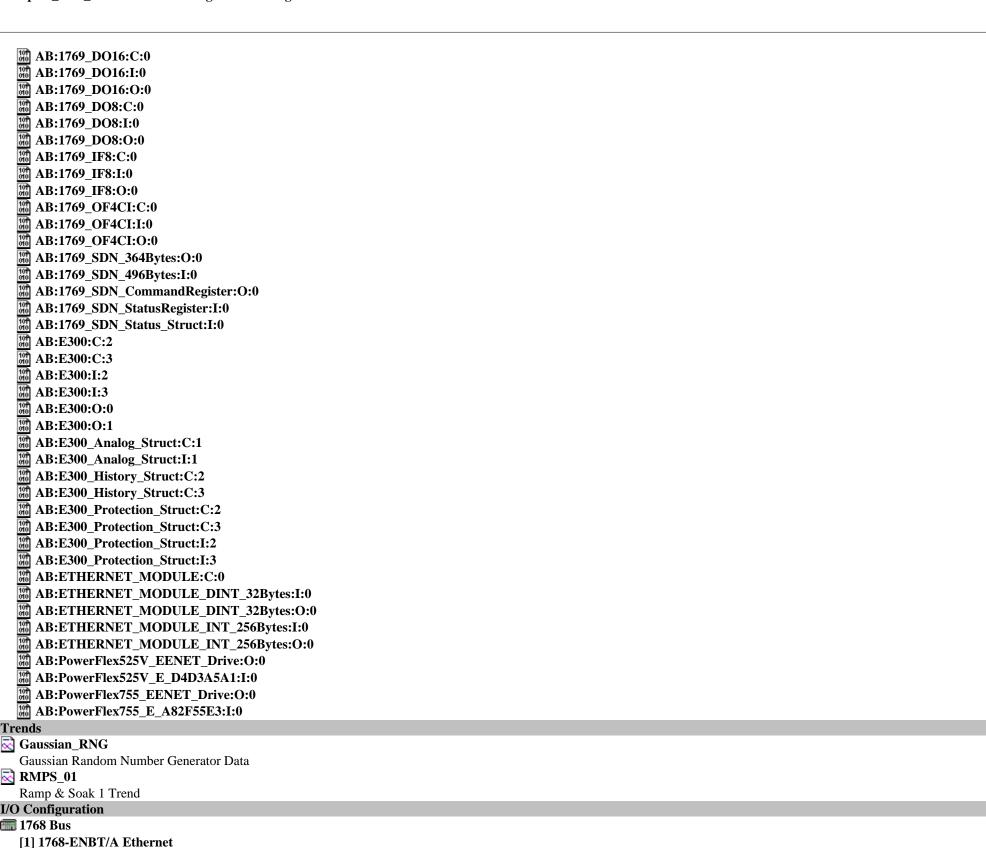
🚞 Controller Compact_AOI_Test 🚞 Controller Fault Handler Power-Up Handler Tasks **₹ AOI_Test** P01_AOI_Test_IO_Buffer R001_IO_Buffer_Main R010_Discrete_IO P02_AOI_Test **AOI Test Program** R001_AOI_Main **AOI Test Main Routine** R200 Totalizer 1 **Totalizer Instruction Test Routine 1** 🕞 P03_RMPS_AOI_Test Ramp & Soak AOI Test Program R001_RMPS_Main R020_RMPS_PIDE_Lad Ramp & Soad PIDE Ladder Routine R030 RMPS PIDE FB Ramp & Soak PIDE Functin Block Routine 😘 P02_Random Gaussian Random Number Generator Program R001_Main Random Number Generator Main Routine R010 LCG Random Number Generator Subroutine R020_Gauss_RNG Gaussian Random Number Generator Routine Unscheduled Programs / Phases **Motion Groups** 🚞 Ungrouped Axes **Add-On Instructions** 🚺 Logic a_RMPS Ramp and Soak AOI Logic Logic 🛅 A_Uniform_RNG Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed via LCG 4) Step #4 = Scale Seed to output range [Out_lo:out_hi) Logic Logic Data Types 🪂 User-Defined 📆 Strings STRING_12
STRING_16
STRING_20 STRING_40 韅 Add-On-Defined A_Gauss_RNG
a_RMPS Ramp and Soak AOI A_Uniform_RNG Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed via LCG 4) Step #4 = Scale Seed to output range [Out_lo:out_hi) Module-Defined AB:1769_DI16:I:0

AB:1769_DI32:I:0



[P] [0] 1768-L45 Compact_AOI_Test

[Jef 1768-L45 Compact_AOI_Test

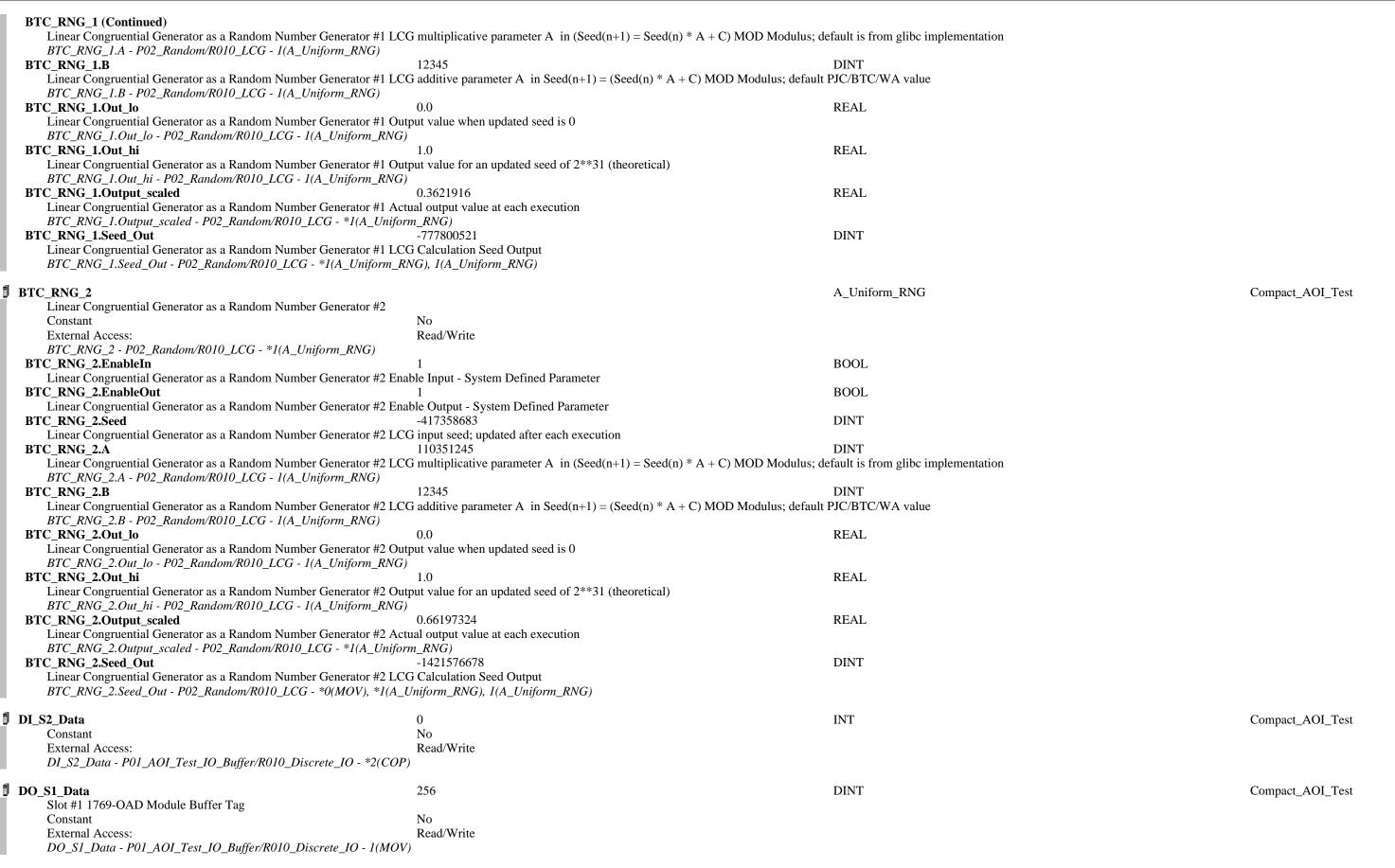
[1] 1769-OA16/A DO_120V_S1

Name	Value	Data Type	Scope
a_RMPS_01		a_RMPS	P03_RMPS_AOI_Test
Ramp & Soak 1 AOI:	M.		
Constant External Access:	No Read/Write		
	(IREF,RMPS_Segs), *1-B1(IREF,RMPS_Run_Cmd), *1-B2(a_RMPS,a_RMPS_01)), *1-B2(IREF,RMPS_Hold), *1-B2(IREF,RMPS_PIDE_Out), *1-B3(IREF,RMPS	_Init), *1-E1(PIDE,RMPS_PIDE.SPProg)
a_RMPS_01.EnableIn	1	BOOL	
Ramp & Soak 1 AOI: Enable Input - System Defined Parameter	1	BOOL	
a_RMPS_01.EnableOut Ramp & Soak 1 AOI: Enable Output - System Defined Parameter	I	BOOL	
a_RMPS_01.Run_Cmd	0	BOOL	
Ramp & Soak 1 AOI: AOI Run Cmd			
a_RMPS_01.PV Parm & Sock 1 AOL: Socied Analog Input (Real) to the AOL	0.0	REAL	
Ramp & Soak 1 AOI: Scaled Analog Input (Real) to the AOI a_RMPS_01.Num_of_Seg	3	INT	
Ramp & Soak 1 AOI: Number of Segments (Maximum = 10)			
a_RMPS_01.Hold	0	BOOL	
Ramp & Soak 1 AOI: AOI Hold Cmd a_RMPS_01.Initialize	0	BOOL	
Ramp & Soak 1 AOI: Initialize AOI Cmd (Reset Segment to 0)		BOOL	
a_RMPS_01.SP_Out	0.0	REAL	
Ramp & Soak 1 AOI: Setpoint Output (psig, deg F)		INIT	
a_RMPS_01.Current_Seg Ramp & Soak 1 AOI: Current Segment	0	INT	
a_RMPS_01.STime_Left	0.0	REAL	
Ramp & Soak 1 AOI: Current Segment Remaining Time (min)			
a_RMPS_01.STime_Expired Ramp & Soak 1 AOI: Current Segment Time Expired	0.0	REAL	
a_RMPS_01.Total_Cycle	0.0	REAL	
Ramp & Soak 1 AOI: Total Cycle Time (minutes)			
a_RMPS_01.Total_Run	0.0	REAL	
Ramp & Soak 1 AOI: Total Run Time (minutes) a RMPS 01.Total Hold	0.0	REAL	
Ramp & Soak 1 AOI: Total Hold Time (minutes)		1.2.12	
a_RMPS_01.Cycle_Hour	0	DINT	
Ramp & Soak 1 AOI: Total Cycle Time Hours a_RMPS_01.Cycle_Min	0.0	REAL	
Ramp & Soak 1 AOI: Total Cycle Time Minutes	0.0	KL/IL	
a_RMPS_01.Run_Mode	0	BOOL	
Ramp & Soak 1 AOI: in Run Mode	Lad 1(VIC) 1(VIO) 2(VIC) 3(VIC) 5(VIO)		
a_RMPS_01.Run_Mode - P03_RMPS_AOI_Test/R020_RMPS_PIDE_ a_RMPS_01.Done	0	BOOL	
Ramp & Soak 1 AOI: AOI Done Bit			
a_RMPS_01.Done - P03_RMPS_AOI_Test/R020_RMPS_PIDE_Lad -	_	nool	
a_RMPS_01.Fault Ramp & Soak 1 AOI: AOI Faulted / Invalid Data	0	BOOL	
Rump & Sould From Horr tunies, invalid Butt			
BNOT_01		FBD_BOOLEAN_NOT	P02_AOI_Test
Constant External Access:	No Read/Write		
	P1), *1-B3(IREF,Total_Start_1), *1-C1(TOT,TOT_01.ProgResetReq), *1-C1(TOT,T	TOT_01.ProgStopReq)	
		* * *	
BTC_RNG_1		A_Uniform_RNG	Compact_AOI_Test
Linear Congruential Generator as a Random Number Generator #1 Constant	No		
External Access:	Read/Write		
BTC_RNG_1 - P02_Random/R010_LCG - *1(A_Uniform_RNG)		POOL.	
BTC_RNG_1.EnableIn Linear Congruential Generator as a Random Number Generator #1 En	1 able Innut - System Defined Parameter	BOOL	
BTC_RNG_1.EnableOut	1	BOOL	
Linear Congruential Generator as a Random Number Generator #1 En			
BTC_RNG_1.Seed Linear Congruential Generator as a Random Number Congretor #1 LC	-1795495946	DINT	
Linear Congruential Generator as a Random Number Generator #1 LC BTC_RNG_1.A	110351245	DINT	
_ ::			

