60]	0	DINT
VBAI:	0	DINT
<b>NI_1752_1:I.Data[61]</b> VBAI:	O	DINI
NI_1752_1:I.Data[62]	0	DINT
VBAI:	0	DDIT
<b>NI_1752_1:I.Data[63]</b> VBAI:	0	DINT
NI_1752_1:I.Data[64]	0	DINT
VBAI:		DD.W
NI_1752_1:I.Data[65] VBAI:	0	DINT
NI_1752_1:I.Data[66]	0	DINT
VBAI:	_	
<b>NI_1752_1:I.Data[67]</b> VBAI:	0	DINT
NI_1752_1:I.Data[68]	0	DINT
VBAI:		
<b>NI_1752_1:I.Data[69]</b> VBAI:	0	DINT
NI 1752 1:I.Data[70]	0	DINT
VBAI:		
NI_1752_1:I.Data[71]	0	DINT
VBAI: <b>NI_1752_1:I.Data[72]</b>	0	DINT
VBAI:	Ÿ	
NI_1752_1:I.Data[73]	0	DINT
VBAI: <b>NI_1752_1:I.Data[74]</b>	0	DINT
VBAI:	· ·	DIMI
NI_1752_1:I.Data[75]	0	DINT

NI_1752_1:I (Continued) VBAI:		
NI_1752_1:I.Data[76] VBAI:	0	DINT
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:	0	DINT
<b>NI_1752_1:I.Data[81]</b> VBAI:	Ü	DINT
NI_1752_1:I.Data[82] VBAI:	0	DINT
NI_1752_1:I.Data[83] VBAI:	0	DINT
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:	•	P. 17. 17.
<b>NI_1752_1:I.Data[87]</b> VBAI:	0	DINT
NI_1752_1:I.Data[88] VBAI:	0	DINT
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] VBAI:	0	DINT
NI_1752_1:I.Data[93] VBAI:	0	DINT
NI_1752_1:I.Data[94]	0	DINT
VBAI: NI 1752 1:I.Data[95]	0	DINT
VBAI:		
NI_1752_1:I.Data[96] VBAI:	0	DINT
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] VBAI:	0	DINT
NI_1752_1:I.Data[101] VBAI:	0	DINT
NI_1752_1:I.Data[102] VBAI:	0	DINT
VBAI. NI_1752_1:I.Data[103] VBAI:	0	DINT
VBAI. NI_1752_1:I.Data[104] VBAI:	0	DINT
VBAI. NI_1752_1:I.Data[105] VBAI:	0	DINT
NI_1752_1:I.Data[106] VBAI:	0	DINT
VBAI. NI_1752_1:I.Data[107] VBAI:	0	DINT
VBAI. NI_1752_1:I.Data[108] VBAI:	0	DINT
VBAI. NI_1752_1:I.Data[109] VBAI:	0	DINT
VBAI. NI_1752_1:I.Data[110] VBAI:	0	DINT
VBAI. NI_1752_1:I.Data[111] VBAI:	0	DINT
VBAI. NI_1752_1:I.Data[112] VBAI:	0	DINT
VBAI. NI_1752_1:I.Data[113] VBAI:	0	DINT
VBAI. NI_1752_1:I.Data[114] VBAI:	0	DINT
VBAI. NI_1752_1:I.Data[115] VBAI:	0	DINT
VBAI. NI_1752_1:I.Data[116] VBAI:	0	DINT
VBAI. NI_1752_1:I.Data[117] VBAI:	0	DINT
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: <b>NI_1752_1:I.Data[124]</b> VBAI:	0	DINT	
NI_1752_1:O		AB:ETHERNET_MODULE_DINT_496Bytes:O:0	AdvManLab
Constant	No		Adviviantao
External Access:	Read/Write		
NI_1752_1:O.Data VBAI:		DINT	
NI_1752_1:O.Data[0] Bool 0-31	0	DINT	
NI_1752_1:O.Data[0].0 Bool 0-31	0	BOOL	
NI 1752 1:0.Data[0].0 - MainProgram/Ca	umera 1 Pineline 77 - *0(OTF)		
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] Sint 8-11	201326595	DINT	
NI_1752_1:O.Data[4] Int 0-1	131073	DINT	
NI_1752_1:O.Data[5] Int 2-3	0	DINT	
NI_1752_1:O.Data[6]	0	DINT	
Int 4-5		D.D. 177	
NI_1752_1:O.Data[7]	0	DINT	
Int 6-7 NI_1752_1:O.Data[8]	0	DINT	
Int 8-9	70(42)	DINT	
NI_1752_1:O.Data[9] Int 10-11	786432	DINI	
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]  DINT 5	0	DINT	
DINT 5			

NI 1752 1.O (Continued)		
NI_1752_1:O (Continued) NI_1752_1:O.Data[16]	0	DINT
DINT 6	v	21.11
NI_1752_1:O.Data[17]	0	DINT
DINT 7 <b>NI 1752 1:O.Data[18]</b>	0	DINT
DINT 8		21111
NI_1752_1:O.Data[19] DINT 9	9	DINT
NI 1752 1:O.Data[20]	10	DINT
DINT 10		
NI_1752_1:O.Data[21] DINT 11	11	DINT
NI_1752_1:O.Data[22]	0	DINT
VBAI:	0	DINT
NI_1752_1:O.Data[23] VBAI:	U	DINI
NI_1752_1:O.Data[24]	0	DINT
VBAI: NI_1752_1:O.Data[25]	0	DINT
VBAI:	V	DIIVI
NI_1752_1:O.Data[26] VBAI:	0	DINT
NI 1752 1:O.Data[27]	0	DINT
VBAI:	•	
NI_1752_1:O.Data[28] VBAI:	0	DINT
NI_1752_1:O.Data[29]	0	DINT
VBAI: NI 1752 1:O.Data[30]	0	DINT
VBAI:	U	DINI
NI_1752_1:O.Data[31]	0	DINT
VBAI: <b>NI 1752 1:O.Data[32]</b>	0	DINT
VBAI:		
NI_1752_1:O.Data[33] VBAI:	0	DINT
NI 1752 1:O.Data[34]	0	DINT
VBAI:	0	DDW
NI_1752_1:O.Data[35] VBAI:	0	DINT
NI_1752_1:O.Data[36]	0	DINT
VBAI: NL 1752 1:O Data[37]	0	DIMT
NI_1752_1:O.Data[37] VBAI:	U	DINT
NI_1752_1:O.Data[38]	0	DINT
VBAI: NI_1752_1:O.Data[39]	0	DINT
111_1/32_1.O.Data[37]	V	DINI

NI_1752_1:O (Continued) VBAI:		
NI_1752_1:O.Data[40] VBAI:	0	DINT
NI_1752_1:O.Data[41]	0	DINT
VBAI: <b>NI_1752_1:O.Data[42]</b>	0	DINT
VBAI: NI_1752_1:O.Data[43]	0	DINT
VBAI: <b>NI_1752_1:O.Data[44]</b>	0	DINT
VBAI: NI_1752_1:O.Data[45]	0	DINT
VBAI:		
NI_1752_1:O.Data[46] VBAI:	0	DINT
<b>NI_1752_1:O.Data[47]</b> VBAI:	0	DINT
NI_1752_1:O.Data[48] VBAI:	0	DINT
NI_1752_1:O.Data[49] VBAI:	0	DINT
NI_1752_1:O.Data[50]	0	DINT
VBAI: NI_1752_1:O.Data[51]	0	DINT
VBAI: <b>NI_1752_1:O.Data[52]</b>	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] VBAI:	0	DINT
NI_1752_1:O.Data[57] VBAI:	0	DINT
NI_1752_1:O.Data[58] VBAI:	0	DINT
NI_1752_1:O.Data[59] VBAI:	0	DINT
NI_1752_1:O.Data[60] VBAI:	0	DINT
NI_1752_1:O.Data[61]	0	DINT
VBAI: <b>NI_1752_1:O.Data[62]</b>	0	DINT
VBAI:		

DINT

NI\_1752\_1:O.Data[86]

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NI_1752_1:O (Continued)		
NI_1752_1:O.Data[63]	0	DINT
VBAI:	0	DDV
NI_1752_1:O.Data[64] VBAI:	0	DINT
NI 1752 1:O.Data[65]	0	DINT
VBAI:		
NI_1752_1:O.Data[66] VBAI:	0	DINT
NI 1752 1:O.Data[67]	0	DINT
VBAI:		
NI_1752_1:O.Data[68]	0	DINT
VBAI: <b>NI_1752_1:O.Data[69]</b>	0	DINT
VBAI:	V	DINI
NI_1752_1:O.Data[70]	0	DINT
VBAI: NI_1752_1:O.Data[71]	0	DINT
VBAI:	U	DINI
NI_1752_1:O.Data[72]	0	DINT
VBAI:	0	DINT
NI_1752_1:O.Data[73] VBAI:	0	DINT
NI_1752_1:O.Data[74]	0	DINT
VBAI:	0	DDV
NI_1752_1:O.Data[75] VBAI:	0	DINT
NI_1752_1:O.Data[76]	0	DINT
VBAI:		
NI_1752_1:O.Data[77] VBAI:	0	DINT
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:	v	
NI_1752_1:O.Data[81]	0	DINT
VBAI: NI_1752_1:O.Data[82]	0	DINT
VBAI:	U	DINI
NI_1752_1:O.Data[83]	0	DINT
VBAI: NI 1752 1:0 Detail941	0	DINT
NI_1752_1:O.Data[84] VBAI:	0	DINT
NI_1752_1:O.Data[85]	0	DINT
VBAI: NI 1752 1:0 Data[86]	0	DINT
N.1 17/57 1*(1) 119f9 X6	U	INNI

0

DINT

DINT

DINT

DINT

AdvManLab - Controller Tag Listing AdvManLab (Controller)
NI_1752_1:O (Continued)
VBAI: <b>NI 1752 1:O.Data[87]</b>
VBAI:
NI_1752_1:O.Data[88]
VBAI:
NI_1752_1:O.Data[89]
VBAI:
NI_1752_1:O.Data[90] VBAI:
NI 1752 1:O.Data[91]
VBAI:
NI_1752_1:O.Data[92]
VBAI:
NI_1752_1:O.Data[93]
VBAI:
NI_1752_1:O.Data[94] VBAI:
NI_1752_1:O.Data[95]
VBAI:
NI_1752_1:O.Data[96]
VBAI:
NI_1752_1:O.Data[97]

VBAI:

NI 1752 1:O.Data[98]

NI\_1752\_1:O.Data[99]

NI\_1752\_1:O.Data[100]

NI\_1752\_1:O.Data[101]

NI\_1752\_1:O.Data[102]

NI\_1752\_1:O.Data[103]

NI\_1752\_1:O.Data[104]

NI\_1752\_1:O.Data[105]

NI\_1752\_1:O.Data[106]

NI\_1752\_1:O.Data[107]

NI\_1752\_1:O.Data[108]

NI\_1752\_1:O.Data[109]

0

0

0

0

0	DIN	ΙT
0	DIN	Т
0	DIN	Т
0	DIN	ΙT
0	DIN	Т
0	DIN	ΙT
0	DIN	Т
0	DIN	ΙT
0	DIN	Т
0	DIN	Т

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NI 1882 1 O (C (C )			
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: <b>NI_1752_1:O.Data[113]</b> VBAI:	0	DINT	
VBAI. NI_1752_1:O.Data[114] VBAI:	0	DINT	
NI_1752_1:O.Data[115] VBAI:	0	DINT	
NI_1752_1:O.Data[116] VBAI:	0	DINT	
NI_1752_1:O.Data[117] VBAI:	0	DINT	
NI_1752_1:O.Data[118] VBAI:	0	DINT	
NI_1752_1:O.Data[119] VBAI:	0	DINT	
NI_1752_1:O.Data[120] VBAI:	0	DINT	
NI_1752_1:O.Data[121] VBAI:	0	DINT	
NI_1752_1:O.Data[122] VBAI:	0	DINT	
NI_1752_1:O.Data[123] VBAI:	0	DINT	
🗓 NI_1752_Camera		MESSAGE	AdvManLab
External Access: NI_1752_Camera - MainProgram/MainRouti	Read/Write ine - *19(MSG)		
I ons	131352	DINT	AdvManLab
Constant	No		
External Access: ONS.0	Read/Write 0	BOOL	
ONS.0 - MainProgram/Cell 1 2 VFD - *7(C	· ·	BOOL	
ONS.21	0	BOOL	
ONS.21 - MainProgram/RFID_1_JW_ZZ - *(	O(ONS)		
PaletClearPreset		DINT[8]	AdvManLab
Constant	No	. ,	
External Access:	Read/Write		
PaletClearPreset[0]	700	DINT	
PaletClearPreset[0] - MainProgram/System - PaletClearPreset[1]	*0(CPT), 2(MOV) 600	DINT	

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PaletClearPreset[2] - MainProgram/System -	700 * <i>I(CPT), 2(MOV)</i>	DINT DINT	
PaletClearPreset[3] - MainProgram/System -		DINI	
Pallet at Cell 2 to Cell 3 Diverter Hold Back S Constant	top No Read/Write	BOOL	AdvManLab
Constant	0 No Read/Write	BOOL	AdvManLab
	No Read/Write	COUNTER	AdvManLab
	No Read/Write	COUNTER	AdvManLab
Constant	0 No Read/Write	BOOL	AdvManLab
	No Read/Write	COUNTER	AdvManLab
	No Read/Write	COUNTER	AdvManLab
Constant	'nan' No Read/Write Speline_ZZ - *2(RTOS)	STRING	AdvManLab