Always False Bit Constant

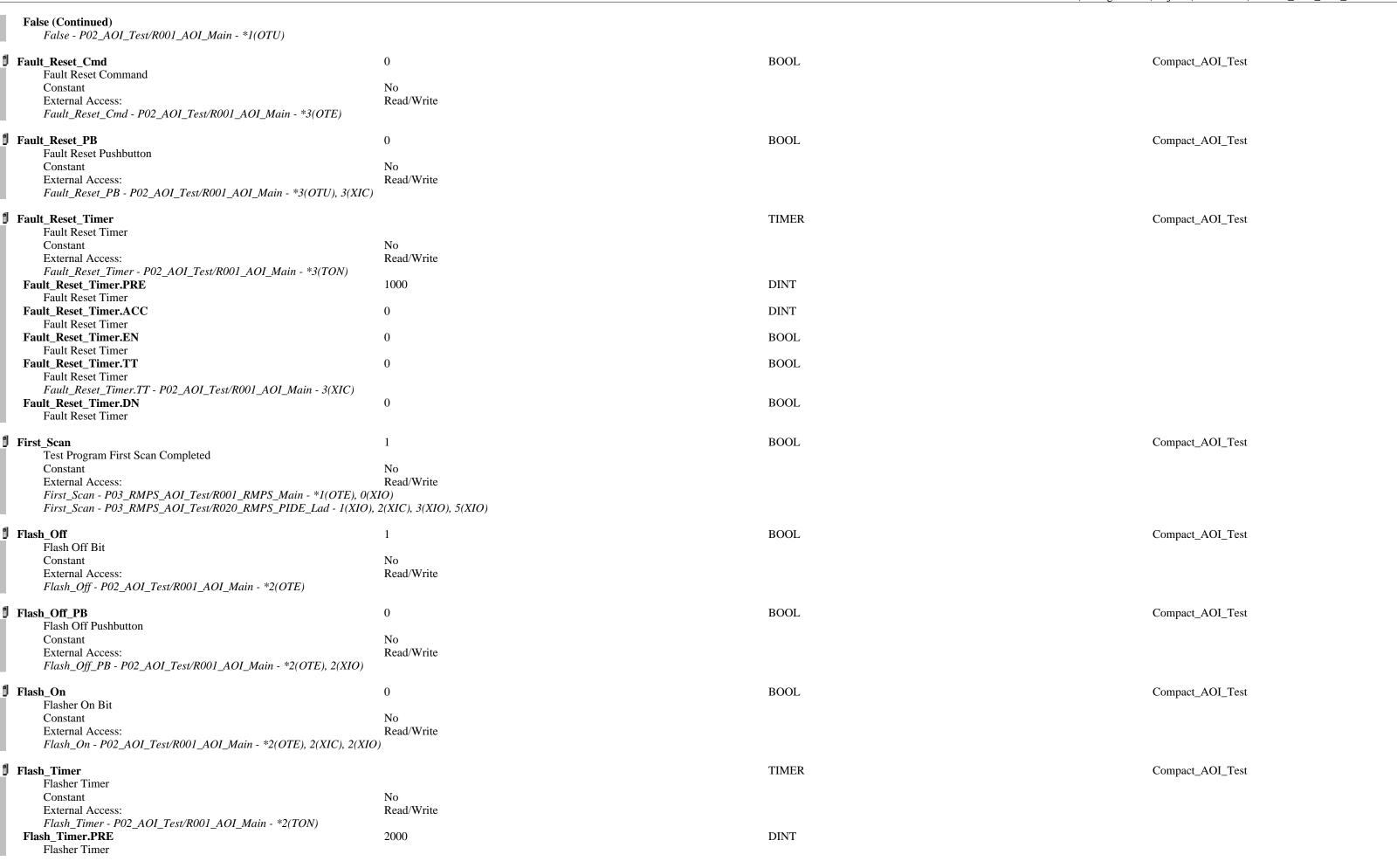
External Access:

No Read/Write Compact AOI Test



BOOL

Page 5



		C./K3	SLogix 3000/Fiojects/Bench Test/Kandoni_AOI_Test_01042020.ACD
Flash_Timer (Continued)			
Flash_Timer.ACC	850	DINT	
Flasher Timer Flash Timer.EN	1	BOOL	
Flasher Timer			
Flash_Timer.TT Flasher Timer		BOOL	
Flash_Timer.DN	0	BOOL	
Flasher Timer Done Bit Flash_Timer.DN - P02_AOI_Test/R001_AOI_Main - 2(XIC), 2(XIO)			
		A. Co. or DNC	Comment AOI Torr
Gauss_RNG Gaussian Random Number Generator		A_Gauss_RNG	Compact_AOI_Test
Constant	No Bardawita		
External Access: Gauss_RNG - P02_Random/R020_Gauss_RNG - *I(A_Gauss_RNG)	Read/Write		
Gauss_RNG.EnableIn	1	BOOL	
Gaussian Random Number Generator Enable Input - System Defined Pa Gauss_RNG.EnableOut	arameter 1	BOOL	
Gaussian Random Number Generator Enable Output - System Defined			
Gauss_RNG.GNG_Out Gaussian Random Number Generator Gaussian-Distributed Random Nu	-1.4291869 umber	REAL	
Gauss_RNG.GNG_Out - P02_Random/R020_Gauss_RNG - *1(A_Gauss_RNG)	ss_RNG), $O(MOV)$		
Gauss_RNG_Data		REAL[1000]	Compact_AOI_Test
Gaussian Random Number Generator Data from CompactLogix PLC Constant	No		
External Access:	No Read/Write		
Gauss_RNG_Data - P02_Random/R020_Gauss_RNG - *0(MOV) Gauss_RNG_Data[0]	-0.035985377	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC		KEAL	
Gauss_RNG_Data[1] Gaussian Random Number Generator Data from CompactLogix PLC	1.3390797	REAL	
Gauss_RNG_Data[2]	-0.39448842	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[3]	0.74102545	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC			
Gauss_RNG_Data[4] Gaussian Random Number Generator Data from CompactLogix PLC	-0.93660265	REAL	
Gauss_RNG_Data[5]	-0.3450555	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[6]	0.6080075	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[7]	-0.9407519	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC	-0.7407317		
Gauss_RNG_Data[8] Gaussian Random Number Generator Data from CompactLogix PLC	1.2191184	REAL	
Gauss_RNG_Data[9]	0.46754768	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[10]	-0.57782114	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC			
Gauss_RNG_Data[11] Gaussian Random Number Generator Data from CompactLogix PLC	-1.2456499	REAL	
Gauss_RNG_Data[12]	-1.9105818	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[13]	1.56862	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC	0.96315897	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC			
Gauss_RNG_Data[15] Gaussian Random Number Generator Data from CompactLogix PLC	0.017348586	REAL	
Gauss_RNG_Data[16]	-0.7476017	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[17]	0.678847	REAL	
Suu05_X10_2uu[1/]	0.07.00.17	NO. LE	
			RSI ogix 5000

Gauss_RNG_Data (Continued)		
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[18]	-0.47980845	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[19]	-0.480844	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.400044	
Gauss_RNG_Data[20] Gaussian Random Number Generator Data from CompactLogix PLC	-0.13772298	REAL
Gauss_RNG_Data[21]	1.0245129	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[22]	-0.29012182	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[23] Gaussian Random Number Generator Data from CompactLogix PLC	0.47420457	REAL
Gauss_RNG_Data[24]	1.266483	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[25]	0.7998358	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.9907305	REAL
Gauss_RNG_Data[26] Gaussian Random Number Generator Data from CompactLogix PLC	-0.8807205	KEAL
Gauss_RNG_Data[27] Gaussian Random Number Generator Data from CompactLogix PLC	0.572477	REAL
Gauss_RNG_Data[28]	0.62216145	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[29]	-0.48432767	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[30] Gaussian Random Number Generator Data from CompactLogix PLC	0.38861325	REAL
Gauss_RNG_Data[31]	1.116691	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[32]	1.8563645	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[33] Gaussian Random Number Generator Data from CompactLogix PLC	-0.13588122	REAL
Gauss_RNG_Data[34]	-0.13573334	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[35]	0.9569396	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[36]	0.19560222	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[37] Gaussian Random Number Generator Data from CompactLogix PLC	-0.7790747	REAL
Gauss_RNG_Data[38]	1.4596825	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[39]	-0.4462693	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1 1107000	DEAL
Gauss_RNG_Data[40] Gaussian Random Number Generator Data from CompactLogix PLC	-1.1107899	REAL
Gauss_RNG_Data[41] Gaussian Random Number Generator Data from CompactLogix PLC	-0.07437024	REAL
Gauss_RNG_Data[42]	-0.75861543	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[43]	-1.2240752	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[44] Gaussian Random Number Generator Data from CompactLogix PLC	-0.26493448	REAL
Gauss_RNG_Data[45]	0.77100146	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[46]	0.46815443	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[47] Gaussian Random Number Generator Data from CompactLogix PLC	0.05096904	REAL
Gauss_RNG_Data[48]	1.4335351	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		

Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[53] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[61] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[62] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[63] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[64] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[64] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[64] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[64] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[64] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[65] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[64] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[65] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[65] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[65] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[65] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[65] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[67] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[77] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[78] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[78] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[78] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[78] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[78] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[78] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[78] Gaussian Random Number Generator Data from CompactLogis PLC auss RNG Data[78] Gaussian Random Nu	Gauss_RNG_Data (Continued) Gauss_RNG_Data[49]	0.105857186	REAL
Gaussia Random Number Generator Data from Compact Logix PLC larges RNC, Data[51] Gaussian Random Number Generator Data from Compact Logix PLC larges RNC, Data[53] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[53] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[53] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[53] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator Data from Compact Logix PLC larges RNC, Data[54] Consistent Random Number Generator	· · · · · · · · · · · · · · · · · · ·	2.050967	RFAI
Gaissian Random Number Generator Data from Compact.ogis PLC Gaissan Random Number Generator Data fr	Gaussian Random Number Generator Data from CompactLogix PLC		
Sames, NRO, Data[52] Constant Random Number Generator Data from CompactLogix PLC		0.72315586	REAL
Simbs_NKO_Data[53]	Gauss_RNG_Data[52]	0.44118994	REAL
Gaussian Random Number Generator Data from CompactLogis PLC Gaussi		2.075737	REAL
Gaussian Random Number Generator Data from CompactLogis PLC auss RNC Just 1971 Gaussian Random Number Generator Data from CompactLogis PLC Gaussian Random Number Generator Data from Comp	Gaussian Random Number Generator Data from CompactLogix PLC		
sames, RNC, Data(55) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(56) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(57) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(60) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(61) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(61) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(61) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(61) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(61) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(61) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(61) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(61) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(71) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(72) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(73) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(73) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(73) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(73) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(73) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(74) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(74) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(74) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(74) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(74) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(74) Gaussian Random Number Generator Data from CompactLogix PLC auss, RNC, Data(74) Gaussian Random Number Ge		-1.961829	REAL
2.0386877 2.0386878 2.0386877 2.0386877 2.0386877 2.0386877 2.0388885 2.0386877 2.0388885 2.0386877 2.0388885 2.0386877 2.0388885 2.0386877 2.0388885 2.0386877 2.0388885 2.0386877 2.0386877 2.0388885 2.0386877 2.0388885 2.0386877 2.0388885 2.0386877 2.0388885 2.0386877 2.0388885 2.0386878 2.03	Gauss_RNG_Data[55]	0.1731522	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[67] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[78] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[78] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[78] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[78] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[78] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[78] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[78] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[78] aussian Random Number Generator Data from CompactLogix PLC Jauss RND, Data[78] aussian Random Number Generator Data from CompactLogix PLC Jauss RND,		-0.9386877	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[57] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[67] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[67] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[67] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[67] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[67] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[67] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[67] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[67] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[67] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[67] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[67] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[77] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[78] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[78] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[78] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[78] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[78] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[78] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[78] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[78] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[78] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[78] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[78] Gaussian Random Number Generator Data from CompactLogix PLC Jauss RNG Data[78] Gaussian Random Number Generator Data from Com	Gaussian Random Number Generator Data from CompactLogix PLC		
0.81884885 Causs and Androm Number Generator Data from Compact Logix PLC		-2.6682873	REAL
0.46441725 0.4644725 0.28457318 0.4644725 0.28457318 0.284	auss_RNG_Data[58]	-0.81884885	REAL
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Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[72] -0.5383751 REAI Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[73] -0.43980548 REAI Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[74] -0.76158047 REAI Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[75] -0.03383184 REAI Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[76] 1.5447745 REAI Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[77] 0.5271834 REAI Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[78] -0.52439725 REAI Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[79] -0.26440185 REAI Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[79] -0.26440185 REAI	· · · · · · · · · · · · · · · · · · ·	-1.1397206	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[73] -0.43980548 REAl Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[74] -0.76158047 REAl Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[75] -0.03383184 REAl Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[76] 1.5447745 REAl Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[77] 0.5271834 REAl Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[78] -0.52439725 REAl Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[79] -0.26440185 REAl Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[79] -0.26440185 REAl Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[79] -0.26440185 REAl Gaussian Random Number Generator Data from CompactLogix PLC	Gaussian Random Number Generator Data from CompactLogix PLC		
Gaussian Random Number Generator Data from CompactLogix PLC Gaussi		-0.5383751	REAL
auss_RNG_Data[74] -0.76158047 Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[75] -0.03383184 Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[76] 1.5447745 Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[77] 0.5271834 Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[78] -0.52439725 Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[79] -0.26440185 Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[79] -0.26440185 REAL Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[79] -0.26440185 REAL Gaussian Random Number Generator Data from CompactLogix PLC	auss_RNG_Data[73]	-0.43980548	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[75] -0.03383184 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[76] 1.5447745 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[77] 0.5271834 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[78] -0.52439725 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[79] -0.26440185 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[79] -0.26440185 REAL Gaussian Random Number Generator Data from CompactLogix PLC		-0.76158047	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[76] 1.5447745 REAL Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[77] 0.5271834 REAL Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[78] -0.52439725 REAL Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[79] -0.26440185 REAL Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[79] -0.26440185 REAL Gaussian Random Number Generator Data from CompactLogix PLC	Gaussian Random Number Generator Data from CompactLogix PLC		
Auuss_RNG_Data[76] 1.5447745 REAL Gaussian Random Number Generator Data from CompactLogix PLC Fauss_RNG_Data[77] 0.5271834 REAL Gaussian Random Number Generator Data from CompactLogix PLC Fauss_RNG_Data[78] -0.52439725 REAL Gaussian Random Number Generator Data from CompactLogix PLC Fauss_RNG_Data[79] -0.26440185 REAL Gaussian Random Number Generator Data from CompactLogix PLC Fauss_RNG_Data[79] -0.26440185 REAL Fauss_RNG_Data[79] -0.26440185		-0.03383184	REAL
Gauss_RNG_Data[77] 0.5271834 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[78] -0.52439725 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[79] -0.26440185 REAL Gaussian Random Number Generator Data from CompactLogix PLC	Gauss_RNG_Data[76]	1.5447745	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[78] -0.52439725 READ Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[79] -0.26440185 READ Gaussian Random Number Generator Data from CompactLogix PLC	· · · · · · · · · · · · · · · · · · ·	0.5271834	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[79] -0.26440185 REAL Gaussian Random Number Generator Data from CompactLogix PLC	Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[79] -0.26440185 REAL Gaussian Random Number Generator Data from CompactLogix PLC		-0.52439725	REAL
	Gauss_RNG_Data[79]	-0.26440185	REAL
#####################################	Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[80]	-0.99910724	REAL

Gauss_RNG_Data (Continued)		
Gaussian Random Number Generator Data from CompactLogix PLC	0.50/0/5/	DEAL
Gauss_RNG_Data[81] Gaussian Random Number Generator Data from CompactLogix PLC	-0.5068656	REAL
Gauss_RNG_Data[82]	-0.7099606	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[83]	0.057107024	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[84]	-0.2515772	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.2313772	
Gauss_RNG_Data[85] Gaussian Random Number Generator Data from CompactLogix PLC	-0.017708583	REAL
Gauss_RNG_Data[86]	0.9356689	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[87]	-1.1143135	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[88] Gaussian Random Number Generator Data from CompactLogix PLC	-2.1970062	REAL
Gauss_RNG_Data[89]	1.1213181	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[90]	0.08901488	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[91]	1.1760075	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[92] Gaussian Random Number Generator Data from CompactLogix PLC	1.339789	REAL
Gauss_RNG_Data[93]	-0.07964845	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[94]	-0.4453082	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[95]	-0.3371099	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[96] Gaussian Random Number Generator Data from CompactLogix PLC	-0.8389111	REAL
Gauss_RNG_Data[97]	0.87137055	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[98]	1.1149273	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[99]	-0.6811345	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[100] Gaussian Random Number Generator Data from CompactLogix PLC	1.14014547e-003	REAL
Gauss_RNG_Data[101]	-2.6085455	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[102]	-2.852195	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[103]	-0.6647554	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[104] Gaussian Random Number Generator Data from CompactLogix PLC	0.8202743	REAL
Gauss_RNG_Data[105]	1.246501	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[106]	1.4058892	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[107]	0.203534	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[108] Gaussian Random Number Generator Data from CompactLogix PLC	-0.26349384	REAL
Gauss_RNG_Data[109]	1.6257519	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[110]	0.8696443	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.5771712	REAL
Gauss_RNG_Data[111] Gaussian Random Number Generator Data from CompactLogix PLC	0.5771712	KEAL

-1.1127129	REAL
1 1007616	REAL
1.466/040	KEAL
-0.076285325	REAL
0.6048775	REAL
0.0046773	KEAL
0.58487844	REAL
-0.46939093	REAL
0.44409722	REAL
0.13255712	REAL
-0.21096252	REAL
1.0053971	REAL
4.0.100.70	
1.040058	REAL
0.016741551	REAL
0.40400007	DEAL
0.43483087	REAL
9.59461648e-003	REAL
0.20502216	DEAL
0.20393216	REAL
-1.168494	REAL
1.952001	REAL
-1.833001	KEAL
-1.0573746	REAL
0.4761014	REAL
-0.4/01/14	KEAL
1.5178391	REAL
1 3267015	REAL
1.5207015	KL/IL
-0.40253183	REAL
0.30158377	REAL
0.50150577	REA ID
0.5933027	REAL
-0.9524629	REAL
1.0680975	REAL
-0.7558636	REAL
-1.4020723	REAL
-0.6648718	REAL
0.0411051	
-0.0611871	REAL
-0.0611871 2.006384	REAL REAL
	1.4887646 -0.076285325 0.6048775 0.58487844 -0.46939093 0.44409722 0.13255712 -0.21096252 1.0053971 1.040058 0.016741551 0.43483087 9.59461648e-003 0.20593216 -1.168494 -1.853001 -1.0573746 -0.4761914 1.5178391 1.3267015 -0.40253183 0.30158377

auss_RNG_Data (Continued)		
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[144]	1.3989797	REA
Gaussian Random Number Generator Data from CompactLogix PLC	1.3707/7/	KLA
auss_RNG_Data[145]	0.2740892	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.00.00	
auss_RNG_Data[146] Gaussian Random Number Generator Data from CompactLogix PLC	-0.9268957	REA
rauss_RNG_Data[147]	0.6436776	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[148]	1.0543944	REA
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[149]	0.026561871	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.020301871	KLA
auss_RNG_Data[150]	0.5742363	REA
Gaussian Random Number Generator Data from CompactLogix PLC	2.0.50,500	D D D •
auss_RNG_Data[151] Gaussian Random Number Generator Data from CompactLogix PLC	-2.9605093	REA
rauss RNG Data[152]	-0.22916035	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[153]	-0.51678413	REA
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[154]	-0.99578106	REA
Gaussian Random Number Generator Data from CompactLogix PLC	-0.99378100	KEF
auss_RNG_Data[155]	-0.012066617	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.7000.000	
auss_RNG_Data[156] Gaussian Random Number Generator Data from CompactLogix PLC	0.5922438	REA
auss_RNG_Data[157]	0.06816203	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[158]	0.92654026	REA
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[159]	0.55594987	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.55574701	IXL.
auss_RNG_Data[160]	0.23643808	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.5072363	DE.
auss_RNG_Data[161] Gaussian Random Number Generator Data from CompactLogix PLC	0.5973262	REA
auss_RNG_Data[162]	-0.09061496	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[163]	0.45270556	REA
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[164]	0.3432337	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.5 1.5 2.5 5 7	T(L)
auss_RNG_Data[165]	-1.0944074	REA
Gaussian Random Number Generator Data from CompactLogix PLC auss RNG Data[166]	-1.1328709	REA
Gaussian Random Number Generator Data from CompactLogix PLC	-1.1328709	KE
auss_RNG_Data[167]	0.6553256	REA
Gaussian Random Number Generator Data from CompactLogix PLC	1.07222.10	
auss_RNG_Data[168] Gaussian Random Number Generator Data from CompactLogix PLC	1.2722349	RE
auss_RNG_Data[169]	-1.7265284	RE
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[170]	-0.5045381	REA
Gaussian Random Number Generator Data from CompactLogix PLC	-0.24032512	REA
auss_RNG_Data[171] Gaussian Random Number Generator Data from CompactLogix PLC	-0.24032312	KE
auss_RNG_Data[172]	0.22732854	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[173] Gaussian Random Number Generator Data from CompactLogix PLC	1.1127645	REA
auss_RNG_Data[174]	-0.6871275	REA

Gauss_RNG_Data (Continued)		
Gauss_RNG_Data[175]	0.110123456	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[176]	-0.5213187	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.3213107	KE: IE
Gauss_RNG_Data[177]	-1.7395097	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[178]	-1.2566222	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[179] Gaussian Random Number Generator Data from CompactLogix PLC	-0.36491826	REAL
Gaussian Kandoni Number Generator Data from CompactLogix FLC Gauss_RNG_Data[180]	-1.857618	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[181] Gaussian Random Number Generator Data from CompactLogix PLC	1.4192808	REAL
Gauss_RNG_Data[182]	0.8527622	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.01054610	DEAL
Gauss_RNG_Data[183] Gaussian Random Number Generator Data from CompactLogix PLC	-0.21954612	REAL
Gauss_RNG_Data[184]	-2.1579506	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.75503343	REAL
Gauss_RNG_Data[185] Gaussian Random Number Generator Data from CompactLogix PLC	0.73303343	KEAL
Gauss_RNG_Data[186]	0.43037972	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[187]	0.9549413	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.7347413	KEAL
Gauss_RNG_Data[188]	2.0340197	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[189]	-0.8599607	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.0377007	KL/ IL
Sauss_RNG_Data[190]	0.5208209	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[191]	-0.84758896	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Fauss_RNG_Data[192]	1.6988384	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[193]	-0.10068855	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[194] Gaussian Random Number Generator Data from CompactLogix PLC	-0.14244121	REAL
Gauss_RNG_Data[195]	0.20271161	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.4404000	DELL
Gauss_RNG_Data[196] Gaussian Random Number Generator Data from CompactLogix PLC	0.1401222	REAL
Gauss_RNG_Data[197]	-0.56031036	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.1500007	DEAL
Gauss_RNG_Data[198] Gaussian Random Number Generator Data from CompactLogix PLC	0.1580086	REAL
Gauss_RNG_Data[199]	1.6133175	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.4325014	REAL
Gauss_RNG_Data[200] Gaussian Random Number Generator Data from CompactLogix PLC	-0.4323014	KEAL
Gauss_RNG_Data[201]	-0.49420533	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[202]	-0.7998489	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.1770+07	KLAL
Gauss_RNG_Data[203]	0.02078131	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[204]	-0.062194094	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.002171071	
Gauss_RNG_Data[205]	-1.0164624	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[206]	1.3387351	REAL

Gauss_RNG_Data (Continued)		
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[207]	-0.37201884	REAI
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[208]	0.45018846	REAI
Gaussian Random Number Generator Data from CompactLogix PLC	0.470201	DEAL
auss_RNG_Data[209]	-0.479291	REA
Gaussian Random Number Generator Data from CompactLogix PLC auss RNG Data[210]	1.4430971	REA
Gaussian Random Number Generator Data from CompactLogix PLC	1.4430971	KLA
auss RNG Data[211]	0.07664609	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.07001007	TCL21
auss_RNG_Data[212]	-1.333162	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[213]	-0.21226762	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[214]	-0.57741314	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[215]	-0.6665083	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.22201124	DE (
nuss_RNG_Data[216]	0.33381134	REA
Gaussian Random Number Generator Data from CompactLogix PLC	1,0001702	DE/
auss_RNG_Data[217] Gaussian Random Number Generator Data from CompactLogix PLC	-1.0891702	REA
auss_RNG_Data[218]	0.43677476	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.43077470	KLI
auss_RNG_Data[219]	0.58088344	RE/
Gaussian Random Number Generator Data from CompactLogix PLC		112.
auss_RNG_Data[220]	-2.0102742	RE/
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[221]	-0.8800952	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[222]	-0.08651196	RE/
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[223]	6.15574478e-004	REA
Gaussian Random Number Generator Data from CompactLogix PLC	1.00/010	DE/
auss_RNG_Data[224] Gaussian Random Number Generator Data from CompactLogix PLC	1.086819	REA
auss_RNG_Data[225]	2.5830436	REA
Gaussian Random Number Generator Data from CompactLogix PLC	2.3030+30	KLI
auss_RNG_Data[226]	-0.7934175	RE/
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[227]	-0.93923575	RE/
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[228]	-0.7794194	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[229]	1.3286101	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[230]	0.067034036	REA
Gaussian Random Number Generator Data from CompactLogix PLC	1.175(001	DE.
nuss_RNG_Data[231]	-1.1756991	REA
Gaussian Random Number Generator Data from CompactLogix PLC nuss_RNG_Data[232]	0.43965426	REA
Gaussian Random Number Generator Data from CompactLogix PLC	U.TJ/UJT4U	KΕ
uss_RNG_Data[233]	0.5924232	REA
Gaussian Random Number Generator Data from CompactLogix PLC		1111
uss_RNG_Data[234]	0.46177077	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[235]	-0.44711852	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[236]	-0.45694125	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
		DEA
auss_RNG_Data[237] Gaussian Random Number Generator Data from CompactLogix PLC	0.69437057	REA

Gauss_RNG_Data (Continued)		
Gauss_RNG_Data (Continued) Gauss_RNG_Data[238]	-1.7077134	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.045000	DE
Gauss_RNG_Data[239] Gaussian Random Number Generator Data from CompactLogix PLC	-2.067832	REAL
Gauss_RNG_Data[240]	-1.295328	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[241] Gaussian Random Number Generator Data from CompactLogix PLC	0.55677086	REAL
auss_RNG_Data[242]	0.112791196	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[243]	-1.3014833	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[244]	0.03426842	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[245]	-1.5780963	REAL
Gaussian Random Number Generator Data from CompactLogix PLC nuss_RNG_Data[246]	1.0612606	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[247]	0.12186224	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[248]	-0.79540926	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.176 10720	TC. IL
auss_RNG_Data[249]	0.8648424	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[250]	0.4347866	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	3.1317000	KL/ IL
nuss_RNG_Data[251]	0.6423583	REAL
Gaussian Random Number Generator Data from CompactLogix PLC nuss_RNG_Data[252]	-0.47706488	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.17700100	KE? IE
uss_RNG_Data[253]	-0.45005003	REAL
Gaussian Random Number Generator Data from CompactLogix PLC uss_RNG_Data[254]	-0.20754	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.2073 1	KL/ IL
uss_RNG_Data[255]	-0.5425331	REAL
Gaussian Random Number Generator Data from CompactLogix PLC nuss_RNG_Data[256]	-0.42951745	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.12551715	KE! IL
auss_RNG_Data[257]	0.16075984	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[258]	2.183882	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	2.103002	KLAL
nuss_RNG_Data[259]	0.24738187	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss RNG Data[260]	0.6654207	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.003-1207	KL/ IL
auss_RNG_Data[261]	-0.27388418	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[262]	0.79888725	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.17000123	KLAL
nuss_RNG_Data[263]	0.60594976	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[264]	1.1409434	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.1407434	KLAL
auss_RNG_Data[265]	-0.7959242	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.3667298	REAL
auss_RNG_Data[266] Gaussian Random Number Generator Data from CompactLogix PLC	-0.3007298	KEAL
nuss_RNG_Data[267]	0.49227628	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.5475022	DEAT
auss_RNG_Data[268] Gaussian Random Number Generator Data from CompactLogix PLC	1.5475932	REAL
Gauss_RNG_Data[269]	-2.7523575	REAL

Gauss_RNG_Data (Continued)		
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[270]	1.5189892	REAI
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[271]	1.8418756	REAI
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[272]	-0.33018425	REAI
Gaussian Random Number Generator Data from CompactLogix PLC	-0.33016423	KLAI
auss_RNG_Data[273]	1.0928564	REAI
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[274]	1.5221573	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[275]	0.88909304	REAI
Gaussian Random Number Generator Data from CompactLogix PLC	0.00707304	KLA
auss_RNG_Data[276]	-0.028371667	REA!
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[277]	1.2565087	REA
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[278]	-0.012649448	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.012047440	ILL/ I
auss_RNG_Data[279]	1.4802513	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[280]	0.7759589	REA
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[281]	-0.40050682	REA
Gaussian Random Number Generator Data from CompactLogix PLC	-0. 1 0030002	KLA
auss_RNG_Data[282]	-0.4441118	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[283]	-0.024928363	REA
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[284]	0.9443336	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.7113330	ILL1
auss_RNG_Data[285]	-0.25461754	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[286] Gaussian Random Number Generator Data from CompactLogix PLC	1.0339944	REA
auss RNG Data[287]	-0.6437058	REA
Gaussian Random Number Generator Data from CompactLogix PLC		1121
auss_RNG_Data[288]	0.8684398	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.40000047	DE 4
auss_RNG_Data[289] Gaussian Random Number Generator Data from CompactLogix PLC	0.13830367	REA
auss_RNG_Data[290]	-0.8793776	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.07,5770	TCD:
auss_RNG_Data[291]	-0.20457947	REA
Gaussian Random Number Generator Data from CompactLogix PLC	1.5010005	DE 4
auss_RNG_Data[292] Gaussian Random Number Generator Data from CompactLogix PLC	-1.5213305	REA
auss RNG Data[293]	0.042815473	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.012013173	TCL2
auss_RNG_Data[294]	-1.1198548	REA
Gaussian Random Number Generator Data from CompactLogix PLC	2.15(0).12	DE.
auss_RNG_Data[295] Gaussian Random Number Generator Data from CompactLogix PLC	-2.1568842	REA
auss_RNG_Data[296]	-0.8975869	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.00712009	TCD:
auss_RNG_Data[297]	1.0271417	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.000/707//	DE:
auss_RNG_Data[298] Goussian Random Number Consenter Data from CompactLociv BLC	0.020672766	REA
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[299]	-0.13327761	REA
Gaussian Random Number Generator Data from CompactLogix PLC	51202.701	NL/1
auss_RNG_Data[300]	1.5551381	REA
Gaussian Random Number Generator Data from CompactLogix PLC		