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Part1_Length1 Constant External Access: Part1_Length1 - MainProgram/Cam	'nan' No Read/Write nera_l_Pipeline_ZZ - *2(RTOS)	STRING	AdvManLab
Part1_Length2 Constant External Access: Part1_Length2 - MainProgram/Cam	'nan' No Read/Write nera_1_Pipeline_ZZ - *2(RTOS)	STRING	AdvManLab
Part1_Width1 Constant External Access: Part1_Width1 - MainProgram/Came	'nan' No Read/Write era_1_Pipeline_ZZ - *2(RTOS)	STRING	AdvManLab
Part1_Width2 Constant External Access: Part1_Width2 - MainProgram/Came	'nan' No Read/Write era_1_Pipeline_ZZ - *2(RTOS)	STRING	AdvManLab
PF525_AlarmName1 Constant External Access: PF525_AlarmName1 - MainProgram	No Read/Write m/Cell_1_2_VFD - 5(COP)	STRING	AdvManLab
PF525_AlarmName2 Constant External Access: PF525_AlarmName2 - MainProgram	" No Read/Write m/Cell_3_VFD - 5(COP)	STRING	AdvManLab
PF525_FaultCodeList PowerFlex 525 VFD Fault Codes an Constant External Access: PF525_FaultCodeList - MainProgra	No Read/Write	P_DescList[61]	AdvManLab
PF525_FaultCodeList[0].Code	d Descriptions Code / Description List Entry	P_DescList DINT	
Code / Description List Entry Code to PF525_FaultCodeList[0].Desc Code / Description List Entry Description	'Check drive manual for this fault code'	STRING_40	
PF525_FaultCodeList[0].Desc.LEN Code / Description List Entry Descri	38 ption for given Code	DINT	
PF525_FaultCodeList[0].Desc.DATA Code / Description List Entry Descri		SINT	
PF525_FaultCodeList[1] PowerFlex 525 VFD Fault Codes an PF525_FaultCodeList[1].Code	d Descriptions Code / Description List Entry 2	P_DescList DINT	

PF525\_FaultCodeList[5].Desc.DATA
Code / Description List Entry Description for given Code

SINT

C.105	TO ( TEXTILE ETT ( O IE O CHITTONIC ( O OTTO
DE525 FaultCodel int (Continued)	
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	31KING_40
PF525 FaultCodeList[1].Desc.LEN 15	DINT
Code / Description List Entry Description for given Code	DINI
PF525 FaultCodeList[1].Desc.DATA	SINT
Code / Description List Entry Description for given Code	511.11
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	D. 17. T.
PF525_FaultCodeList[3].Code 4	DINT
Code / Description List Entry Code for which to look up Description	CERRIC 40
PF525_FaultCodeList[3].Desc 'Under Voltage'	STRING_40
Code / Description List Entry Description for given Code	DDIT
PF525_FaultCodeList[3].Desc.LEN 13	DINT
Code / Description List Entry Description for given Code	SINT
PF525_FaultCodeList[3].Desc.DATA Code / Description List Entry Description for given Code	511/1
PF525 FaultCodeList[4]	P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	I_DescList
PF525 FaultCodeList[4].Code 5	DINT
Code / Description List Entry Code for which to look up Description	DINI
PF525 FaultCodeList[4].Desc 'Over Voltage'	STRING 40
Code / Description List Entry Description for given Code	57741110_10
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	CINIT

PF525\_FaultCodeList[10].Code

PF525\_FaultCodeList[10].Desc

PF525 FaultCodeList[10].Desc.LEN

DINT

DINT

STRING\_40

AdvManLab (Controller)

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PF525 FaultCodeList (Continued)	
PF525 FaultCodeList[6]	P DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	1_Descrist
PF525 FaultCodeList[6].Code 7	DINT
Code / Description List Entry Code for which to look up Description	Biiti
PF525 FaultCodeList[6].Desc 'Motor Overload'	STRING_40
Code / Description List Entry Description for given Code	5114110_10
PF525 FaultCodeList[6].Desc.LEN 14	DINT
Code / Description List Entry Description for given Code	BII(I
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	1_Besellist
PF525 FaultCodeList[7].Code 8	DINT
Code / Description List Entry Code for which to look up Description	BILLI
PF525 FaultCodeList[7].Desc 'Heatsink Overtemp'	STRING_40
Code / Description List Entry Description for given Code	51141.13_10
PF525 FaultCodeList[7].Desc.LEN 17	DINT
Code / Description List Entry Description for given Code	BII(I
PF525 FaultCodeList[7].Desc.DATA	SINT
Code / Description List Entry Description for given Code	211.12
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
PowerFlow 525 VED Foult Codes and Descriptions Code / Description List Entry	<del>-</del>

PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry

Code / Description List Entry Code for which to look up Description

Code / Description List Entry Description for given Code

13

12

'Ground Fault'

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	D.D. 177
PF525_FaultCodeList[11].Code 15	DINT
Code / Description List Entry Code for which to look up Description	CEDDIC 40
PF525_FaultCodeList[11].Desc 'Load Loss'	STRING_40
Code / Description List Entry Description for given Code	DINT
PF525_FaultCodeList[11].Desc.LEN 9	DINT
Code / Description List Entry Description for given Code	CINIT
PF525_FaultCodeList[11].Desc.DATA	SINT
Code / Description List Entry Description for given Code	D. Dogo Ligt
PF525_FaultCodeList[12] PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	P_DescList
PF525 FaultCodeList[12].Code 21	DINT
Code / Description List Entry Code for which to look up Description	DINI
PF525 FaultCodeList[12].Desc 'Output Phase Loss'	STRING 40
Code / Description List Entry Description for given Code	51KINO_40
PF525 FaultCodeList[12].Desc.LEN 17	DINT
Code / Description List Entry Description for given Code	DINI
PF525 FaultCodeList[12].Desc.DATA	SINT
Code / Description List Entry Description for given Code	DIIVI
PF525 FaultCodeList[13]	P DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	1_5 4542.54
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	D.D. 11.4
PF525_FaultCodeList[15]	P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	DINT
PF525_FaultCodeList[15].Code 38	DINT
Code / Description List Entry Code for which to look up Description	

PF525\_FaultCodeList (Continued)

PF525_FaultCodeList (Continued)	
	to Ground' STRING_40
Code / Description List Entry Description for given Co	de
PF525_FaultCodeList[15].Desc.LEN 17	DINT
Code / Description List Entry Description for given Co	de
PF525 FaultCodeList[15].Desc.DATA	SINT
Code / Description List Entry Description for given Co	de
PF525 FaultCodeList[16]	P DescList
PowerFlex 525 VFD Fault Codes and Descriptions Cod	
PF525 FaultCodeList[16].Code 39	DINT
Code / Description List Entry Code for which to look u	
	to Ground' STRING_40
Code / Description List Entry Description for given Co	<b>-</b>
PF525 FaultCodeList[16].Desc.LEN 17	DINT
Code / Description List Entry Description for given Co	
PF525 FaultCodeList[16].Desc.DATA	SINT
Code / Description List Entry Description for given Co	
PF525 FaultCodeList[17]	P DescList
PowerFlex 525 VFD Fault Codes and Descriptions Codes	le / Description List Entry
PF525 FaultCodeList[17].Code 40	DINT
Code / Description List Entry Code for which to look u	
	V to Ground' STRING 40
Code / Description List Entry Description for given Co	
PF525 FaultCodeList[17].Desc.LEN 17	DINT
Code / Description List Entry Description for given Co	
PF525 FaultCodeList[17].Desc.DATA	SINT
Code / Description List Entry Description for given Co	
PF525 FaultCodeList[18]	P DescList
PowerFlex 525 VFD Fault Codes and Descriptions Codes	
PF525 FaultCodeList[18].Code 41	DINT
Code / Description List Entry Code for which to look u	
	J-V Short' STRING 40
Code / Description List Entry Description for given Co	
PF525 FaultCodeList[18].Desc.LEN 15	DINT
Code / Description List Entry Description for given Co	
PF525 FaultCodeList[18].Desc.DATA	SINT
Code / Description List Entry Description for given Co	
PF525 FaultCodeList[19]	P DescList
PowerFlex 525 VFD Fault Codes and Descriptions Codes	
PF525 FaultCodeList[19].Code 42	DINT
Code / Description List Entry Code for which to look u	
	J-W Short' STRING 40
Code / Description List Entry Description for given Co	
PF525 FaultCodeList[19].Desc.LEN 15	DINT
Code / Description List Entry Description for given Co	
PF525 FaultCodeList[19].Desc.DATA	SINT
Code / Description List Entry Description for given Co	
PF525 FaultCodeList[20]	P_DescList
<u></u>	

PF525\_FaultCodeList[24].Desc.LEN 14
Code / Description List Entry Description for given Code

DINT

DES25 FaultCodeList (Continued)			
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	DINI		
PF525_FaultCodeList[20].Desc 'Phase V-W Short'	STRING 40		
Code / Description List Entry Description for given Code	STRING_40		
PF525 FaultCodeList[20].Desc.LEN 15	DINT		
Code / Description List Entry Description for given Code	DINI		
PF525 FaultCodeList[20].Desc.DATA	SINT		
Code / Description List Entry Description for given Code	SIIVI		
PF525 FaultCodeList[21]	P DescList		
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	1_5 0005.50		
PF525 FaultCodeList[21].Code 48	DINT		
Code / Description List Entry Code for which to look up Description	21.11		
PF525 FaultCodeList[21].Desc 'Parameters Defaulted'	STRING 40		
Code / Description List Entry Description for given Code	2		
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	GDD 7		
PF525_FaultCodeList[24].Desc 'Drive Overload'	STRING_40		
Code / Description List Entry Description for given Code	DINT		