Gauss_RNG_Data (Continued) Gauss_RNG_Data[301]	0.8074797	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[302] Gaussian Random Number Generator Data from CompactLogix PLC	0.46442837	REAL
Gauss_RNG_Data[303]	0.20210864	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[304]	-0.35845533	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[305] Gaussian Random Number Generator Data from CompactLogix PLC	0.23651356	REAL
Gauss_RNG_Data[306]	0.036304206	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[307]	0.4164071	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[308] Gaussian Random Number Generator Data from CompactLogix PLC	0.99968195	REAL
Gauss_RNG_Data[309]	0.3854536	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[310]	0.41070092	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.22000/10	DEAL
Gauss_RNG_Data[311] Gaussian Random Number Generator Data from CompactLogix PLC	0.32089618	REAL
Gauss_RNG_Data[312]	0.5261709	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[313]	0.4993461	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[314]	-0.19717915	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.19/1/913	KEAL
Gauss_RNG_Data[315] Gaussian Random Number Generator Data from CompactLogix PLC	-0.36526176	REAL
Gauss_RNG_Data[316]	0.21120693	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[317]	0.08718683	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[318] Gaussian Random Number Generator Data from CompactLogix PLC	-2.738906	REAL
Gauss_RNG_Data[319]	0.8640423	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[320]	-1.1972513	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[321] Gaussian Random Number Generator Data from CompactLogix PLC	0.8726881	REAL
Gauss_RNG_Data[322] Gaussian Random Number Generator Data from CompactLogix PLC	-0.32351866	REAL
Gauss_RNG_Data[323]	-0.048064962	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[324]	-0.3712632	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[325] Gaussian Random Number Generator Data from CompactLogix PLC	-1.3342816	REAL
Gauss_RNG_Data[326]	0.6242769	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[327]	1.0783031	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[328] Gaussian Random Number Generator Data from CompactLogix PLC	1.1349409	REAL
Gauss_RNG_Data[329]	1.0201373	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[330]	-1.0088598	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[331] Gaussian Random Number Generator Data from CompactLogix PLC	-0.08088664	REAL
Gauss_RNG_Data[332]	2.0729284	REAL

Gauss_RNG_Data (Continued)		
Gaussian Random Number Generator Data from CompactLogix PLC	-0.3369013	REA
Gauss_RNG_Data[333] Gaussian Random Number Generator Data from CompactLogix PLC	-0.5309015	KEA
Gauss_RNG_Data[334]	0.5714555	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.710.1101	D D 1
Gauss_RNG_Data[335] Gaussian Random Number Generator Data from CompactLogix PLC	0.5104131	REA
Gauss_RNG_Data[336]	0.41414768	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[337]	-1.3400755	REA
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[338]	0.75299615	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.73299013	KLA
Gauss_RNG_Data[339]	-1.156832	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.775700	DEA
Gauss_RNG_Data[340] Gaussian Random Number Generator Data from CompactLogix PLC	0.775709	REA
Gauss_RNG_Data[341]	2.3102138	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[342]	1.9377373	REA
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[343]	-0.16994806	REA
Gaussian Random Number Generator Data from CompactLogix PLC	-0.10//4000	KL
Gauss_RNG_Data[344]	0.39063972	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.2004006	DEA
Gauss_RNG_Data[345] Gaussian Random Number Generator Data from CompactLogix PLC	-0.2004986	REA
Gauss_RNG_Data[346]	1.8994446	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[347] Gaussian Random Number Generator Data from CompactLogix PLC	0.34605575	REA
auss_RNG_Data[348]	-0.04217933	RE/
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[349]	-0.08545168	REA
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[350]	1.7111545	REA
Gaussian Random Number Generator Data from CompactLogix PLC	1,7113.13	ILL
auss_RNG_Data[351]	-0.82993305	REA
Gaussian Random Number Generator Data from CompactLogix PLC auss RNG Data[352]	0.39793634	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.28782624	KEF
auss_RNG_Data[353]	-0.35355055	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.60506056	
dauss_RNG_Data[354] Gaussian Random Number Generator Data from CompactLogix PLC	-0.63526076	REA
Gaussian Random Number Generator Data from CompactDogix FEC	0.736549	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[356]	1.9771576	REA
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[357]	-1.2404186	REA
Gaussian Random Number Generator Data from CompactLogix PLC	1.2 10 1100	ILL
auss_RNG_Data[358]	1.0637668	REA
Gaussian Random Number Generator Data from CompactLogix PLC	-1.9737325	REA
auss_RNG_Data[359] Gaussian Random Number Generator Data from CompactLogix PLC	-1.9/3/323	KE
auss_RNG_Data[360]	-0.27119273	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.01400100	
Gaussian Pendem Number Generator Data from Compact Logix PLC	0.21482109	REA
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[362]	2.5937788	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[363]	-0.16771083	REA
Gaussian Random Number Generator Data from CompactLogix PLC		

Gauss_RNG_Data (Continued)		
Gauss_RNG_Data[364] Gaussian Random Number Generator Data from CompactLogix PLC	-1.5490992	REAL
Gauss_RNG_Data[365]	0.32990897	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.00000074	DELL
Gauss_RNG_Data[366] Gaussian Random Number Generator Data from CompactLogix PLC	0.22822356	REAL
Gauss_RNG_Data[367]	0.7627651	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.2071477	DEAL
Gauss_RNG_Data[368] Gaussian Random Number Generator Data from CompactLogix PLC	1.3071476	REAL
Gauss_RNG_Data[369]	-0.6302697	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[370]	-0.2522565	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.2322303	KLAL
Gauss_RNG_Data[371]	-0.2177113	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[372]	-1.5804981	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[373] Gaussian Random Number Generator Data from CompactLogix PLC	0.348648	REAL
Gauss_RNG_Data[374]	-0.30214474	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.4002120	DEAL
Gauss_RNG_Data[375] Gaussian Random Number Generator Data from CompactLogix PLC	-1.4992129	REAL
Gauss_RNG_Data[376]	-0.18012375	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[377]	1.2943122	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.2743122	KLAL
Gauss_RNG_Data[378]	0.9821583	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[379]	-1.7210255	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[380] Gaussian Random Number Generator Data from CompactLogix PLC	-0.83392376	REAL
Gauss_RNG_Data[381]	-2.3642998	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.67670092	DEAL
Gauss_RNG_Data[382] Gaussian Random Number Generator Data from CompactLogix PLC	-0.67670083	REAL
Gauss_RNG_Data[383]	1.2097564	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[384]	0.54244363	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.54244505	KLAL
Gauss_RNG_Data[385]	0.23654683	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[386]	0.75347614	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[387] Gaussian Random Number Generator Data from CompactLogix PLC	0.51936525	REAL
Gauss_RNG_Data[388]	-0.12530546	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.16504690	DEAL
Gauss_RNG_Data[389] Gaussian Random Number Generator Data from CompactLogix PLC	0.16594689	REAL
Gauss_RNG_Data[390]	0.3003736	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[391]	0.12761925	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[392] Gaussian Pandom Number Ganarator Data from CompactLogic PLC	1.0374618	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[393]	-1.7607933	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[394] Gaussian Random Number Generator Data from CompactLogix PLC	-0.06350077	REAL
Gauss_RNG_Data[395]	0.28570428	REAL

nuss_RNG_Data (Continued)		
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[396]	-0.43402988	REAL
Gaussian Random Number Generator Data from CompactLogix PLC nuss_RNG_Data[397]	0.31582186	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.31302100	KL/ II
nuss_RNG_Data[398]	-0.6953379	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[399]	0.53203005	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[400]	-0.77109194	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.77103134	REAL
nuss_RNG_Data[401]	-1.3227096	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[402]	1.5552313	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.0772002	DEAL
nuss_RNG_Data[403] Gaussian Random Number Generator Data from CompactLogix PLC	-0.8673893	REAL
nuss_RNG_Data[404]	-1.9961298	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.5501250	112.11
nuss_RNG_Data[405]	-0.76236814	REAI
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[406]	-0.34068203	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1 5672242	DEAL
nuss_RNG_Data[407] Gaussian Random Number Generator Data from CompactLogix PLC	1.5673342	REAI
nuss_RNG_Data[408]	-0.88191587	REAI
Gaussian Random Number Generator Data from CompactLogix PLC	0.00171307	KL/ II
nuss_RNG_Data[409]	-0.034875285	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[410]	0.8826301	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss RNG Data[411]	-0.054140806	REAI
Gaussian Random Number Generator Data from CompactLogix PLC	-0.034140800	KEAI
nuss_RNG_Data[412]	2.7104995	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[413]	-1.503906	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.1440.6004	77.1
nuss_RNG_Data[414]	0.14436024	REAI
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[415]	-0.39135155	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		KLAI
nuss_RNG_Data[416]	0.80444264	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[417]	0.5064949	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.251022	DEAL
nuss_RNG_Data[418]	-1.351022	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[419]	0.7610904	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		KL/AI
nuss_RNG_Data[420]	0.64420635	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[421]	1.482205	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		DEAL
huss_RNG_Data[422] Gaussian Random Number Generator Data from CompactLogix PLC	-0.46778244	REAL
nuss_RNG_Data[423]	0.2126571	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		KD/ II
nuss_RNG_Data[424]	-0.7916561	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[425]	0.06600657	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[426]	1.0157688	REAI
	LUI3/688	REAL

Gauss_RNG_Data (Continued) Gauss_RNG_Data[427]	1.1316841	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.1400005	
Gauss_RNG_Data[428] Gaussian Random Number Generator Data from CompactLogix PLC	-1.1460665	REAL
Gauss_RNG_Data[429]	-0.19908209	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[430]	1.463369	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[431] Gaussian Random Number Generator Data from CompactLogix PLC	-0.84229916	REAL
Gauss_RNG_Data[432]	-0.15196453	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[433]	0.7241451	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[434] Gaussian Random Number Generator Data from CompactLogix PLC	0.5111866	REAL
Gauss_RNG_Data[435]	-2.3842397	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.2431664	REAL
Gauss_RNG_Data[436] Gaussian Random Number Generator Data from CompactLogix PLC	0.2431004	KEAL
Gauss_RNG_Data[437]	0.13575101	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[438]	0.32540044	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		DEAL
Gauss_RNG_Data[439] Gaussian Random Number Generator Data from CompactLogix PLC	-0.67857486	REAL
Gauss_RNG_Data[440]	-1.7490053	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[441]	1.7132068	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[442] Gaussian Random Number Generator Data from CompactLogix PLC	0.52755874	REAL
Gauss_RNG_Data[443]	0.23044524	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[444]	1.4399434	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[445] Gaussian Random Number Generator Data from CompactLogix PLC	0.5017675	REAL
Gauss_RNG_Data[446]	-0.3828962	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[447]	-0.5660928	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.3000928	KEAL
Gauss_RNG_Data[448] Gaussian Random Number Generator Data from CompactLogix PLC	-0.53671426	REAL
Gauss_RNG_Data[449]	0.3572459	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[450]	0.0179707	DEAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.9178707	REAL
Gauss_RNG_Data[451]	-2.048196	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[452]	-0.94912213	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[453] Gaussian Random Number Generator Data from CompactLogix PLC	0.21763854	REAL
Gauss_RNG_Data[454]	-0.7361096	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[455]	-1.0023954	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[456] Gaussian Random Number Generator Data from CompactLogix PLC	0.29111415	REAL
Gauss_RNG_Data[457]	-0.86209595	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[458]	1.3411399	REAL
Gauss_K11G_Data[450]	1.JT11J77	KEAL