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	GTDD1G 40
PF525_FaultCodeList[27].Desc 'Opt Net Loss'	STRING_40
Code / Description List Entry Description for given Code	DD III
PF525_FaultCodeList[27].Desc.LEN 12	DINT
Code / Description List Entry Description for given Code	CDIT
PF525_FaultCodeList[27].Desc.DATA	SINT
Code / Description List Entry Description for given Code	D. D I :- 4
PF525_FaultCodeList[28]	P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	DINIT
PF525_FaultCodeList[28].Code 73	DINT
Code / Description List Entry Code for which to look up Description	CTDING 40
PF525_FaultCodeList[28].Desc 'Ethernet Net Loss'	STRING_40
Code / Description List Entry Description for given Code  PF525 FaultCodeList[28].Desc.LEN 17	DINIT
PF525_FaultCodeList[28].Desc.LEN 17 Code / Description List Entry Description for given Code	DINT
PF525 FaultCodeList[28].Desc.DATA	SINT
Code / Description List Entry Description for given Code	SINI
PF525_FaultCodeList[29]	P DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	I _Descrist
PF525 FaultCodeList[29].Code 80	DINT
Code / Description List Entry Code for which to look up Description	DINI
PF525 FaultCodeList[29].Desc 'AutoTune Failure'	STRING 40
1 F325_FauttCoucList[27].Dest AutoTune Faiture	51KINO_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	1_50005150
PF525 FaultCodeList[30].Code 81	DINT
Code / Description List Entry Code for which to look up Description	DIN
PF525 FaultCodeList[30].Desc 'DSI Comm Loss'	STRING 40
Code / Description List Entry Description for given Code	5114110_10
PF525 FaultCodeList[30].Desc.LEN 13	DINT
Code / Description List Entry Description for given Code	DIN
PF525 FaultCodeList[30].Desc.DATA	SINT
Code / Description List Entry Description for given Code	Silvi
PF525 FaultCodeList[31]	P DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	I_Descellst
PF525 FaultCodeList[31].Code 82	DINT
Code / Description List Entry Code for which to look up Description	DINI
PF525 FaultCodeList[31].Desc 'Opt Comm Loss'	STRING 40
Code / Description List Entry Description for given Code	51KiNG_40
PF525 FaultCodeList[31].Desc.LEN 13	DINT
Code / Description List Entry Description for given Code	DINI
PF525 FaultCodeList[31].Desc.DATA	SINT
Code / Description List Entry Description for given Code	SINI
PF525 FaultCodeList[32]	P DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	I_Deschist
PF525 FaultCodeList[32].Code 83	DINT
	DINI
Code / Description List Entry Code for which to look up Description	
Code / Description List Entry Code for which to look up Description  PE525 Foult Code Int 1321 Description  PE525 Fourt Code Int 1321 Description	STRING 40
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss'	STRING_40
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' Code / Description List Entry Description for given Code	_
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.LEN 18	STRING_40 DINT
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.LEN 18 Code / Description List Entry Description for given Code	DINT
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.LEN 18 Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.DATA	_
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.LEN 18 Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.DATA Code / Description List Entry Description for given Code	DINT SINT
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.LEN 18 Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.DATA Code / Description List Entry Description for given Code PF525_FaultCodeList[33]	DINT
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.LEN 18 Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.DATA Code / Description List Entry Description for given Code PF525_FaultCodeList[33] PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	DINT SINT P_DescList
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.LEN 18 Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.DATA Code / Description List Entry Description for given Code PF525_FaultCodeList[33] PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry PF525_FaultCodeList[33].Code 91	DINT SINT
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.LEN 18 Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.DATA Code / Description List Entry Description for given Code PF525_FaultCodeList[33] PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry PF525_FaultCodeList[33].Code 91 Code / Description List Entry Code for which to look up Description	DINT SINT P_DescList DINT
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.LEN 18 Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.DATA Code / Description List Entry Description for given Code PF525_FaultCodeList[33] PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry PF525_FaultCodeList[33].Code 91 Code / Description List Entry Code for which to look up Description PF525_FaultCodeList[33].Desc 'Encoder Loss'	DINT SINT P_DescList
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' Code / Description List Entry Description for given Code  PF525_FaultCodeList[32].Desc.LEN 18 Code / Description List Entry Description for given Code  PF525_FaultCodeList[32].Desc.DATA Code / Description List Entry Description for given Code  PF525_FaultCodeList[33] PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry  PF525_FaultCodeList[33].Code 91 Code / Description List Entry Code for which to look up Description  PF525_FaultCodeList[33].Desc 'Encoder Loss' Code / Description List Entry Description for given Code	DINT SINT P_DescList DINT STRING_40
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' Code / Description List Entry Description for given Code  PF525_FaultCodeList[32].Desc.LEN 18 Code / Description List Entry Description for given Code  PF525_FaultCodeList[32].Desc.DATA Code / Description List Entry Description for given Code  PF525_FaultCodeList[33] PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry  PF525_FaultCodeList[33].Code 91 Code / Description List Entry Code for which to look up Description  PF525_FaultCodeList[33].Desc 'Encoder Loss' Code / Description List Entry Description for given Code  PF525_FaultCodeList[33].Desc 'Encoder Code  PF525_FaultCodeList[33].Desc.LEN 12	DINT SINT P_DescList DINT
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' Code / Description List Entry Description for given Code  PF525_FaultCodeList[32].Desc.LEN 18 Code / Description List Entry Description for given Code  PF525_FaultCodeList[32].Desc.DATA Code / Description List Entry Description for given Code  PF525_FaultCodeList[33] PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry  PF525_FaultCodeList[33].Code 91 Code / Description List Entry Code for which to look up Description  PF525_FaultCodeList[33].Desc 'Encoder Loss' Code / Description List Entry Description for given Code  PF525_FaultCodeList[33].Desc.LEN 12 Code / Description List Entry Description for given Code	DINT SINT P_DescList DINT STRING_40 DINT
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.LEN 18 Code / Description List Entry Description for given Code PF525_FaultCodeList[32].Desc.DATA Code / Description List Entry Description for given Code PF525_FaultCodeList[33] PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry PF525_FaultCodeList[33].Code 91 Code / Description List Entry Code for which to look up Description PF525_FaultCodeList[33].Desc 'Encoder Loss' Code / Description List Entry Description for given Code PF525_FaultCodeList[33].Desc.LEN 12 Code / Description List Entry Description for given Code PF525_FaultCodeList[33].Desc.LEN 12 Code / Description List Entry Description for given Code PF525_FaultCodeList[33].Desc.DATA	DINT SINT P_DescList DINT STRING_40
PF525_FaultCodeList[32].Desc 'Ethernet Comm Loss' Code / Description List Entry Description for given Code  PF525_FaultCodeList[32].Desc.LEN 18 Code / Description List Entry Description for given Code  PF525_FaultCodeList[32].Desc.DATA Code / Description List Entry Description for given Code  PF525_FaultCodeList[33] PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry  PF525_FaultCodeList[33].Code 91 Code / Description List Entry Code for which to look up Description  PF525_FaultCodeList[33].Desc 'Encoder Loss' Code / Description List Entry Description for given Code  PF525_FaultCodeList[33].Desc.LEN 12 Code / Description List Entry Description for given Code  PF525_FaultCodeList[33].Desc.DATA Code / Description List Entry Description for given Code	DINT SINT P_DescList DINT STRING_40 DINT SINT
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PF525 FaultCodeList (Continued)	
PF525 FaultCodeList[34].Code 94	DINT
Code / Description List Entry Code for which to look up Description	Biiti
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	DD III
PF525_FaultCodeList[36].Code 101	DINT
Code / Description List Entry Code for which to look up Description	CERRIC 40
PF525_FaultCodeList[36].Desc 'External Storage'	STRING_40
Code / Description List Entry Description for given Code	DDIT
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	SINI
PF525 FaultCodeList[37]	P DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	I_DescList
PF525 FaultCodeList[37].Code 105	DINT
Code / Description List Entry Code for which to look up Description	DINI
PF525 FaultCodeList[37].Desc 'C Connect Error'	STRING_40
Code / Description List Entry Description for given Code	5114110_10
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

Code / Description List Entry Description for given Code   PF525_FaultCodeList[39]   PowerFlex \$25 VFID Fault Codes and Descriptions Code / Description List Entry	PF525_FaultCodeList (Continued)	
PowerFlex \$25 VFD Fault Codes and Descriptions Code / Description List Entry PF\$25 FaultCodeList[39].Code  PF\$25 FaultCodeList[39].Desc Replaced C-P' STRING_40  Code / Description List Entry Description for given Code PF\$25 FaultCodeList[39].Desc_LEN  Code / Description List Entry Description for given Code PF\$25 FaultCodeList[39].Desc_DATA Code / Description List Entry Description for given Code PF\$25 FaultCodeList[49] PowerFlex \$25 VFD Fault Codes and Descriptions Code / Description List Entry PF\$25 FaultCodeList[40] PF\$25 FaultCodeList[40].Code  Code / Description List Entry Description For given Code PF\$25 FaultCodeList[40].Desc  Mismatch C-P  F\$25 FaultCodeList[40].Desc Mismatch C-P  F\$25 FaultCodeList[40].Desc Mismatch C-P  F\$25 FaultCodeList[40].Desc Mismatch C-P  F\$25 FaultCodeList[40].Desc Mismatch C-P  F\$25 FaultCodeList[40].Desc Mismatch C-P  F\$25 FaultCodeList[40].Desc Mismatch C-P  F\$25 FaultCodeList[40].Desc Mismatch C-P  F\$25 FaultCodeList[40].Desc,DATA Code / Description List Entry Description for given Code  F\$25 FaultCodeList[40].Desc,DATA Code / Description List Entry Description For given Code  F\$25 FaultCodeList[41].Code  110 Code / Description List Entry Description For given Code  F\$25 FaultCodeList[41].Code  110 Code / Description List Entry Description For given Code  F\$25 FaultCodeList[41].Code  110 Code / Description List Entry Description For given Code  F\$25 FaultCodeList[41].Desc  Keypad Membrane'  Keypad Membrane'  STRING_40  Code / Description List Entry Description For given Code  F\$25 FaultCodeList[41].Desc  Keypad Membrane'  STRING_40  Code / Description List Entry Description For given Code  F\$25 FaultCodeList[41].Desc  Keypad Membrane'  STRING_40  Code / Description List Entry Description For given Code  F\$25 FaultCodeList[41].Desc  Keypad Membrane'  STRING_40  Code / Description List Entry Description For given Code  F\$25 FaultCodeList[41].Desc  Keypad Membrane'  STRING_40  Code / Description List Entry Description For given Code  F\$25 FaultCodeList[41].Desc  STRING_40  DIN		
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PF525_FaultCodeList[42].Desc.LEN 15 Code / Description List Entry Description for given Code  PF525_FaultCodeList[42].Desc.DATA Code / Description List Entry Description for given Code  PF525_FaultCodeList[43] PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry  PF525_FaultCodeList[43].Code 114  DINT		_
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PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry  PF525_FaultCodeList[43].Code 114 DINT	Code / Description List Entry Description for given Code	
PF525_FaultCodeList[43].Code 114 DINT		P_DescList
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		DINT
Code / Description List Entry Code for which to look up Description		
PF525 FaultCodeList[43].Desc 'uC Failure' STRING 40		STRING_40
	Code / Description List Entry Description for given Code	
	Code / Description List Entry Description for given Code	

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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	D.D. III
PF525_FaultCodeList[46].Desc.LEN 19	DINT
Code / Description List Entry Description for given Code	CDIT
PF525_FaultCodeList[46].Desc.DATA	SINT
Code / Description List Entry Description for given Code	D. D J 4
PF525_FaultCodeList[47]	P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	DDIT
PF525_FaultCodeList[47].Code 127	DINT
Code / Description List Entry Code for which to look up Description	CTDING 40
PF525_FaultCodeList[47].Desc 'DSI Flash Update Reqd' Code / Description List Entry Description for given Code	STRING_40
	DINT
PF525_FaultCodeList[47].Desc.LEN 21 Code / Description List Entry Description for given Code	DINT
	CINT
PF525_FaultCodeList[47].Desc.DATA Code / Description List Entry Description for given Code	SINT
PF525 FaultCodeList[48]	P DescList
Pr525_FaultCodeList[46] PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	I_Descrist
PF525 FaultCodeList[48].Code 0	DINT
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i	DE525 FoultCodeList (Continued)	
	PF525_FaultCodeList (Continued)	
	Code / Description List Entry Code for which to look up Description	CTDING 40
	PF525_FaultCodeList[48].Desc "	STRING_40
	Code / Description List Entry Description for given Code	DD III
	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	<del>-</del>
	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	SHAT
	PF525 FaultCodeList[50]	P DescList
	PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List	
		DINT
	PF525_FaultCodeList[50].Code  One of a / Description List Entry Code for which to lead up Description	DINI
	Code / Description List Entry Code for which to look up Description	CTDDIC 40
	PF525_FaultCodeList[50].Desc	STRING_40
	Code / Description List Entry Description for given Code	DD III
	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	
	PF525 FaultCodeList[52].Code 0	DINT
	Code / Description List Entry Code for which to look up Description	
	PF525 FaultCodeList[52].Desc "	STRING 40
		STMINO_40
	Code / Description List Entry Description for given Code	DINT
	PF525_FaultCodeList[52].Desc.LEN 0	DINT
	Code / Description List Entry Description for given Code	CINIT
	PF525_FaultCodeList[52].Desc.DATA	SINT
	Code / Description List Entry Description for given Code	

PF525\_FaultCodeList[56].Desc.DATA

PF525\_FaultCodeList[57]

PF525\_FaultCodeList[57].Code

PF525\_FaultCodeList[57].Desc

PF525 FaultCodeList[57].Desc.LEN

Code / Description List Entry Description for given Code

Code / Description List Entry Description for given Code

PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry

Code / Description List Entry Code for which to look up Description

SINT

DINT

DINT

P DescList

STRING\_40

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DE525 F1/C1-1 '-4 (C4'1)	
PF525_FaultCodeList (Continued)	D. Dagal ist
PF525_FaultCodeList[53]	P_DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry PF525 FaultCodeList[53].Code	DINT
PF525_FaultCodeList[53].Code 0 Code / Description List Entry Code for which to look up Description	DINT
PF525 FaultCodeList[53].Desc "	STRING 40
Code / Description List Entry Description for given Code	STRING_40
PF525 FaultCodeList[53].Desc.LEN 0	DINT
Code / Description List Entry Description for given Code	DINI
PF525 FaultCodeList[53].Desc.DATA	SINT
Code / Description List Entry Description for given Code	SINI
PF525 FaultCodeList[54]	P DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	F_DescList
PF525 FaultCodeList[54].Code 0	DINT
Code / Description List Entry Code for which to look up Description	DINI
PF525 FaultCodeList[54].Desc "	STRING 40
Code / Description List Entry Description for given Code	31KING_40
PF525 FaultCodeList[54].Desc.LEN 0	DINT
Code / Description List Entry Description for given Code	DINI
PF525_FaultCodeList[54].Desc.DATA	SINT
Code / Description List Entry Description for given Code	SIIVI
PF525 FaultCodeList[55]	P DescList
PowerFlex 525 VFD Fault Codes and Descriptions Code / Description List Entry	T_Beschist
PF525 FaultCodeList[55].Code 0	DINT
Code / Description List Entry Code for which to look up Description	211,1
PF525 FaultCodeList[55].Desc "	STRING 40
Code / Description List Entry Description for given Code	2
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	
DESAS E LOCALITATECA DA DATA	CIDITE

1

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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	D.D. T.	
PF525_FaultCodeList[58]	diana Cada / Danasindian List Futura	P_DescList	
PowerFlex 525 VFD Fault Codes and Descrip	otions Code / Description List Entry	DINT	
PF525_FaultCodeList[58].Code Code / Description List Entry Code for which	to look up Description	DINI	
PF525 FaultCodeList[58].Desc	" Description	STRING 40	
Code / Description List Entry Description for	given Code	51KHVO_40	
PF525 FaultCodeList[58].Desc.LEN	0	DINT	
Code / Description List Entry Description for	given Code		
PF525 FaultCodeList[58].Desc.DATA	8	SINT	
Code / Description List Entry Description for	given Code		
PF525_FaultCodeList[59]		P_DescList	
PowerFlex 525 VFD Fault Codes and Descrip	otions 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	DDIT	
PF525_FaultCodeList[59].Desc.LEN	U given Code	DINT	
Code / Description List Entry Description for PF525 FaultCodeList[59].Desc.DATA	given Code	SINT	
Code / Description List Entry Description for	given Code	51111	
PF525 FaultCodeList[60]	given code	P DescList	
PowerFlex 525 VFD Fault Codes and Descrip	otions Code / Description List Entry	1_Descript	
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	STRING	Adviviantau
External Access:	Read/Write		
PowerFlexAlarmName1 - MainProgram/Cell			
1 over testitarminamet inami rogrami cen	_1_2_/12		
<b><b>■</b> PowerFlexAlarmName2</b>	II .	STRING	AdvManLab
Constant	No		
External Access:	Read/Write		
PowerFlexAlarmName2 - MainProgram/Cell	_3_VFD - *5(COP)		
d	2		
PowerFlexAlarmTrigger1	0	DINT	AdvManLab
Constant	No Dec 1/Weiter		
External Access:	Read/Write		

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<b>PowerFlexAlarmTrigger1 (Continued)</b> PowerFlexAlarmTrigger1 - MainProgram/Ce	ll_1_2_VFD - *5(MOV), *6(MOV)		
PowerFlexAlarmTrigger2 Constant External Access: PowerFlexAlarmTrigger2 - MainProgram/Ce	0 No Read/Write ll_3_VFD - *5(MOV), *6(MOV)	DINT	AdvManLab
PPX1 Sensor Palet Stop RFID1 (Cell 1 Fanuc Robo AliasFor: Base Tag: Constant External Access: PPX1 - MainProgram/Cell_1_ZZ - 5(XIO), 8	C1_N011:6:I.7 C1_N011:I.Data[6].7 No Read/Write	BOOL	AdvManLab
Sensor Pallet Stop RFID2 (Cell 2 Hold Back AliasFor: Base Tag: Constant External Access: PPX2 - MainProgram/Cell_2_ZZ - 1(XIC)	0 Stop) Conv_N053:3:I.0 Conv_N053:I.Data[3].0 No Read/Write	BOOL	AdvManLab
Sensor Pallet Stop RFID3 (Cell 2 Fanuc Robo AliasFor: Base Tag: Constant External Access: PPX3 - MainProgram/Cell_2_ZZ - 2(XIO), 5	Conv_N053:3:I.1 Conv_N053:I.Data[3].1 No Read/Write	BOOL	AdvManLab
Sensor Pallet Stop RFID4 (Loop 1 Diverter H AliasFor: Base Tag: Constant External Access: PPX4 - MainProgram/Cell_1_ZZ - 1(XIC) PPX4 - MainProgram/Map_Inputs - 1(XIC)	0 fold Back Stop) Conv_N053:3:I.2 Conv_N053:I.Data[3].2 No Read/Write	BOOL	AdvManLab
PPX5 Sensor Pallet Stop (Cell 1 Hold Back) AliasFor: Base Tag: Constant External Access: PPX5 - MainProgram/Cell_1_ZZ - 4(XIC)	Main_N043:3:I.0 Main_N043:I.Data[3].0 No Read/Write	BOOL	AdvManLab

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PPX5 (Continued) PPX5 - MainProgram/Map_Inputs - 0(XIC)			
R1J_Assign Constant External Access: R1J_Assign - MainProgram/RFID_1_JW_ZZ	0 No Read/Write 7 - *10(OTU), *21(OTL), *9(OTL), 10(XIC)	BOOL	AdvManLab
R1J_Check_Process_NO Constant External Access: R1J_Check_Process_NO - MainProgram/RF.	1 No Read/Write ID_1_JW_ZZ - *18(MOV), 19(EQU), 21(NEQ)	DINT	AdvManLab
R1J_Current_Part_NO Constant External Access: R1J_Current_Part_NO - MainProgram/Cell_ R1J_Current_Part_NO - MainProgram/RFIL		SINT	AdvManLab
R1J_Current_Process_NO Constant External Access: R1J_Current_Process_NO - MainProgram/C R1J_Current_Process_NO - MainProgram/R		SINT	AdvManLab
R1J_Read Constant External Access: R1J_Read - MainProgram/RFID_1_JW_ZZ -	0 No Read/Write *0(OTL), *5(OTU), 0(XIO)	BOOL	AdvManLab
¶ R1J_Read_Check_Fail Constant External Access: R1J_Read_Check_Fail - MainProgram/RFIL	0 No Read/Write D_1_JW_ZZ - *18(OTL), *19(OTU), *21(OTU), 19(X	BOOL TC)	AdvManLab
R1J_Read_Check_InProgress     Constant     External Access:     R1J_Read_Check_InProgress - MainProgram	0 No Read/Write n/RFID_1_JW_ZZ - *16(OTL), *17(OTU), 17(XIC)	BOOL	AdvManLab
R1J_Read_Check_Results Constant External Access: R1J_Read_Check_Results - MainProgram/R1	0 No Read/Write FID_1_JW_ZZ - *17(OTL), *18(OTU), 18(XIC)	BOOL	AdvManLab
R1J_Read_Check_Start Constant External Access:	0 No Read/Write	BOOL	AdvManLab

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R1J_Read_Check_Start (Continued)  R1J_Read_Check_Start - MainProgram/RF.	ID_1_JW_ZZ - *14(OTL), *16(OTU), 15(XIC),	16(XIC)	
R1J_Read_Finished Constant External Access: R1J_Read_Finished - MainProgram/Cell_1 R1J_Read_Finished - MainProgram/RFID_	0 No Read/Write _ZZ - *0(OTU), 13(XIC), 4(XIC) 1_JW_ZZ - *4(OTL), *5(OTU)	BOOL	AdvManLab
R1J_Read_InProgress Constant External Access: R1J_Read_InProgress - MainProgram/RFIL	0 No Read/Write D_1_JW_ZZ - *2(OTL), *3(OTU), 3(XIC)	BOOL	AdvManLab
	0 No Read/Write _ <i>JW_ZZ - *3(OTL), *4(OTU), 4(XIC)</i>	BOOL	AdvManLab
R1J_Read_Start Constant External Access: R1J_Read_Start - MainProgram/RFID_1_J	0 No Read/Write W_ZZ - *0(OTL), *2(OTU), 1(XIC), 2(XIC)	BOOL	AdvManLab
R1J_Write Constant External Access: R1J_Write - MainProgram/RFID_1_JW_ZZ	0 No Read/Write - *10(OTL), *12(OTU), 11(XIC), 12(XIC)	BOOL	AdvManLab
R1J_Write_Finished_Check Constant External Access: R1J_Write_Finished_Check - MainProgram	0 No Read/Write /RFID_1_JW_ZZ - *13(OTL), *14(OTU), 14(X	BOOL	AdvManLab
R1J_Write_Inprogress Constant External Access: R1J_Write_Inprogress - MainProgram/RFIL	0 No Read/Write 0_1_JW_ZZ - *12(OTL), *13(OTU), 13(XIC)	BOOL	AdvManLab
R1J_Write_Pass Constant External Access: R1J_Write_Pass - MainProgram/Cell_1_ZZ R1J_Write_Pass - MainProgram/RFID_1_J		BOOL	AdvManLab
R2Z_Current_Part_NO Constant External Access:	2 No Read/Write	DINT	AdvManLab

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DINT

**BOOL** 

**BOOL** 

**BOOL** 

**BOOL** 

**BOOL** 

**BOOL** 

DINT

**SINT** 

## **R2Z** Current Part NO (Continued)

R2Z Current Part NO - MainProgram/RFID 2 ZZ - \*4(MOV)

R2Z Current Process NO Constant No

External Access: Read/Write

R2Z Current Process NO - MainProgram/RFID 2 ZZ - \*4(MOV)

R2Z Read 0

Constant No

External Access: Read/Write

R2Z Read - MainProgram/RFID 2 ZZ - \*0(OTL), \*5(OTU), 0(XIO)

R2Z Read Finished 0 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

Constant No

Read/Write External Access:

R2Z Read InProgress - MainProgram/RFID 2 ZZ - \*2(OTL), \*3(OTU), 3(XIC)

R2Z Read Results 0

Constant No

External Access: Read/Write

R2Z Read Results - MainProgram/RFID 2 ZZ - \*3(OTL), \*4(OTU), 4(XIC)

R2Z Read Start 0

Constant No

External Access: Read/Write

R2Z Read Start - MainProgram/RFID 2 ZZ - \*0(OTL), \*2(OTU), 1(XIC), 2(XIC)

R3J Assign 0 Constant No

External Access: Read/Write

R3J Assign - MainProgram/RFID BU - \*17(OTL), \*5(OTL), \*6(OTU), 6(XIC)

R3J Check Process NO 2

Constant No

External Access: Read/Write

R3J Check Process NO - MainProgram/RFID BU - \*14(MOV), 15(EQU), 17(NEQ)

R3J Current Part NO

Constant No External Access: Read/Write

R3J Current Part NO - MainProgram/Cell 2 ZZ - 10(NEO), 6(EOU)

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R3J_Current_Part_NO (Continued)  R3J_Current_Part_NO - MainProgr R3J_Current_Part_NO - MainProgr	ram/RFID_3_JW - *4(MOV)		
R3J_Current_Process_NO Constant External Access: R3J_Current_Process_NO - MainPr R3J_Current_Process_NO - MainPr R3J_Current_Process_NO - MainPr		SINT	AdvManLab
R3J_Process  Constant External Access: R3J_Process - MainProgram/RFID	0 No Read/Write _BU - *18(OTU), *4(OTL), *5(OTU),	BOOL 5(XIC)	AdvManLab
R3J_Read Constant External Access: R3J_Read - MainProgram/RFID_3 R3J_Read - MainProgram/RFID_B		BOOL	AdvManLab
R3J_Read_Check_Fail Constant External Access: R3J_Read_Check_Fail - MainProgram R3D_RAM R3D_RA	0 No Read/Write ram/RFID_1_JW_ZZ - 21(XIC) ram/RFID_BU - *14(OTL), *15(OTU),	BOOL *17(OTU), 15(XIC), 17(XIC)	AdvManLab
R3J_Read_Check_InProgress  Constant External Access: R3J_Read_Check_InProgress - Mai	0 No Read/Write inProgram/RFID_BU - *12(OTL), *13	BOOL (OTU), 13(XIC)	AdvManLab
R3J_Read_Check_Results Constant External Access: R3J_Read_Check_Results - MainPr	0 No Read/Write rogram/RFID_BU - *13(OTL), *14(OT	BOOL U), 14(XIC)	AdvManLab
R3J_Read_Check_Start Constant External Access: R3J_Read_Check_Start - MainProg	0 No Read/Write gram/RFID_BU - *10(OTL), *12(OTU)	BOOL , 11(XIC), 12(XIC)	AdvManLab
R3J_Read_Finished Constant External Access: R3J_Read_Finished - MainProgram R3J_Read_Finished - MainProgram		BOOL	AdvManLab

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<b>R3J_Read_Finished (Continued)</b> <i>R3J_Read_Finished - MainProgram/RFID</i> _	_BU - *18(OTU), *4(OTL)		
R3J_Read_InProgress  Constant External Access:  R3J_Read_InProgress - MainProgram/RFIL  R3J_Read_InProgress - MainProgram/RFIL		BOOL	AdvManLab
R3J_Read_Results Constant External Access: R3J_Read_Results - MainProgram/RFID_3 R3J_Read_Results - MainProgram/RFID_E		BOOL	AdvManLab
R3J_Read_Start Constant External Access: R3J_Read_Start - MainProgram/RFID_3_J R3J_Read_Start - MainProgram/RFID_BU		BOOL	AdvManLab
R3J_Write Constant External Access: R3J_Write - MainProgram/RFID_BU - *6(0)	0 No Read/Write <i>OTL)</i> , *8( <i>OTU)</i> , 7(XIC), 8(XIC)	BOOL	AdvManLab
R3J_Write_Finished_Check Constant External Access: R3J_Write_Finished_Check - MainProgram	0 No Read/Write n/RFID_BU - *10(OTU), *9(OTL), 10(XIC)	BOOL	AdvManLab
R3J_Write_Inprogress Constant External Access: R3J_Write_Inprogress - MainProgram/RFI	0 No Read/Write D_BU - *8(OTL), *9(OTU), 9(XIC)	BOOL	AdvManLab
R3J_Write_Pass Constant External Access: R3J_Write_Pass - MainProgram/Cell_2_ZZ R3J_Write_Pass - MainProgram/RFID_BU		BOOL	AdvManLab
R5Z_Current_Part_NO Constant External Access: R5Z_Current_Part_NO - MainProgram/RF	2 No Read/Write ID_5_ZZ - *4(MOV)	DINT	AdvManLab
<b>■</b> R5Z_Current_Process_NO	2	DINT	AdvManLab