Gauss RNG. Data (Continued) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Generator Data from Compact Logis PLC Gauss RNG. Data (Mol) Gaussian Random Number Gen			
Gause-San Random Number Generator Data from Compact logis PLC Gause RNC Data[460] Gauses and Random Number Generator Data from Compact logis PLC Gause RNC Data[461] Gauses and Random Number Generator Data from Compact logis PLC Gause RNC Data[461] Gauses RNC Data[462] Gauses RNC Data[462] Gauses RNC Data[463] Gauses and Random Number Generator Data from Compact logis PLC Gause RNC Data[463] Gauses and Random Number Generator Data from Compact logis PLC Gause RNC Data[463] Gauses and Random Number Generator Data from Compact logis PLC Gause RNC Data[463] Gauses and Random Number Generator Data from Compact logis PLC Gause RNC Data[463] Gauses and Random Number Generator Data from Compact logis PLC Gause RNC Data[463] Gauses and Random Number Generator Data from Compact logis PLC Gause, RNC Data[464] Gauses RNC Data[474] Gauses RNC Data[47	Cause PNC Data (Continued)		
Caussian Random Number Generator Data from Compact Logis PLC			
Gauss RNG_Data[460] Gauss RNG_Data[461] Gauss RNG_Data[461] Gauss RNG_Data[461] Gauss RNG_Data[462] Gauss RNG_Data[462] Gauss Rndom Number Generator Data from Compact logix PLC Gauss Rndom Number Generator Data from Compac	Gauss_RNG_Data[459]	-0.6529192	REAL
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Gauss RNG Data[474] -0.5010516 Gauss RNG Data[475] -0.5010516 Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[476] -0.10660286 Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[4776] -0.10660286 Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[478] -0.42110986 Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[478] -0.33195102 Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[480] -0.33281925 Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[481] -0.24557096 Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[481] -0.386623 Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[483] -0.386623 Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[485] -0.386623 Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[485] -0.386623 Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[485] -0.386623 Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[485] -0.386623 Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[485] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[486] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[487] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[488] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[488] -1.1726298 REAL	Gauss_RNG_Data[473]	0.067195185	REAL
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Gauss, RNG_Data[475] 2.7786708 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[476] -0.10660286 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[477] -0.42110986 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[477] -0.33195102 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[479] -0.33195102 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[480] -0.33281925 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[481] -0.24557096 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[482] -0.386623 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[484] -0.386623 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[485] -0.386623 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[485] -0.9419807 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[485] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[488] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[488] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[488] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[488] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[489] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[489] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[489] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss, RNG_Data[489] -1.1726298 REAL GAUSS RNG_Data[4		-0.5010516	KEAL
Gauss_RNG_Data[476] -0.10660286 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gaussian Random Number Generator Data from CompactLogix PLC Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[478] -0.33195102 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[480] -0.33281925 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[481] -0.24557096 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[482] -0.386623 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[483] -0.386623 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[484] -0.386623 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] -0.386623 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] -0.386623 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] -1.9122306 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[486] -1.9122306 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[486] -1.9122306 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[486] -1.9122306 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.43196136 REAL	Gauss_RNG_Data[475]	2.7786708	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG_Data[477] Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG_Data[479] Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG_Data[479] Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG_Data[480] Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG_Data[481] Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG_Data[482] Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG_Data[483] Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG_Data[484] Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG_Data[486] Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG_Data[486] Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG_Data[488] Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG_Data[488] Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG_Data[488] Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG_Data[488] -0.36383316 -0.43196136 REAL -0.42110986 -0.431109		0.10660386	DEAL
Gauss RNG_Data[477] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[478] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[479] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[480] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[481] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[482] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[483] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[484] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[486] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[489] -0.43196136		-0.10000280	KLAL
Gauss_RNG_Data[478] -0.33195102 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[479] 0.54753023 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[480] 0.33281925 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[481] -0.24557096 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[482] 0.52434486 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[483] 0.5443486 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[484] 0.9419807 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] 1.3894545 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[486] 1.3894545 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gauss_RNG_Data[488] -0.36383316 REAL		-0.42110986	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[479] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[480] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[481] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[482] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[483] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[484] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.3638316 REAL Gauss_RNG_Data[489] -0.43196136		-0.33195102	RFAI
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[480] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[481] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[482] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[483] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[484] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[486] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[489] -0.3638316 REAL -0.3638316		0.55175102	KL/ IL
Gauss_RNG_Data[480] 0.33281925 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[481] -0.24557096 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[482] 0.52434486 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[483] -0.386623 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[484] 0.9419807 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] 0.9419807 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] 1.3894545 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[486] -1.9122306 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL		0.54753023	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[481] -0.24557096 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[482] 0.52434486 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[483] -0.386623 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[484] 0.9419807 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] 1.3894545 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[486] -1.9122306 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[489] -0.43196136 REAL		0.33281925	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[482] 0.52434486 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[483] -0.386623 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[484] 0.9419807 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] 1.3894545 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[486] -1.9122306 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[489] -0.43196136 REAL		0.002017.20	
Gauss_RNG_Data[482] 0.52434486 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[483] -0.386623 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[484] 0.9419807 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] 1.3894545 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[486] -1.9122306 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gauss_RNG_Data[488] -0.36383316 REAL Gauss_RNG_Data[489] -0.43196136		-0.24557096	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[483] -0.386623 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[484] 0.9419807 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] 1.3894545 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[486] -1.9122306 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[489] -0.43196136 REAL		0.52434486	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[484] 0.9419807 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] 1.3894545 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[486] -1.9122306 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gauss_RNG_Data[489] -0.43196136 REAL	Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[484] 0.9419807 Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] 1.3894545 Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[486] -1.9122306 Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] -1.1726298 Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[489] -0.43196136 REAL		-0.386623	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[485] 1.3894545 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[486] -1.9122306 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[489] -0.43196136 REAL		0.9419807	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[486] -1.9122306 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[489] -0.43196136 REAL	Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[486] -1.9122306 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[489] -0.43196136 REAL		1.3894545	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[487] -1.1726298 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[489] -0.43196136 REAL		-1.9122306	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[488] -0.36383316 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[489] -0.43196136 REAL	Gaussian Random Number Generator Data from CompactLogix PLC	1.170/200	DEAL
Gauss_RNG_Data[488] -0.36383316 REAL Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[489] -0.43196136 REAL		-1.1/20298	KEAL
Gauss_RNG_Data[489] -0.43196136 REAL	Gauss_RNG_Data[488]	-0.36383316	REAL
		0.42106136	DEAL
		-V.+317U13U	KEAL
	1 0		

Gauss_RNG_Data (Continued)	-0.24850135	REAL
Gauss_RNG_Data[490] Gaussian Random Number Generator Data from CompactLogix PLC	-0.24850135	KEAL
Gauss_RNG_Data[491]	-1.1397612	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[492]	1.3767054	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.0050255	DEAL
Gauss_RNG_Data[493] Gaussian Random Number Generator Data from CompactLogix PLC	-0.8868355	REAL
Gauss_RNG_Data[494]	-0.70852786	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[495]	-0.671964	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[496] Gaussian Random Number Generator Data from CompactLogix PLC	-0.26111454	REAL
Gauss_RNG_Data[497]	1.5188514	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[498]	-1.1170914	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[499] Gaussian Random Number Generator Data from CompactLogix PLC	-0.51968265	REAL
Gauss_RNG_Data[500]	-1.5241612	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[501]	1.6595564	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.0393304	KEAL
Gauss_RNG_Data[502]	0.15652257	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[503]	0.19543529	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.51424004	DEAL
auss_RNG_Data[504] Gaussian Random Number Generator Data from CompactLogix PLC	0.51434094	REAL
auss_RNG_Data[505]	0.18114126	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[506]	-0.59631026	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.01070<1<0	DEAL
auss_RNG_Data[507] Gaussian Random Number Generator Data from CompactLogix PLC	-0.018796168	REAL
auss_RNG_Data[508]	-1.3367704	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[509]	0.85188353	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[510] Gaussian Random Number Generator Data from CompactLogix PLC	-1.0288551	REAL
auss_RNG_Data[511]	0.23051555	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[512]	0.6827673	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[513] Gaussian Random Number Generator Data from CompactLogix PLC	-0.88422304	REAL
auss_RNG_Data[514]	-0.12202894	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[515]	-1.0411419	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[516] Gaussian Random Number Generator Data from CompactLogix PLC	0.35135397	REAL
auss_RNG_Data[517]	0.36610585	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.076696455	REAL
auss_RNG_Data[518] Gaussian Random Number Generator Data from CompactLogix PLC	-0.070070 4 33	KEAL
auss_RNG_Data[519]	0.470175	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[520]	-0.12141529	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[521]	1.6155223	REAL

Gauss_RNG_Data (Continued)		
Gaussian Random Number Generator Data from CompactLogix PLC	0.2044004	DEAL
Gauss_RNG_Data[522] Gaussian Random Number Generator Data from CompactLogix PLC	0.2844884	REAL
Gauss RNG Data[523]	0.90952915	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.70732713	KEAL
Gauss_RNG_Data[524]	0.44788927	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.11700727	KE! IE
Gauss_RNG_Data[525]	1.3956598	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[526]	0.9591619	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[527]	0.20098358	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[528]	0.12757467	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[529]	1.0640168	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[530]	0.747258	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	4.5.00005	DELL
Gauss_RNG_Data[531]	-1.5632287	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.40047770	DEAL
Gauss_RNG_Data[532]	0.43917558	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.44930598	REAL
Gauss_RNG_Data[533] Gaussian Random Number Generator Data from CompactLogix PLC	-0.44930398	KEAL
Gauss_RNG_Data[534]	2.706946	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	2.700)+0	KLAL
Gauss_RNG_Data[535]	-0.27452752	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	3.27.102702	112112
Gauss_RNG_Data[536]	-1.3221807	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[537]	1.0858567	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[538]	-0.2985953	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[539]	1.6870859	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	4.440.4700	
Gauss_RNG_Data[540]	-1.1184798	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.5770.410	DEAL
Gauss_RNG_Data[541]	-0.5778412	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.4778556	REAL
Gauss_RNG_Data[542] Gaussian Random Number Generator Data from CompactLogix PLC	0.4778330	KEAL
Gauss_RNG_Data[543]	-1.1929346	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.1727340	KE/ KE
Gauss_RNG_Data[544]	1.5664133	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-14-4-1-4-1	
Gauss RNG Data[545]	-0.3133374	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[546]	-0.74206	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[547]	-0.009937178	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[548]	0.35737348	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.5000455	DEAL
Gauss_RNG_Data[549]	0.56323457	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.47047012	DEAL
Gauss_RNG_Data[550]	0.47947013	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[551]	-0.355018	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.333010	KLAL
Gauss_RNG_Data[552]	-0.24352717	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	··· · · · · · · · · · · · · · · · · ·	

0.36814252	REAL
	REAL
-0.69892037	REAL
	REAL
	REAL
0.12228128	REAL
1.0455655	DEAL
	REAL
0.19051456	REAL
	REAL
0.7240232	KEAL
-0.09837885	REAL
	REAL
0.55050177	TEL IE
-0.2672145	REAL
	REAL
	REAL
-0.91632205	REAL
0.0204077	DEAL
	REAL
0.48445323	REAL
	REAL
0.2770130	KLAL
-1.3050002	REAL
-0.27230868	REAL
	REAL
-0.33942685	REAL
1.0240904	
	REAL
-0.37018654	REAL
0.5719029	DEAT
	REAL
1.1471053	REAL
	REAL
	KEAL
0.5871418	REAL
	REAL
-0.201/1434	
0.27815923	REAL
	REAL
0.65680784	REAL
	-0.016496394 -0.69892037 0.095962316 -1.3101339 0.12228128 1.0455655 0.19051456 0.9246252 -0.09837885 0.35830477 -0.2672145 1.0425361 1.463021 -0.91632205 -0.9204067 0.48445323 0.2978138 -1.3050002 -0.27230868 -0.07069241 -0.33942685 1.0249804 -0.37018654 0.5718038 1.1471053 2.83285 0.5871418 -0.26171434 0.27815923 -0.91243905