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R5Z_Current_Process_NO (Continued) Constant External Access: R5Z_Current_Process_NO - MainProgrammers	No Read/Write		
¶ R5Z_Read Constant External Access: R5Z_Read - MainProgram/RFID_5_ZZ	0 No Read/Write 7 - *0(OTL), *5(OTU), 0(XIO)	BOOL	AdvManLab
R5Z_Read_Finished Constant External Access: R5Z_Read_Finished - MainProgram/RI	0 No Read/Write FID_5_ZZ - *4(OTL), *5(OTU)	BOOL	AdvManLab
R5Z_Read_InProgress Constant External Access: R5Z_Read_InProgress - MainProgram/	0 No Read/Write (RFID_5_ZZ - *2(OTL), *3(OTU), 3(XIC)	BOOL	AdvManLab
R5Z_Read_Results Constant External Access: R5Z_Read_Results - MainProgram/RFI	0 No Read/Write ID_5_ZZ - *3(OTL), *4(OTU), 4(XIC)	BOOL	AdvManLab
R5Z_Read_Start Constant External Access: R5Z_Read_Start - MainProgram/RFID	0 No Read/Write _5_ZZ - *0(OTL), *2(OTU), 1(XIC), 2(XIC)	BOOL	AdvManLab
R6S_Check_Current_Part_NO Constant External Access: R6S_Check_Current_Part_NO - MainF	2 No Read/Write Program/RFID_6_Clear_All_ZZ - *10(MOV)	DINT	AdvManLab
R6S_Check_Current_Process_NO Constant External Access: R6S_Check_Current_Process_NO - Ma	2 No Read/Write inProgram/RFID_6_Clear_All_ZZ - *10(MOV)	DINT	AdvManLab
R6S_User_Input_Part_NO Constant External Access: R6S_User_Input_Part_NO - MainProgr	2 No Read/Write ram/RFID_6_Clear_All_ZZ - 12(MOV)	DINT	AdvManLab
R6S_User_Input_Process_NO Constant External Access:	2 No Read/Write	DINT	AdvManLab  Logix Design
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R6S_User_Input_Process_NO (Con- R6S_User_Input_Process_NO - Ma	tinued) iinProgram/RFID_6_Clear_All_ZZ - 16(M	OV)	
R6Z_Check_Read_PB Constant External Access: R6Z_Check_Read_PB - MainProgr	0 No Read/Write ram/RFID_6_Clear_All_ZZ - 5(XIC)	BOOL	AdvManLab
R6Z_Clear_All_PB Constant External Access: R6Z_Clear_All_PB - MainProgram	0 No Read/Write a/RFID_6_Clear_All_ZZ - 0(XIC)	BOOL	AdvManLab
R6Z_Write_Check Constant External Access: R6Z_Write_Check - MainProgram/	0 No Read/Write RFID_6_Clear_All_ZZ - *12(OTL), *14(O	BOOL TU), 13(XIC), 14(XIC)	AdvManLab
R6Z_Write_Check_1 Constant External Access: R6Z_Write_Check_1 - MainProgram	0 No Read/Write m/RFID_6_Clear_All_ZZ - *16(OTL), *18	BOOL (OTU), 17(XIC), 18(XIC)	AdvManLab
R6Z_Write_Inprogress_Check Constant External Access: R6Z_Write_Inprogress_Check - Ma	0 No Read/Write inProgram/RFID_6_Clear_All_ZZ - *14(C	BOOL OTL), *15(OTU), 15(XIC)	AdvManLab
R6Z_Write_Inprogress_Check_1 Constant External Access: R6Z_Write_Inprogress_Check_1 - 1	0 No Read/Write MainProgram/RFID_6_Clear_All_ZZ - *18	BOOL 2(OTL), *19(OTU), 19(XIC)	AdvManLab
R6Z_Write_Test Constant External Access: R6Z_Write_Test - MainProgram/RF	0 No Read/Write FID_6_Clear_All_ZZ - *11(OTL), *12(OTU	BOOL 7), 12(XIC)	AdvManLab
R6Z_Write_Test_1 Constant External Access: R6Z_Write_Test_1 - MainProgram/	0 No Read/Write (RFID_6_Clear_All_ZZ - *15(OTL), *16(O	BOOL TU), 16(XIC)	AdvManLab
R6Z_Write_Test_PB Constant External Access: R6Z_Write_Test_PB - MainProgram	0 No Read/Write n/RFID_6_Clear_All_ZZ - 11(XIC)	BOOL	AdvManLab

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RelC1HoldBack Constant External Access:	No Read/Write	TIMER	AdvManLab
RelC1HoldBack - MainProgram/Cell_1_ZZ - RelC1HoldBack.PRE RelC1HoldBack.PRE - MainProgram/System	*5(TON) 700	DINT	
<b>RelC1HoldBack.TT</b> RelC1HoldBack.TT - MainProgram/Cell_1_Z	0	BOOL	
RelC1RobotStop  Constant	No	TIMER	AdvManLab
External Access:  RelC1RobotStop.PRE  RelC1RobotStop.PRE - MainProgram/System	Read/Write 600	DINT	
RelC2HoldBack     Constant	No	TIMER	AdvManLab
External Access:  RelC2HoldBack - MainProgram/Cell 2 ZZ -	Read/Write		
RelC2HoldBack.PRE RelC2HoldBack.PRE - MainProgram/System	700	DINT	
RelC2HoldBack.TT  RelC2HoldBack.TT - MainProgram/Cell_2_Z	0	BOOL	
1 RelC2RobotStop	N.	TIMER	AdvManLab
Constant External Access: RelC2RobotStop.PRE RelC2RobotStop.PRE - MainProgram/System	No Read/Write 600 - *2(MOV)	DINT	
## RFID_N054:I	. ,	AB:56RF IN IPD22A SINT:I:0	AdvManLab
Constant	No	71B.30Id _II \_ II B2271_0II \	Tavivanio
External Access:  RFID_N054:I.Channel[0].TagPresent  RFID1	Read/Write 0	BOOL	
RFIDT RFIDTP1 - MainProgram/Cell_1_ZZ - 12(XIO RFIDTP1 - MainProgram/Cloud_Team_ZZ - RFIDTP1 - MainProgram/RFID_1_JW_ZZ - RFIDTP1 - MainProgram/RFID_HMI - 1(XIO	0(XIC) 0(XIC), 10(XIC), 5(XIO)		
RFID_N054:I.Channel[0].Busy	0 am/RFID_1_JW_ZZ - 0(XIO), 10(XIO), 12(XIC), 13(2	BOOL XIO), 16(XIC), 17(XIO), 2(XIC), 3(XIO)	
RFID_N054:I.Channel[0].Command RFID_N054:I.Channel[0].Command - MainF	0 Program/RFID_1_JW_ZZ - 1(EQU), 11(EQU), 13(EQ	INT QU), 15(EQU), 17(EQU), 3(EQU)	
RFID_N054:I.Channel[0].Command - MainF RFID_N054:I.Channel[0].Data[2]	0	SINT	
RFID_N054:I.Channel[0].Data[2] - MainPro RFID_N054:I.Channel[0].Data[3]	ogram/KF1D_HMI - 4(MOV) 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]
                                                                                       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]
                                                                                       SINT
    RFID N054:I.Channel[0].Data[7] - MainProgram/RFID HMI - 4(MOV)
  RFID N054:I.Channel[0].Data[8]
                                                                                       SINT
    RFID N054:I.Channel[0].Data[8] - MainProgram/RFID HMI - 4(MOV)
  RFID N054:I.Channel[0].Data[9]
                                                                                       SINT
    RFID N054:I.Channel[0].Data[9] - MainProgram/RFID HMI - 4(MOV)
  RFID N054:I.Channel[0].Data[10]
                                                                                       SINT
    RFID N054:I.Channel[0].Data[10] - MainProgram/RFID HMI - 4(MOV)
  RFID N054:I.Channel[1].TagPresent
                                                                                       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
                                                                                       BOOL
    RFID N054:I.Channel[1].Busy - MainProgram/RFID 2 ZZ - 0(XIO), 2(XIC), 3(XIO)
                                                                                       INT
  RFID N054:I.Channel[1].Command
    RFID N054:I.Channel[1].Command - MainProgram/RFID 2 ZZ - 1(EQU), 3(EQU)
  RFID N054:I.Channel[1].Data[3]
                                                                                       SINT
    RFID N054:I.Channel[1].Data[3] - MainProgram/RFID 2 ZZ - 4(MOV)
                                                                                       SINT
  RFID N054:I.Channel[1].Data[4]
    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
                                           Read/Write
    External Access:
  RFID N054:O.Channel[0].Command
                                                                                       INT
    RFID N054:O.Channel[0].Command - MainProgram/RFID 1 JW ZZ - *0(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
    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
    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]
                                                                                       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]
                                                                                       SINT
    RFID N054:O.Channel[0].Data[1] - MainProgram/RFID HMI - *1(MOV)
  RFID N054:O.Channel[1].Command
                                                                                       INT
    RFID N054:O.Channel[1].Command - MainProgram/RFID 2 ZZ - *0(MOV), *1(MOV)
  RFID N054:O.Channel[1].Address
                                                                                       INT
```

```
RFID N054:O (Continued)
    RFID N054:O.Channel[1].Address - MainProgram/RFID 2 ZZ - *0(MOV)
  RFID N054:O.Channel[1].Length
                                                                                        INT
    RFID N054:O.Channel[1].Length - MainProgram/RFID 2 ZZ - *0(MOV)
  RFID N054:O.Channel[1].Data[0]
                                                                                        SINT
    RFID N054:O.Channel[1].Data[0] - MainProgram/RFID 2 ZZ - *0(MOV)
  RFID N054:O.Channel[1].Data[1]
                                                                                        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
                                                                                        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
                                                                                        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
                                                                                        INT
    RFID N055:I.Channel[0].Command - MainProgram/RFID 3 JW - 1(EQU), 3(EQU)
    RFID N055:1.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(EOU), 8(EOU)
  RFID N055:I.Channel[0].Data[2]
                                                                                        SINT
    RFID N055:I.Channel[0].Data[2] - MainProgram/RFID HMI - 10(MOV)
  RFID N055:I.Channel[0].Data[3]
                                                                                        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]
                                                                                        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]
                                                                                        SINT
    RFID N055:I.Channel[0].Data[7] - MainProgram/RFID HMI - 10(MOV)
  RFID N055:I.Channel[0].Data[8]
                                                                                        SINT
    RFID N055:I.Channel[0].Data[8] - MainProgram/RFID HMI - 10(MOV)
  RFID N055:I.Channel[0].Data[9]
                                                                                        SINT
    RFID N055:I.Channel[0].Data[9] - MainProgram/RFID HMI - 10(MOV)
  RFID N055:I.Channel[0].Data[10]
                                                                                        SINT
    RFID N055:I.Channel[0].Data[10] - MainProgram/RFID HMI - 10(MOV)
  RFID N055:I.Channel[1].TagPresent
                                                                                        BOOL
    RFID4
    RFIDTP4 - MainProgram/Cloud Team ZZ - 9(XIC)
```

RFID N056:I.Channel[0].Data[7] - MainProgram/RFID HMI - 16(MOV)

RFID N056:I.Channel[0].Data[8]

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```
RFID N055:I (Continued)
    RFIDTP4 - MainProgram/Control Valve - 24(XIC)
▮ RFID N055:O
                                                                                                                                    AdvManLab
                                                                                        AB:56RF IN IPD22A SINT:O:0
    Constant
                                           No
    External Access:
                                           Read/Write
  RFID N055:O.Channel[0].Command
                                                                                        INT
    RFID N055:O.Channel[0].Command - MainProgram/RFID 3 JW - *0(MOV), *1(MOV)
    RFID N055: O. Channel [0]. Command - Main Program / 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
                                                                                        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
                                                                                        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]
                                                                                        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)
1 RFID N056:I
                                                                                        AB:56RF IN IPD22A SINT:I:0
                                                                                                                                    AdvManLab
    Constant
                                           No
    External Access:
                                           Read/Write
  RFID N056:I.Channel[0].TagPresent
                                                                                        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
                                                                                        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
                                                                                        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]
                                                                                        SINT
    RFID N056:I.Channel[0].Data[2] - MainProgram/RFID HMI - 16(MOV)
  RFID N056:I.Channel[0].Data[3]
                                                                                        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]
                                                                                        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]
                                                                                        SINT
```

**SINT** 

```
RFID N056:I (Continued)
    RFID N056:I.Channel[0].Data[8] - MainProgram/RFID HMI - 16(MOV)
  RFID N056:I.Channel[0].Data[9]
                                                                                        SINT
    RFID N056:I.Channel[0].Data[9] - MainProgram/RFID HMI - 16(MOV)
  RFID N056:I.Channel[0].Data[10]
                                                                                        SINT
    RFID N056:I.Channel[0].Data[10] - MainProgram/RFID HMI - 16(MOV)
  RFID N056:I.Channel[1].TagPresent
                                                                                        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
                                                                                        BOOL
    RFID N056:1.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
    RFID N056:1.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 - I(EQU), 11(EQU), 13(EQU), 3(EQU), 7(EQU), 9(EQU)
  RFID N056:I.Channel[1].Data[3]
                                                                                        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)
                                                                                        SINT
  RFID N056:I.Channel[1].Data[4]
    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
                                            Read/Write
    External Access:
  RFID N056:O.Channel[0].Command
                                                                                        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
                                                                                        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
                                                                                        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]
                                                                                        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
                                                                                        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 - Main Program / RFID 6 ZZ - *0(MOV), *1(MOV), *10(MOV), *11(MOV), *6(MOV), *7(MOV)
  RFID N056:O.Channel[1].Address
                                                                                        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
    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]
                                                                                      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
                                           Read/Write
    External Access:
    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)
                                                                                      DINT
RFID ReadData1processtime
                                                                                                                                  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]
                                                                                      SINT
    RFID ReadData1timer[0] - MainProgram/RFID HMI - *4(MOV)
  RFID ReadData1timer[1]
                                                                                      SINT
    RFID ReadData1timer[1] - MainProgram/RFID HMI - *4(MOV)
  RFID ReadData1timer[2]
                                                                                      SINT
    RFID ReadData1timer[2] - MainProgram/RFID HMI - *4(MOV)
  RFID ReadData1timer[3]
                                                                                      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)
```

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RFID_ReadData3process  Constant External Access:  RFID_ReadData3process - MainProgram/I	0 No Read/Write RFID_HMI - *10(MOV)	DINT	AdvManLab
RFID_ReadData3processtime Constant External Access: RFID_ReadData3processtime - MainProgr	0 No Read/Write am/RFID_HMI - *10(COP)	DINT	AdvManLab
RFID_ReadData3timer Constant External Access: RFID ReadData3timer - MainProgram/RF	No Read/Write	SINT[4]	AdvManLab
RFID_ReadData3timer[0]  RFID ReadData3timer[0] - MainProgram.	0	SINT	
RFID_ReadData3timer[1]  RFID ReadData3timer[1] - MainProgram.	0 /RFID HMI - *10(MOV)	SINT	
RFID_ReadData3timer[2]  RFID ReadData3timer[2] - MainProgram.	0 - /RFID HMI - *10(MOV)	SINT	
RFID_ReadData3timer[3]  RFID_ReadData3timer[3] - MainProgram.	0	SINT	
RFID_ReadData5 Constant External Access: RFID_ReadData5 - MainProgram/RFID_E	0 No Read/Write <i>HMI - *16(MOV)</i>	SINT	AdvManLab
RFID_ReadData5p Constant External Access: RFID_ReadData5p - MainProgram/Map_I. RFID_ReadData5p - MainProgram/RFID_		DINT	AdvManLab
RFID_ReadData5process  Constant External Access:  RFID_ReadData5process - MainProgram/I	2 No Read/Write RFID_HMI - *16(MOV)	DINT	AdvManLab
RFID_ReadData5processtime Constant External Access: RFID_ReadData5processtime - MainProgr	0 No Read/Write am/RFID_HMI - *16(COP)	DINT	AdvManLab
RFID_ReadData5timer Constant External Access: RFID_ReadData5timer - MainProgram/RF	No Read/Write <i>TID_HMI - 16(COP)</i>	SINT[4]	AdvManLab

RFID Tag at Cell 2 Stop

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RFID ReadData5timer (Continued	n.		
RFID ReadDataStimer[0]	0	SINT	
RFID ReadData5timer[0] - Main.	Program/RFID_HML = *16/MOV)	SINI	
RFID ReadData5timer[0] - Main.	0	SINT	
RFID ReadData5timer[1] - Main.	ů	SIIVI	
RFID ReadData5timer[1] - Watt.	0	SINT	
RFID ReadData5timer[2] - Main.	· ·	Silvi	
RFID ReadData5timer[3]	0	SINT	
$RFID\_ReadData5timer[3]$ - Main.	ů		
I RFID_Write_1	1	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
RFID_Write_1 - MainProgram/RF			
1 RFID_Write_3	1	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
RFID_Write_3 - MainProgram/RF	TID_HMI - *11(OTL)		
<b>☐</b> RFID_Write_5	1	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
RFID_Write_5 - MainProgram/RF	FID_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		
	ZZ - 12(XIO), 13(XIO), 18(XIO), 4(XIC), 4(XIO), 9(XIC)		
RFIDTP1 - MainProgram/Cloud_			
	!_JW_ZZ - 0(XIC), 10(XIC), 5(XIO)		
RFIDTP1 - MainProgram/RFID_I	HMI - 1(XIC), 2(XIC)		
₿ RFIDTP2	0	BOOL	AdvManLab
RFID Tag at Cell 2 Hold Back Sto			
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_			
RFIDTP2 - MainProgram/Cloud_			
RFIDTP2 - MainProgram/RFID_2	2_ZZ - 0(XIC), 5(XIO)		
¶ RFIDTP3	0	BOOL	AdvManLab
DEID T4 C-11 2 C4			

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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			
RFIDTP3 - MainProgram/Cloud_Team_Z			
RFIDTP3 - MainProgram/RFID_3_JW - (			
RFIDTP3 - MainProgram/RFID_BU - 0(X			
RFIDTP3 - MainProgram/RFID_HMI - 7	(XIC), 8(XIC)		
RFIDTP4	0	BOOL	AdvManLab
RFID Tag at Cell C23 Hold Back Stop	v	B 0 0 E	1 KU T TUILLUO
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 Z.			
RFIDTP4 - MainProgram/Control_Valve -			
1 DEVETO	0	DOO!	ALM. I.I
RFIDTP5	0	BOOL	AdvManLab
RFID Tag at Cell 3 Stop	DEID NOSCI Chamaliol Tarburant		
AliasFor:	RFID_N056:I.Channel[0].TagPresent		
Base Tag:	RFID_N056:I.Channel[0].TagPresent		
Constant	No Read/Write		
External Access:			
RFIDTP5 - MainProgram/Cloud_Team_Z. RFIDTP5 - MainProgram/RFID_5_ZZ - 0			
RFIDTP5 - MainFrogram/RFID_5_2Z - 0 RFIDTP5 - MainProgram/RFID_HMI - 1.			
Ki 1D11 5 Matin rogram/Ki 1D_11M1 1.	5(MC), 14(MC)		
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(2			
RFIDTP6 - MainProgram/Cloud_Team_Z			
	All_ZZ - 1(XIC), 12(XIC), 16(XIC), 6(XIC)		
RFIDTP6 - MainProgram/RFID_6_ZZ - 0	O(XIC), $O(XIC)$		
Robot1_Busy_ZZ	0	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
Robot1_Busy_ZZ - MainProgram/Cell_1_			
		Door	
Robot1_DroppedP1	1	BOOL	AdvManLab
Constant	No		

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Robot1_DroppedP1 (Continued)			
External Access:	Read/Write		
Robot1_DroppedP1 - MainProgram/RFII	D_1_JW_ZZ - *20(OTU), *6(OTL), 10	O(XIC), 19(XIC), 20(XIC), 21(XIC), 9(XIC)	
Robot1_DroppedP2	1	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
Robot1_DroppedP2 - MainProgram/RFII	D_1_JW_ZZ - *20(OTU), *7(OTL), 10	O(XIC), 19(XIC), 20(XIC), 21(XIC), 9(XIC)	
a			
■ Robot1_Flipped	1	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
Robot1_Flipped - MainProgram/RFID_1	_JW_ZZ - *20(OTU), *8(OTL), 10(XI	(C), 19(XIC), 20(XIC), 21(XIC), 9(XIC)	
		DOOL	41.76
B 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	BOOL	AdvivianLau
	- 1-		
External Access:	Read/Write		
Robot2_DroppedP3 - MainProgram/RFII	$D_BU - *10(O1U), 10(XIC), 3(XIC)$		
■ Robot2_DroppedP4	0	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
Robot2 DroppedP4 - MainProgram/RFII			
Robbiz_Broppear 4 Main rogram/Ri II	D_BC 10(010), 10(MC), 3(MC)		
Robot2DroppedPart	0	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
Robot2DroppedPart - MainProgram/RFI			
The contact of pour with the will be	2_20 (1110)		
■ RunABBLoopatSpeed	0	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
RunABBLoopatSpeed - MainProgram/Un	nused_Vernnaliz - *1(OTE)		
d p is is		D. 0.7	
1 RunASynchCase	0	BOOL	AdvManLab
Constant	No		
External Access:	Read/Write		
RunASynchCase - MainProgram/Unused	_Vernnaliz - 3(XIC)		
1 RunCont	0	BOOL	AdvManLab
	No	DOOL	AuvivialiLau
Constant			
External Access:	Read/Write		
RunCont - MainProgram/Unused_Vernna	uuz - *0(O1E), 1(XIC)		

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	1 No Read/Write ndGates - *0(OTE), *11(OTE), *17(OTE), *5(OTE) outs - *0(OTE), *12(OTE), *16(OTE), *2(OTE), *7(Outputs - *1(OTE)	BOOL OTE)	AdvManLab
RunPartOnCNC1 Constant External Access: RunPartOnCNC1 - MainProgram/CNC1 - *6	0 No Read/Write <i>O(OTL)</i> , *2(OTU), 1(XIC), 2(XIC)	BOOL	AdvManLab
RunPartOnCNC2 Constant External Access: RunPartOnCNC2 - MainProgram/CNC2 - *0	0 No Read/Write 0(OTL), *2(OTU), 1(XIC), 2(XIC)	BOOL	AdvManLab
RunpartOnCNC3 Constant External Access: RunpartOnCNC3 - MainProgram/Cell 2 ZZ RunpartOnCNC3 - MainProgram/CNC3 - *0		BOOL	AdvManLab
RunPartOnCNC4 Constant External Access: RunPartOnCNC4 - MainProgram/Cell_2_ZZ RunPartOnCNC4 - MainProgram/CNC4 - *6		BOOL	AdvManLab
RunSynch Constant External Access: RunSynch - MainProgram/Unused_Vernnaliz	0 No Read/Write - *2(OTE)	BOOL	AdvManLab
RunSynchCase Constant External Access: RunSynchCase - MainProgram/Unused_Vern	1 No Read/Write naliz - 2(XIC)	BOOL	AdvManLab
Pump 105 Motor (PowerFlex 525 drive) Constant External Access: SC105 - MainProgram/Unused PF52x - *0(1)	No Read/Write P PF52x)	P_PF52x	AdvManLab
SC105.EnableIn Pump 105 Motor (PowerFlex 525 drive) Enal SC105.EnableOut Pump 105 Motor (PowerFlex 525 drive) Enal	0 ple Input - System Defined Parameter 0	BOOL BOOL	

SC105 (Continued)	
SC105.Inp FwdPermOK 1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Permissives OK, drive can start Forward	2002
SC105.Inp FwdNBPermOK 1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Non-Bypassable Permissives OK, drive can start For	
SC105.Inp RevPermOK	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Permissives OK, drive can start Reverse	BOOL
SC105.Inp RevNBPermOK 1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Non-Bypassable Permissives OK, motor can start Ro	
SC105.Inp IntlkOK	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Interlocks OK, drive can start/run	DOOL
SC105.Inp NBIntlkOK 1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Non-Bypassable Interlocks OK, drive can start/run	BOOL
SC105.Inp IOFault  0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Input Communication Status 0=OK, 1=fail	BOOL
SC105.Inp Sim  0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Simulate working drive; 0=Start/Stop/ Monitor actual	
SC105.Inp Hand  0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Acquire Hand (typ. hardwired local) Mode, 0=Relea	
	BOOL
SC105.Inp_Ovrd 0 Pump 105 Motor (PowerFlex 525 drive)	BOOL
	SINT
SC105.Inp_OvrdCmd 0  Dymn 105 Mater (PayerFlay 525 drive) Override Made Command: 0=None, 1=Step, 2=Stept F	
Pump 105 Motor (PowerFlex 525 drive) Override Mode Command: 0=None, 1=Stop, 2=Start F	
SC105.Inp_OvrdSpeed 0.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Value to set Speed Reference in Override Mode (Speed	
SC105.Inp_Reset 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Reset drive fault conditions and latched Alarms	DOOL
SC105.Cfg_HasReverse 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive can be run reverse, 0=Forward only	DOOL
SC105.Cfg_HasJog 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive Jog Command enabled/visible, 0=Drive Jog C	
SC105.Cfg_AllowLocal 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Allow Local Start/Stop without alarm, 0=Start/Stop	1 - 1
SC105.Cfg_HasFwdPermObj 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Tells HMI a P_Perm is connected to Inp_FwdPerm	DOOL
SC105.Cfg_HasRevPermObj 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Tells HMI a P_Perm is connected to Inp_RevPerm	Door
SC105.Cfg_HasIntlkObj 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Tells HMI a P_Intlk is connected to Inp_Intlk	D.O.F.
SC105.Cfg_HasResInhObj 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Tells HMI a P_ResInh Restart Inhibit is connected	D.O.F.
SC105.Cfg_HasRunTimeObj 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Tells HMI a P_RunTime is connected	D. 0.7
SC105.Cfg_SetTrack	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=PSets track OSets in Oper, OSets track PSets in Prog	
SC105.Cfg_SetTrackOvrdHand 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Prog/Oper Settings track Override/Hand speed refer	
SC105.Cfg_PCmdClear	BOOL