Gauss_RNG_Data (Continued)		
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[585]	-0.17213075	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[586]	-1.0335287	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.1553112	REAL
Gauss_RNG_Data[587] Gaussian Random Number Generator Data from CompactLogix PLC	1.1555112	KEA
	0.4558086	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.1250000	TCD: I
Gauss_RNG_Data[589]	-0.44716358	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[590]	0.46869618	REA
Gaussian Random Number Generator Data from CompactLogix PLC	2 (00212	DEA
auss_RNG_Data[591] Gaussian Random Number Generator Data from CompactLogix PLC	2.608313	REA
auss_RNG_Data[592]	-1.7424772	REA
Gaussian Random Number Generator Data from CompactLogix PLC	1./727//2	ICL/ I
auss_RNG_Data[593]	-0.45914683	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[594]	-0.118133746	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.45515050	DEA
	0.45717072	REA
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[596]	0.039676916	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.037070710	KL/ I
auss_RNG_Data[597]	-1.4133817	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[598]	1.0152261	REA
Gaussian Random Number Generator Data from CompactLogix PLC	1.5200522	DE 4
auss_RNG_Data[599] Gaussian Random Number Generator Data from CompactLogix PLC	-1.5390533	REA
auss_RNG_Data[600]	1.1360923	REA
Gaussian Random Number Generator Data from CompactLogix PLC	1.1300723	TCL2 I
auss_RNG_Data[601]	-0.5227196	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
	0.38334322	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.2007/707	DEA
auss_RNG_Data[603] Gaussian Random Number Generator Data from CompactLogix PLC	-0.39076787	REA
Gauss_RNG_Data[604]	-0.47043103	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.170 15105	TtL:
auss_RNG_Data[605]	-0.123428695	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
	0.53143996	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.0025001	DEA
auss_RNG_Data[607] Gaussian Random Number Generator Data from CompactLogix PLC	0.0635661	REA
auss_RNG_Data[608]	-0.74726516	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.7 1720310	TCL21
· · · · · · · · · · · · · · · · · · ·	0.09286795	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[610]	-1.457301	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.7303137	DEA
auss_RNG_Data[611] Gaussian Random Number Generator Data from CompactLogix PLC	0.7383126	REA
auss_RNG_Data[612]	1.6112007	REA
Gaussian Random Number Generator Data from CompactLogix PLC	1.0112007	KLA
	0.3829464	REA
Gaussian Random Number Generator Data from CompactLogix PLC		
auss_RNG_Data[614]	-0.6779726	REA
Gaussian Random Number Generator Data from CompactLogix PLC	0.10501615	
	0.13531615	REA

Gauss_RNG_Data (Continued)	0.10414097	DEAL
Gauss_RNG_Data[616] Gaussian Random Number Generator Data from CompactLogix PLC	-0.12414286	REAL
Gauss RNG Data[617]	-0.083417684	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[618]	-0.061170805	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[619]	-0.62930936	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.02730730	KLAL
Gauss_RNG_Data[620]	-0.12527554	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[621] Gaussian Random Number Generator Data from CompactLogix PLC	-1.4115363	REAL
Gauss_RNG_Data[622]	0.7828158	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[623]	1.3226771	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.33477622	REAL
Gauss_RNG_Data[624] Gaussian Random Number Generator Data from CompactLogix PLC	0.33477022	KEAL
Gauss_RNG_Data[625]	-0.20878105	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[626]	0.1416032	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[627]	-0.8617581	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.0017301	KLIL
Gauss_RNG_Data[628]	-0.2098682	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.5305145	DEAL
Gauss_RNG_Data[629] Gaussian Random Number Generator Data from CompactLogix PLC	0.5397445	REAL
Gauss_RNG_Data[630]	0.9643939	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[631]	-1.2442551	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.0351241	REAL
Gauss_RNG_Data[632] Gaussian Random Number Generator Data from CompactLogix PLC	1.0331241	KEAL
Gauss_RNG_Data[633]	0.78000164	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[634]	1.3790578	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[635]	0.37627715	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.37027713	KLAL
Gauss_RNG_Data[636]	-0.105734125	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[637] Gaussian Random Number Generator Data from CompactLogix PLC	-0.57247055	REAL
Gauss_RNG_Data[638]	0.64327997	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[639]	2.177982	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.16044743	DEAL
Gauss_RNG_Data[640] Gaussian Random Number Generator Data from CompactLogix PLC	-0.10044743	REAL
Gauss_RNG_Data[641]	0.5095854	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[642]	-0.7791495	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[643]	-0.010855247	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.010033247	KLIL
Gauss_RNG_Data[644]	0.14358288	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.020210010	DEAL
Gauss_RNG_Data[645] Gaussian Random Number Generator Data from CompactLogix PLC	-0.030210018	REAL
Gauss_RNG_Data[646]	-0.9542895	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[647]	-0.42571014	REAL

Gauss_RNG_Data (Continued)		
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[648]	0.67487055	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.7000533	DEAL
Gauss_RNG_Data[649] Gaussian Random Number Generator Data from CompactLogix PLC	0.7929532	REAL
Gauss_RNG_Data[650]	0.70104873	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.70101073	KL/ IL
Gauss_RNG_Data[651]	1.5109915	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[652]	-1.1657513	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[653]	0.48953617	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.40733017	KLAL
Gauss_RNG_Data[654]	-0.8405929	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[655]	0.80106014	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.0220467	DEAL
Gauss_RNG_Data[656] Gaussian Random Number Generator Data from CompactLogix PLC	-1.0330467	REAL
Gauss_RNG_Data[657]	0.3730036	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.5750050	TEL IE
Gauss_RNG_Data[658]	-1.3019007	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[659]	1.4203225	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[660]	1.6614735	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.0014733	KLAL
Gauss_RNG_Data[661]	-1.1742265	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[662]	0.3494676	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.7210073	REAL
Gauss_RNG_Data[663] Gaussian Random Number Generator Data from CompactLogix PLC	0.7310972	KEAL
Gauss_RNG_Data[664]	-2.0609195	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[665]	-0.39486203	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.07(47010	DEAL
Gauss_RNG_Data[666] Gaussian Random Number Generator Data from CompactLogix PLC	-0.27647218	REAL
Gauss_RNG_Data[667]	0.08994609	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0100// 100/	112.12
Gauss_RNG_Data[668]	0.17069069	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.400,500,55	DE
Gauss_RNG_Data[669] Gaussian Random Number Generator Data from CompactLogix PLC	0.18350855	REAL
Gauss RNG Data[670]	-0.014794127	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.011771121	TCL IL
Gauss_RNG_Data[671]	0.8770771	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[672]	0.38928083	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[673]	0.3462493	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.5402475	KLAL
Gauss_RNG_Data[674]	-0.24930622	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[675]	0.27975118	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[676]	0.93647003	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.230 1 1003	KĽAL
Gauss_RNG_Data[677]	0.9299714	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[678]	1.8535814	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		

Gauss_RNG_Data (Continued)		
Gauss_RNG_Data[679]	-1.3234016	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[680]	0.64611673	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[681] Gaussian Random Number Generator Data from CompactLogix PLC	-0.5611289	REAL
Gauss_RNG_Data[682]	-0.25226235	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.4404004	DELL
Gauss_RNG_Data[683] Gaussian Random Number Generator Data from CompactLogix PLC	-0.64424384	REAL
Gauss_RNG_Data[684]	0.23756903	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[685]	-0.026777131	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.020///131	KEAL
Gauss_RNG_Data[686]	-0.5934033	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[687]	0.9720106	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.5720100	KL/ IL
Gauss_RNG_Data[688]	-0.32508397	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[689]	-0.54586756	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[690] Gaussian Random Number Generator Data from CompactLogix PLC	-0.6831413	REAL
Gauss_RNG_Data[691]	1.056037	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.20/2521	DEAL
Gauss_RNG_Data[692] Gaussian Random Number Generator Data from CompactLogix PLC	-0.3962531	REAL
Gauss_RNG_Data[693]	0.3346268	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.37814727	REAL
Gauss_RNG_Data[694] Gaussian Random Number Generator Data from CompactLogix PLC	0.37614727	KEAL
Gauss_RNG_Data[695]	1.2438037	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[696]	0.46818754	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.10010721	
Gauss_RNG_Data[697] Gaussian Random Number Generator Data from CompactLogix PLC	1.960631	REAL
Gauss_RNG_Data[698]	0.11357484	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.0000	
Gauss_RNG_Data[699] Gaussian Random Number Generator Data from CompactLogix PLC	-0.07224307	REAL
Gauss_RNG_Data[700]	-0.053496078	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.24140917	DEAL
Gauss_RNG_Data[701] Gaussian Random Number Generator Data from CompactLogix PLC	-0.36140817	REAL
Gauss_RNG_Data[702]	-0.06303825	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[703]	-0.29168656	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.27100030	KLAL
Gauss_RNG_Data[704]	-0.6077861	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[705]	-0.92663103	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[706]	-0.7107317	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[707]	-0.6594989	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[708] Gaussian Random Number Generator Data from CompactLogix PLC	0.5035544	REAL
Gauss_RNG_Data[709]	-1.1180129	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[710]	-1.907418	REAL

Cause PNC Data (Continued)		
Gauss_RNG_Data (Continued) Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[711]	0.7786501	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.1510222	DEAL
Gauss_RNG_Data[712] Gaussian Random Number Generator Data from CompactLogix PLC	-1.1749322	REAL
Gauss_RNG_Data[713]	-0.3157653	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[714]	0.3688085	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[715]	-0.24847235	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.2 10 17 233	KETTE
Gauss_RNG_Data[716]	-0.27763122	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[717]	1.3811859	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.3811839	KEAL
Gauss_RNG_Data[718]	-1.415838	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.50,000	DEAL
Gauss_RNG_Data[719] Gaussian Random Number Generator Data from CompactLogix PLC	-2.586026	REAL
Gauss RNG Data[720]	-1.141935	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[721]	5.82120847e-003	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[722]	-0.073260196	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.010200170	11212
Gauss_RNG_Data[723]	-0.07488016	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[724]	-1.5584658	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-1.5504050	KLAL
Gauss_RNG_Data[725]	-0.2863823	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-1.9010545	REAL
Gauss_RNG_Data[726] Gaussian Random Number Generator Data from CompactLogix PLC	-1.9010343	KEAL
Gauss_RNG_Data[727]	0.34894532	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.7027070	DEAL
Gauss_RNG_Data[728] Gaussian Random Number Generator Data from CompactLogix PLC	-1.7927879	REAL
Gauss_RNG_Data[729]	-0.65805423	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[730] Gaussian Random Number Generator Data from CompactLogix PLC	1.7835397	REAL
Gauss_RNG_Data[731]	-1.437263	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[732]	-0.22843929	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[733]	0.24008678	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.24000070	KLIKL
Gauss_RNG_Data[734]	-0.09290835	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.20022967	REAL
Gauss_RNG_Data[735] Gaussian Random Number Generator Data from CompactLogix PLC	0.26933867	KEAL
Gauss_RNG_Data[736]	0.83590984	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.0000004	DELL
Gauss_RNG_Data[737] Gaussian Random Number Generator Data from CompactLogix PLC	0.3089931	REAL
Gauss_RNG_Data[738]	-0.50733215	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[739] Caussian Random Number Consertor Data from Compact Logic DLC	-0.0668528	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[740]	-0.06141039	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[741] Gaussian Random Number Generator Data from CompactLogiv DLC	0.9934168	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		