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SC105 (Continued)		
Pump 105 Motor (PowerFlex 525 drive)		
SC105.Cfg ProgDefault	0	BOOL
Pump 105 Motor (PowerFlex 525 drive)	O .	BOOL
SC105.Cfg_OperStopPrio	0	BOOL
	1=OCmd Stop has priority, accepted any time, 0=OCmd	_ 0 0 _
SC105.Cfg OCmdResets	o octing_stop has priority, accepted any time, o-octing_	BOOL
	1=New Oper drive cmd. resets fault, 0=reset req'd to clea	
	1-New Oper drive cind. resets radit, 0-reset requito clea	BOOL
SC105.Cfg_OvrdPermIntlk	1=Override ignores Bypassable Perm/ Intlk; 0=always us	
. ,	1=Override ignores Bypassable Perm/ intik; 0=aiways us	
SC105.Cfg_ShedOnFailToStart		BOOL
	1=Stop Motor and Alarm on Fail to Start; 0=Alarm only of	
SC105.Cfg_ShedOnIOFault	1 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BOOL
	1=Stop Motor and Alarm on I/O Fault; 0=Alarm only on	
SC105.Cfg_SimScaleEU	0	BOOL
	1=In simulation, scale Speed Ref EU to Speed Fdbk EU	
SC105.Cfg_SimScaleRaw	0	BOOL
	1=In simulation, scale Speed Ref EU to raw, then raw to S	•
SC105.Cfg_HasFailToStartAlm	0	BOOL
	1=Fail to Start Alarm exists and will be checked	
SC105.Cfg_HasFailToStopAlm	0	BOOL
	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
	1=Reset requied to clear Fail to Start Alarm	
SC105.Cfg FailToStopResetReqd	0	BOOL
	1=Reset required to clear Fail to Stop Alarm	
SC105.Cfg IntlkTripResetReqd	0	BOOL
	1=Reset required to clear Interlock Trip Alarm	
SC105.Cfg DriveFaultResetReqd	0	BOOL
	1=Reset required to clear Drive Fault Alarm	BOOL
SC105.Cfg IOFaultResetReqd	0	BOOL
	1=Reset required to clear I/O Fault Alarm	BOOL
SC105.Cfg FailToStartAckReqd	1	BOOL
	1=Acknowledge required for Fail to Start Alarm	BOOL
SC105.Cfg FailToStopAckReqd	1	BOOL
	1=Acknowledge required for Fail to Stop Alarm	BOOL
SC105.Cfg IntlkTripAckReqd	1 - Acknowledge required for Fall to Stop Alarm	BOOL
	1 1- A almost adag required for Interlegal Trin Alarms	DOOL
	1=Acknowledge required for Interlock Trip Alarm	DOOL
SC105.Cfg_DriveFaultAckReqd	1 1—A almost data magning differ Delice Delice Delice Aleman	BOOL
	1=Acknowledge required for Drive Fault Alarm	DOOL
SC105.Cfg_IOFaultAckReqd	1 1-A-11-1	BOOL
rump 103 Motor (PowerFlex 323 drive)	1=Acknowledge required for I/O Fault Alarm	

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SC105 (Continued)	
SC105.Cfg FailToStartSeverity 1000 INT	
Pump 105 Motor (PowerFlex 525 drive) Fail To Start Alarm Severity: 1250=Low, 251500=Medium, 501750=High, 7511000=Urgent	
SC105.Cfg FailToStopSeverity 1000 INT	
Pump 105 Motor (PowerFlex 525 drive) Fail To Stop Alarm Severity: 1250=Low, 251500=Medium, 501750=High, 7511000=Urgent	
SC105.Cfg IntlkTripSeverity 500 INT	
Pump 105 Motor (PowerFlex 525 drive) Interlock Trip Alarm Severity: 1250=Low, 251500=Medium, 501750=High, 7511000=Urgent	
SC105.Cfg DriveFaultSeverity 1000 INT	
Pump 105 Motor (PowerFlex 525 drive) Drive Fault Alarm Severity: 1250=Low, 251500=Medium, 501750=High, 7511000=Urgent	
SC105.Cfg IOFaultSeverity 1000 INT	
Pump 105 Motor (PowerFlex 525 drive) I/O Fault Alarm Severity: 1250=Low, 251500=Medium, 501750=High, 7511000=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	
Pump 105 Motor (PowerFlex 525 drive) Oper keeps control in Prog Mode: .0=Reference, .1=Start/Stop, .2=Fwd/Rev	
SC105.Cfg_ProgKeep	
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)	2002
SC105.PCmd Unlock 0	BOOL
Pump 105 Motor (PowerFlex 525 drive)	2002
SC105.PCmd Reset 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Reset drive fault and all Alarms re	
SC105.PCmd FailToStartAck 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Acknowledge Fail to Start Alarm	BOOL
SC105.PCmd FailToStartSuppress 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Suppress Fail to Start Alarm	BOOL
SC105.PCmd FailToStartUnsuppress 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Unsuppress Fail to Start Alarm	BOOL
SC105.PCmd FailToStartUnshelve 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Unshelve Fail to Start Alarm	BOOL
SC105.PCmd FailToStopAck 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Acknowledge Fail to Stop Alarm	2002
SC105.PCmd FailToStopSuppress 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Suppress Fail to Stop Alarm	BOOL
SC105.PCmd FailToStopUnsuppress 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Unsuppress Fail to Stop Alarm	BOOL
SC105.PCmd FailToStopUnshelve 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Unshelve Fail to Stop Alarm	DOOL
SC105.PCmd IntlkTripAck 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Acknowledge Interlock Trip Aları	
SC105.PCmd IntlkTripSuppress 0	BOOL
SCIVE CITY INCINITION OF THE STATE OF THE ST	DOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Suppress Interlock Trip Alarm	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 Suppress Interlock Trip Alarm SC105.PCmd_IntlkTripUnsuppress 0 Pump 105 Motor (PowerFlex 525 drive) Program Command to Unsuppress Interlock Trip Alarm	
Pump 105 Motor (PowerFlex 525 drive) Program Command to Suppress Interlock Trip Alarm SC105.PCmd_IntlkTripUnsuppress 0 Pump 105 Motor (PowerFlex 525 drive) Program Command to Unsuppress Interlock Trip Alarm SC105.PCmd_IntlkTripUnshelve 0	BOOL BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Suppress Interlock Trip Alarm SC105.PCmd_IntlkTripUnsuppress 0 Pump 105 Motor (PowerFlex 525 drive) Program Command to Unsuppress Interlock Trip Alarm SC105.PCmd_IntlkTripUnshelve 0 Pump 105 Motor (PowerFlex 525 drive) Program Command to Unshelve Interlock Trip Alarm	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Suppress Interlock Trip Alarm  SC105.PCmd_IntlkTripUnsuppress 0  Pump 105 Motor (PowerFlex 525 drive) Program Command to Unsuppress Interlock Trip Alarm  SC105.PCmd_IntlkTripUnshelve 0  Pump 105 Motor (PowerFlex 525 drive) Program Command to Unshelve Interlock Trip Alarm	

REAL

SC105.Val\_SpeedFdbk

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SC105 (Continued)	
SC105.PCmd_DriveFaultSuppress 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Suppress Driv	
SC105.PCmd_DriveFaultUnsuppress 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Unsuppress D	
SC105.PCmd_DriveFaultUnshelve 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Unshelve Drive	
SC105.PCmd_IOFaultAck 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Acknowledge	
SC105.PCmd_IOFaultSuppress 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Suppress I/O	
SC105.PCmd_IOFaultUnsuppress 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Unsuppress I/	
SC105.PCmd_IOFaultUnshelve 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Program Command to Unshelve I/O	
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 (no	
SC105.OCmd_Fwd 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Operator Command to set direction to	to Forward
SC105.OCmd_Rev 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Operator Command to set direction t	to Reverse
SC105.OCmd_Bypass 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Operator Command to Bypass all By	passable Interlocks and Permissives
SC105.OCmd_Check 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Operator Command to Check (not by	
SC105.MCmd_Disable 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Maintenance Command to Disable D	
SC105.MCmd_Enable 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Maintenance Command to Enable (a	
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 Alar	
SC105.OCmd_ResetAckAll 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) Operator Command to Reset all Alar	
SC105.Val_SpeedRef 0.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Speed Reference (target) to drive	
SC105 Vol. SpeedEdble 0.0	DEVI

0.0

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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 face	
SC105.Val_SpeedFdbkRaw  0.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Copy of Speed Feedback Input (in Raw units) for facepla	
SC105.Val SpeedRefEUMin 0.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Minimum of Speed Reference = MIN (Cfg_SpeedFdbkE	
SC105.Val SpeedRefEUMax 60.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Maximum of Speed Reference = MAX (Cfg_SpeedFdbk	
SC105.Val SpeedFdbkEUMin 0.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Minimum of Speed Feedback = MIN (Cfg_SpeedFdbkE	
SC105.Val SpeedFdbkEUMax 60.0	REAL
Pump 105 Motor (PowerFlex 525 drive) Maximum of Speed Feedback = MAX (Cfg SpeedFdbkl	EUMin, 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=StartF	Rev 4=JogFwd 5=JogRev
SC105.Val_Fdbk 0	SINT
Pump 105 Motor (PowerFlex 525 drive) Device Feedback 0=Stopped, 1=Running Fwd 2=Running	g 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=Jo	
SC105.Val_Fault 18	SINT
Pump 105 Motor (PowerFlex 525 drive) Device Fault Status 0=None, 16=Fail to Start, 17 = Fail to	
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 (enumeratio	
SC105.Sts_Stopped 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive requested to stop and is confirmed stopped	DOOL
SC105.Sts_Starting 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive requested to run and awaiting run feedback	DOOL
SC105.Sts_Running 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive requested to run and is confirmed running	
CC105 Sta Stanning	DOOI
SC105.Sts_Stopping 0  Pump 105 Mater (PowerFlow 525 drive) 1=Drive requested to stop and awaiting stapped feedback	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive requested to stop and awaiting stopped feedback	X.

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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
	drive) 1=Device Not Ready, see detail bits for reason	
SC105.Sts_AtSpeed	0	BOOL
	drive) 1=Drive is running at reference speed	
SC105.Sts_SpeedLimited	0	BOOL
	drive) 1=Speed Reference Setting exceeds configured Max/Min l	
SC105.Sts_DigIn1	0	BOOL
	drive) Drive Digital Input 1 Status	Door
SC105.Sts_DigIn2	0	BOOL
	drive) Drive Digital Input 2 Status	DOOL
SC105.Sts_DigIn3	0	BOOL
	drive) Drive Digital Input 3 Status	DOOL
SC105.Sts_DigIn4	U I duina) Duina Diaital Innut 4 Status	BOOL
	drive) Drive Digital Input 4 Status	DOOL
SC105.Sts_Available	didrive) 1=Drive available for control by automation (Prog)	BOOL
SC105.Sts Bypass	o drive) 1–Drive available for control by automation (Frog)	BOOL
	drive) 1=Bypassable Interlocks and Permissives are Bypassed	DOOL
SC105.Sts BypActive	0	BOOL
	6 drive) 1=Bypassing Active (Bypassed or Maintenance)	BOOL
SC105.Sts Disabled	0	BOOL
Pump 105 Motor (PowerFlex 525	drive) 1=Drive is Disabled	BOOL
SC105.Sts NotRdy	0	BOOL
	drive) 1=Motor is Not Ready to Run (independent of Mode)	
SC105.Nrdy Disabled	0	BOOL
	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
	drive) 1=Device Not Ready: Interlock Not OK	
SC105.Nrdy_Perm	0	BOOL
	drive) 1=Device Not Ready: Permissive Not OK	
SC105.Nrdy_OperPrio	0	BOOL
	drive) 1=Device Not Ready: Operator State 0 Priority Command	•
SC105.Nrdy_Fail	0	BOOL
•	drive) 1=Device Not Ready: Device Failure (Shed Requires Rese	
SC105.Nrdy_IOFault	0	BOOL
	drive) 1=Device Not Ready: I/O Fault (Shed Requires Reset)	DOOL
SC105.Nrdy_Trip	U	BOOL

SC105 (Continued)	
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	BOOL
	BOOL
SC105.Nrdy_NoMode 0 Pump 105 Motor (PowerFlex 525 drive) 1=Device Not Ready: Device Logic Disabled / NO Mod-	
SC105.Sts_MaintByp 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=A Maintenance Bypass is Active, display icon	DOOL
SC105.Sts_AlmInh 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=An Alarm is Shelved, Disabled or Suppressed, display	
SC105.Sts_Err 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: see detail bits for reason	DOOL
SC105.Err_Timer 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: Invalid Check or Reset Pulse Time (u	
SC105.Err_Sim  0 Prove 105 Market (Prove Flore 525 daily) 1 Francis Configuration disconnections 0 to 2145	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: simulation timer preset: use 0 to 2147	
SC105.Err_Alarm 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: Alarm Min On Time, Shelf Time, Sev	
SC105.Err_FdbkRaw 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Erron in Config: Speed Fdbk Raw Min = Max	DOOL
SC105.Err_FdbkEU  0 Dyman 105 Motor (Payyan Flay 525 drive) 1—Error in Config. Speed Edbl: EU Min = May	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: Speed Fdbk EU Min = Max	DOOL
SC105.Err_RefLim 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: Speed Ref Limit Min > Max	DOOL
SC105.Err_RefEU 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: Speed Ref EU Min = Max	DOOL
SC105.Err_RefRaw 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Error in Config: Speed Ref Raw Min = Max	DOOL
SC105.Sts_Hand 0	BOOL
Pump 105 Motor (PowerFlex 525 drive)	DOOL
SC105.Sts_Maint 0	BOOL
Pump 105 Motor (PowerFlex 525 drive)	DOOL
SC105.Sts_Ovrd 0	BOOL
Pump 105 Motor (PowerFlex 525 drive)	DOOL
SC105.Sts_Prog 0	BOOL
Pump 105 Motor (PowerFlex 525 drive)	DOOL
SC105.Sts_Oper 0	BOOL
Pump 105 Motor (PowerFlex 525 drive)	DOOL
SC105.Sts_ProgOperLock 0	BOOL
Pump 105 Motor (PowerFlex 525 drive)	DOOL
SC105.Sts_NoMode 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) SC105.Sts MAcqRcvd 0	BOOL
Pump 105 Motor (PowerFlex 525 drive)	BUUL
SC105.Sts FailToStart 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive Failed to Start (One-Shot)	BOOL
SC105.Alm FailToStart  0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Drive Fail to Start Alarm	BOOL
1 ump 103 Motor (1 ower lex 323 unve) 1-Dilve Pail to Start Alaini	

SC105 (Continued)	
SC105.Ack FailToStart 1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Fail to Start Alarm has been acknowledged	BOOL
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	DOOL
SC105.Sts_FailToStopShelved 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Fail to Stop Alarm has been Shelved by Operator	DOOL
SC105.Sts_FailToStopSuppressed 0	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Fail to Stop Alarm has been Suppressed by Program	BOOL
SC105.Sts_IntlkTrip 0 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	BOOL
SC105.Ack IntlkTrip 1	BOOL
Pump 105 Motor (PowerFlex 525 drive) 1=Interlock Trip Alarm has been acknowledged	DOOL
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	2002
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)	DOOL
SC105.Alm_IOFault 0	BOOL

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SC105 (Continued)			
Pump 105 Motor (PowerFlex 525 drive) 1=I/0	O Fault Alarm		
SC105.Ack_IOFault	1	BOOL	
Pump 105 Motor (PowerFlex 525 drive) 1=I/0	O Fault Alarm has been acknowledged	DOOL	
SC105.Sts_IOFaultDisabled	0 2 F14 Alama haraham Direkta the Maintanana	BOOL	
	O Fault Alarm has been Disabled by Maintenance	BOOL	
SC105.Sts_IOFaultShelved Pump 105 Motor (PowerFlex 525 drive) 1=I/0	U D Fault Alarm has been Shelved by Operator	BOOL	
SC105.Sts IOFaultSuppressed		BOOL	
	O Fault Alarm has been Suppressed by Program	BOOE	
SC105.Rdy Start	0	BOOL	
	eady to receive OCmd Start (enables HMI button)		
SC105.Rdy_Stop	0	BOOL	
Pump 105 Motor (PowerFlex 525 drive) 1=Re	eady to receive OCmd_Stop (enables HMI button)		
SC105.Rdy_Jog	0	BOOL	
•	eady to receive OCmd_Jog (enables HMI button)		
SC105.Rdy_Fwd		BOOL	
` `	eady to receive OCmd_Fwd (enabled HMI button)	DOOL	
SC105.Rdy_Rev	U	BOOL	
SC105.Rdy Bypass	eady to receive OCmd_Rev (enables HMI button)	BOOL	
	eady to receive OCmd Bypass (enables HMI button)	BOOL	
SC105.Rdy Check	0	BOOL	
	eady to receive OCmd Check (enables HMI button)	DOOL	
SC105.Rdy Disable	0	BOOL	
	eady to receive MCmd Disable (enables HMI button)		
SC105.Rdy_Enable		BOOL	
Pump 105 Motor (PowerFlex 525 drive) 1=Re	eady to receive MCmd_Enable (enables HMI button)		
SC105.Rdy_Reset	0	BOOL	
	eady to receive OCmd_Reset (enables HMI button)		
SC105.Rdy_ResetAckAll	0	BOOL	
•	t least one Alarm or latched Shed condition requires R		
SC105.Rdy_SpeedRef	oeady to receive OSet SpeedRef (enables data entry fie	BOOL	
SC105.P PF52x	o	BOOL	
Pump 105 Motor (PowerFlex 525 drive) Uniq	uue Parameter Name for auto - discovery	BOOL	
r ump 105 Wotor (1 6 worr lex 525 unive) eme	are random rame for addo discovery		
		MESSAGE	AdvManLab
External Access:	Read/Write		
so AcceptMSG00 - MainProgram/Unused So	ocket Test - *3(MSG)		
		AcceptResponse	AdvManLab
Constant	No		
External Access:	Read/Write		
so_AcceptResponse - MainProgram/Unused_	Socket_1est - *3(MSG)		
1 so CreateInstance	0	DINT	AdvManLab
Constant	No	DIM	AdvividiiLau
Constant			

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 DINT so CreateParams.Instance - MainProgram/Unused Socket Test - \*1(MOV) so OpenMSG00 **MESSAGE** AdvManLab Read/Write External Access: so OpenMSG00 - MainProgram/Unused Socket Test - \*2(MSG) so OpenParams AdvManLab **OpenConnParams** Constant No Read/Write External Access: so OpenParams - MainProgram/Unused Socket Test - 2(MSG) so OpenParams.Timeout 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) **1** Timer RFID1 TIMER AdvManLab Constant No External Access: Read/Write Timer RFID1 - MainProgram/RFID HMI - \*2(TON) Timer RFID1.DN **BOOL** Timer RFID1.DN - MainProgram/RFID HMI - 4(XIC), 5(XIC) **1** Timer RFID3 **TIMER** AdvManLab Constant No External Access: Read/Write Timer RFID3 - MainProgram/RFID HMI - \*8(TON) Timer RFID3.DN **BOOL** Timer RFID3.DN - MainProgram/RFID HMI - 10(XIC), 11(XIC) **1** 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_HM	II - 16(XIC), 17(XIC)		
J 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 use	ed as needed for interlocks		
ToCNC1.Bools.0	0	BOOL	
Part Drop Request Cell (Robot) wants to load ToCNC1.Bools.0 - MainProgram/CNC1 - *1(			
ToCNC1.Bools.1	0	BOOL	
Robot is clear of CNC - Drop or Pick is comp	lete		
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			
1 ToCNC2		CNC_Datablock	AdvManLab
Data To CNC2		CIVE_Buttlook	1 ta viviani Luo
Maximum Consumers:	4		
Include Connection Status:	n/a		
Send Data State Change Event to Consumer(s			
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 use	ed as needed for interlocks	DIM	
ToCNC2.Bools.0	()	BOOL	
1001102.10003.0		5005	

ToCNC2 (Continued)

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10C11C2 (Continucu)			
Part Drop Request Cell (Robot) wants t	o load a part into the CNC		
ToCNC2.Bools.0 - MainProgram/CNC2	2 - *1(OTE)		
ToCNC2.Bools.1	0	BOOL	
Robot is clear of CNC - Drop or Pick is	complete		
ToCNC2.Bools.1 - MainProgram/CNC2			
ToCNC2.UserDef01	2	DINT	
G-Code Program Number for CNC to re	<del>-</del>	DII(I	
ToCNC2.UserDef01 - MainProgram/Cl			
ToCNC2.UserDef02	0	DINT	
Data To CNC2 User defined Dint 2	U	DINI	
	0	DINT	
ToCNC2.UserDef03	0	DINT	
Data To CNC2 User defined Dint 3		DD///	
ToCNC2.UserDef04	0	DINT	
Data To CNC2 User defined Dint 4			
ToCNC2.UserDef05	0	DINT	
Data To CNC2 User defined Dint 5			
		CNC_Datablock	AdvManLab
Data To CNC3			
Maximum Consumers:	4		
Include Connection Status:	n/a		
Send Data State Change Event to Consu			
Allow Unicast Consumer Connections:	No		
Minimum RPI:	0.200 ms		
Maximum RPI:	536870.900 ms		
Constant	No		
External Access:	Read/Write		
	Nead/ Wille	DINT	
ToCNC3.Bools	ha waa daa maada difan intanla aha	DINI	
Data To CNC3 32 user defined bools to		DOOL	
ToCNC3.Bools.0	0	BOOL	
Part Drop Request Cell (Robot) wants t			
ToCNC3.Bools.0 - MainProgram/CNC3			
ToCNC3.Bools.1	0	BOOL	
Robot is clear of CNC - Drop or Pick is			
ToCNC3.Bools.1 - MainProgram/CNC3	3 - *5(OTE)		
ToCNC3.UserDef01	3	DINT	
G-Code Program Number for CNC to re	un TO CNC		
ToCNC3.UserDef01 - MainProgram/Cl	NC3 - *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	· ·	DINI	
ToCNC3.UserDef05	0	DINT	
Data To CNC3 User defined Dint 5	U	DIM	
Data to CINCS User defined Diffe S			

AdvManLab - Controller Tag Listing AdvManLab (Controller)

<b></b> ToCNC4		CNC_Datablock	AdvManLab
Data To CNC4			
Maximum Consumers:	4		
Include Connection Status:	n/a		
Send Data State Change Event to Consun	ner(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	Nead/ Wille	DINT	
	U	DINI	
Data To CNC4 32 user defined bools to b		DOOL	
ToCNC4.Bools.0	0	BOOL	
Part Drop Request Cell (Robot) wants to			
ToCNC4.Bools.0 - MainProgram/CNC4 -			
ToCNC4.Bools.1	0	BOOL	
Robot is clear of CNC - Drop or Pick is c			
ToCNC4.Bools.1 - MainProgram/CNC4 -	- *4(OTE)		
ToCNC4.UserDef01	14	DINT	
G-Code Program Number for CNC to run	1 TO CNC		
ToCNC4.UserDef01 - MainProgram/CNC	C4 - *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		DII(I	
ToCNC4.UserDef05	0	DINT	
Data To CNC4 User defined Dint 5	v	DIN	
But to creek out dominate Bridge			
┛ Unused S In	0	BOOL	AdvManLab
Tag to indicate bit is unused in I/O mappi			
Constant	No		
External Access:	Read/Write		
		14(OTE), *15(OTE), *17(OTE), *3(OTE), *5(OTE)	F) *6(OTF) *8(OTF)
	npuis - 1(O1L), 10(O1L), 11(O1L),	17(O1E), 13(O1E), 17(O1E), 3(O1E), 3(O1	E), 0(O1E), 0(O1E)
<b>■</b> Unused S Out	0	BOOL	AdvManLab
Unused Safety Output - Replace as neede		BOOE	TATTIMIL WO
Constant Constant	No		
External Access:	Read/Write		
Unused_S_Out - SafetyProgram █️/Map_	_Outputs - *0(O1O), 2(AIC)		
<b>_</b> ValvesOff	0	SINT	AdvManLab
Constant	No	V11.1	1 IN TITULIE
External Access:	Read/Write		
ValvesOff - SafetyProgram 🗐/ValveMani			
vaivesOjj - Sajeiyi rogram 🛶 vaiveMant	you - 2(CO1)		
<b>J</b> VFDFanucLoop_I		P_PF52x_Inp	AdvManLab
w vibranuchoop_i		1_1132x_mp	AuviviailLau

VFDFanucLoop_I (Continued)				
PF523 and PF525 Input Assembly	<b>N</b>			
Constant	No Post 1/W/size			
External Access: VFDFanucLoop I - MainProgram/Unused P.	Read/Write  F52x *0(COP) *0(P PF52x)			
VFDFanucLoop I.DriveStatus	2#0000_0110_1000_1100	INT		
PF523 and PF525 Input Assembly	2#0000_0110_1000_1100	11.11		
VFDFanucLoop I.DriveStatus Ready	0	BOOL		
PF523 and PF525 Input Assembly				
VFDFanucLoop_I.DriveStatus_Active	0	BOOL		
PF523 and PF525 Input Assembly	1	DOOL		
VFDFanucLoop_I.DriveStatus_CommandDir PF523 and PF525 Input Assembly	I	BOOL		
VFDFanucLoop I.DriveStatus ActualDir	1	BOOL		
PF523 and PF525 Input Assembly		2002		
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	1	DOOL		
VFDFanucLoop I.DriveStatus AtReference	0	BOOL		
PF523 and PF525 Input Assembly				
VFDFanucLoop_I.DriveStatus_CommFreqCn	nt			
DEC22   DEC25	1	BOOL		
PF523 and PF525 Input Assembly				
VFDFanucLoop_I.DriveStatus_CommLogicC	nt 1	BOOL		
PF523 and PF525 Input Assembly		DOOL		
VFDFanucLoop_I.DriveStatus_ParmsLocked	0	BOOL		
PF523 and PF525 Input Assembly				
VFDFanucLoop_I.DriveStatus_DigIn1Active	0	BOOL		
PF523 and PF525 Input Assembly	0	DOOL		
VFDFanucLoop_I.DriveStatus_DigIn2Active PF523 and PF525 Input Assembly	U	BOOL		
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		1111		
VFDFanucLoop I.OutputCurrent	0	INT		
PF523 and PF525 Input Assembly				
VFDFanucLoop_I.OutputPower	2400	INT		
PF523 and PF525 Input Assembly				

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<b>Ĵ</b> VFDFanucLoop_O		P_PF52x_Out	AdvManLab
PF523 and PF525 Output Assembly			
Constant	No		
External Access:	Read/Write		
VFDFanucLoop_O - MainProgram/Unused_			
VFDFanucLoop_O.LogicCommand	2#0000_0000_0000_0000	INT	
PF523 and PF525 Output Assembly			
$VFDF$ anucLoop $\_O.LogicCommand$ - $MainP$	rogram/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_ClearFa	ults		
	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_Forward	<b>d</b> 0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_Reverse	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_ForceKo	eypadCtrl		
	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_MOPIn	crement		
	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_AccelTi	me1		
	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_AccelTi	me2		
	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_DecelTi	me1		
	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_DecelTi	me2		
	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_SpdRef	Sel0		
	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_SpdRef	Sel1		
	0	BOOL	
PF523 and PF525 Output Assembly			
VFDFanucLoop_O.LogicCommand_SpdRef	Sel2		
	0	BOOL	
PF523 and PF525 Output Assembly			

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VFDFanucLoop\_O (Continued)

VFDFanucLoop O.LogicCommand MOPDecrement

BOOL

PF523 and PF525 Output Assembly

VFDFanucLoop O.FreqCommand INT 0

PF523 and PF525 Output Assembly

VFDFanucLoop O.FreqCommand - MainProgram/Unused PF52x - 0(MOV)