Gauss_RNG_Data (Continued) Gauss_RNG_Data[742]	-0.45377645	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[743]	1.3938564	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[744] Gaussian Random Number Generator Data from CompactLogix PLC	0.47504082	REAL
Gauss_RNG_Data[745]	2.0188081	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.0129725	DEAL
Gauss_RNG_Data[746] Gaussian Random Number Generator Data from CompactLogix PLC	1.0138625	REAL
Gauss_RNG_Data[747]	1.0022075	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[748]	0.57582587	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[749] Gaussian Random Number Generator Data from CompactLogix PLC	0.79994965	REAL
Gauss_RNG_Data[750]	0.6683374	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.1104927	DEAL
Gauss_RNG_Data[751] Gaussian Random Number Generator Data from CompactLogix PLC	1.1194836	REAL
Gauss_RNG_Data[752]	-0.25932825	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[753]	1.1923419	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.1725417	KLAL
Gauss_RNG_Data[754] Caussian Pandam Number Conserter Data from Compact Logic PLC	0.45457596	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[755]	-1.1211617	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	2.21440	DEAL
Gauss_RNG_Data[756] Gaussian Random Number Generator Data from CompactLogix PLC	2.21448	REAL
Gauss_RNG_Data[757]	-0.12639965	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[758]	-0.53822076	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.53622070	KLAL
Gauss_RNG_Data[759]	-1.216784	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[760]	-0.3161664	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.00001.000	DEAL
Gauss_RNG_Data[761] Gaussian Random Number Generator Data from CompactLogix PLC	0.32921603	REAL
Gauss_RNG_Data[762]	-2.123649	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[763]	-0.30626938	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[764] Gaussian Random Number Generator Data from CompactLogix PLC	0.3885066	REAL
Gaussian Kandom Number Generator Data from CompactLogix FLC Gauss_RNG_Data[765]	-0.6776169	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.0004402	DEAL
Gauss_RNG_Data[766] Gaussian Random Number Generator Data from CompactLogix PLC	0.8086602	REAL
Gauss_RNG_Data[767]	-0.7845325	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[768]	1.2679876	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.2079870	KEAL
Gauss_RNG_Data[769]	-1.7391831	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[770]	2.624538	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[771] Gaussian Random Number Generator Data from CompactLogix PLC	-0.22256956	REAL
Gauss_RNG_Data[772]	-0.55834514	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.27234817	REAL
Gauss_RNG_Data[773]	-0.27234817	KEAL

Comp DNC Data (Confirmad)		
Gauss_RNG_Data (Continued) Gaussian Pandom Number Generator Data from Compact Logic PLC		
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[774]	0.18636659	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.16030037	KLAL
Gauss_RNG_Data[775]	-1.9442776	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1,5112770	KE: IE
Gauss_RNG_Data[776]	-0.53212905	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	••••	
Gauss RNG Data[777]	0.31300062	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[778]	-0.5634455	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[779]	1.7245028	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[780]	-0.6697366	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	4.6454640	DELL
Gauss_RNG_Data[781]	1.6474649	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.007551239	REAL
Gauss_RNG_Data[782] Gaussian Random Number Generator Data from CompactLogix PLC	0.007331239	KEAL
Gauss_RNG_Data[783]	-0.09952996	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.07/32//0	KLAL
Gauss_RNG_Data[784]	0.07570789	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		TCL: TC
Gauss_RNG_Data[785]	-1.1291028	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[786]	0.3027647	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[787]	0.35898867	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.444044	
Gauss_RNG_Data[788]	-0.6466046	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.01526995	DEAL
Gauss_RNG_Data[789] Gaussian Random Number Generator Data from CompactLogix PLC	0.91536885	REAL
Gauss RNG Data[790]	-0.37926108	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.37920100	KLAL
Gauss_RNG_Data[791]	-1.1088067	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	11200007	112.12
Gauss_RNG_Data[792]	1.6170458	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[793]	-1.5554172	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[794]	-1.4324716	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.0445500	DE 11
Gauss_RNG_Data[795]	-0.8417703	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.24377033	REAL
Gauss_RNG_Data[796] Gaussian Random Number Generator Data from CompactLogix PLC	0.24377033	KEAL
Gauss RNG Data[797]	-1.0270305	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.0210303	NLAL
Gauss_RNG_Data[798]	-1.5350269	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[799]	0.3889061	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[800]	0.86737585	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[801]	-0.08793066	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.5051015	DEAT
Gauss_RNG_Data[802]	-0.7054815	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.42212052	DEAT
Gauss_RNG_Data[803] Gaussian Random Number Generator Data from CompactLogix PLC	-0.43313953	REAL
Gauss_RNG_Data[804]	0.18364029	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.1050 1027	NEAL
Zam nom compactogia i Be		

Gauss_RNG_Data (Continued)		
Gauss_RNG_Data[805]	-0.9256649	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[806]	-0.09187223	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[807]	0.7875237	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[808]	0.5099058	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[809]	0.23761377	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[810]	0.7833659	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[811]	0.22641078	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[812] Gaussian Random Number Generator Data from CompactLogix PLC	-1.4568367	REAL
Gauss_RNG_Data[813] Gaussian Random Number Generator Data from CompactLogix PLC	1.1747113	REAL
Gauss_RNG_Data[814] Gaussian Random Number Generator Data from CompactLogix PLC	-0.74012613	REAL
Gauss_RNG_Data[815] Gaussian Random Number Generator Data from CompactLogix PLC	-0.30541313	REAL
Gauss_RNG_Data[816]	0.95954543	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[817]	0.50117934	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[818]	-1.1723367	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[819]	-0.058608223	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[820]	1.1578697	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[821]	0.6320433	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[822]	-1.1513009	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[823] Gaussian Random Number Generator Data from CompactLogix PLC	-0.18630537	REAL
Gauss_RNG_Data[824] Gaussian Random Number Generator Data from CompactLogix PLC	-0.3899274	REAL
Gauss_RNG_Data[825] Gaussian Random Number Generator Data from CompactLogix PLC	-1.1794469	REAL
Gauss_RNG_Data[826] Gaussian Random Number Generator Data from CompactLogix PLC	-0.16652234	REAL
Gauss_RNG_Data[827] Gaussian Random Number Generator Data from CompactLogix PLC	-0.016844865	REAL
Gauss_RNG_Data[828] Gaussian Random Number Generator Data from CompactLogix PLC	0.6608053	REAL
Gauss_RNG_Data[829]	-1.5257072	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[830]	0.12616992	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[831]	0.95818615	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[832]	0.5374691	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[833]	-1.4048716	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[834]	-0.60039985	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[835] Gaussian Random Number Generator Data from CompactLogix PLC	-0.20317474	REAL
Gauss_RNG_Data[836]	0.883909	REAL

Gauss_RNG_Data (Continued)		
Gauss_RNG_Data (Continued) Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[837]	-1.8934397	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.000.10.70	DE
Gauss_RNG_Data[838] Gaussian Random Number Generator Data from CompactLogix PLC	-1.9394362	REAL
Gauss_RNG_Data[839]	1.3909429	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[840]	-1.2191964	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[841]	-0.020614017	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.02001+017	KLAL
Gauss_RNG_Data[842]	-0.7938474	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.7004002	DEAL
Gauss_RNG_Data[843] Gaussian Random Number Generator Data from CompactLogix PLC	-0.7886983	REAL
Gauss_RNG_Data[844]	2.005817	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.00421555	DEAL
Gauss_RNG_Data[845] Gaussian Random Number Generator Data from CompactLogix PLC	-0.99421555	REAL
Gauss_RNG_Data[846]	0.5692006	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[847] Gaussian Random Number Generator Data from CompactLogix PLC	-1.2061831	REAL
Gauss_RNG_Data[848]	0.27335554	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[849]	-1.191462	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[850]	-0.57195663	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.57175005	TCL IL
Gauss_RNG_Data[851]	0.088399485	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[852]	-2.123333	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	2.123333	KL/ IL
Gauss_RNG_Data[853]	-1.0293705	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[854]	-0.82347596	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.02347370	KLAL
Gauss_RNG_Data[855]	1.3558781	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[856]	0.3933729	REAL
Gauss_KNG_Data[650] Gaussian Random Number Generator Data from CompactLogix PLC	0.3933729	KEAL
Gauss_RNG_Data[857]	-0.44295126	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	2.1266217	DEAL
Gauss_RNG_Data[858] Gaussian Random Number Generator Data from CompactLogix PLC	-2.1266317	REAL
Gauss_RNG_Data[859]	1.3080726	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.5705051	DEAL
Gauss_RNG_Data[860] Gaussian Random Number Generator Data from CompactLogix PLC	-1.7697374	REAL
Gauss_RNG_Data[861]	1.2143804	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.77010101	DD. 1
Gauss_RNG_Data[862] Gaussian Random Number Generator Data from CompactLogix PLC	-0.77818424	REAL
Gauss_RNG_Data[863]	-0.08158965	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.000.000	
Gauss_RNG_Data[864] Gaussian Random Number Generator Data from CompactLogix PLC	0.30548972	REAL
Gauss_RNG_Data[865]	0.16805705	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[866] Gaussian Bandom Number Ganarator Data from CompactLogic PLC	0.09360943	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[867]	-1.1039428	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-	

Gauss_RNG_Data (Continued)		
Gauss_RNG_Data[868]	-0.60827255	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[869]	-0.10170508	REAL
Gaussian Random Number Generator Data from CompactLogix PLC auss_RNG_Data[870]	0.41995236	REAL
Gaussian Random Number Generator Data from CompactLogix PLC uss_RNG_Data[871]	-0.26647544	REAL
Gaussian Random Number Generator Data from CompactLogix PLC uss_RNG_Data[872]	-3.5796902	REAL
Gaussian Random Number Generator Data from CompactLogix PLC uss_RNG_Data[873]	1.1910003	REAL
Gaussian Random Number Generator Data from CompactLogix PLC uss_RNG_Data[874]	1.1013396	REAL
Gaussian Random Number Generator Data from CompactLogix PLC uss_RNG_Data[875]	-0.2646655	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Iss_RNG_Data[876] Gaussian Random Number Generator Data from CompactLogix PLC	-1.6951326	REAL
uss_RNG_Data[877] Gaussian Random Number Generator Data from CompactLogix PLC	2.1456652	REAL
uss_RNG_Data[878] Gaussian Random Number Generator Data from CompactLogix PLC	0.91970223	REAL
uss_RNG_Data[879] Gaussian Random Number Generator Data from CompactLogix PLC	-0.31754002	REAL
uss_RNG_Data[880]	1.0112033	REAL
Gaussian Random Number Generator Data from CompactLogix PLC uss_RNG_Data[881]	-1.4155942	REAL
Gaussian Random Number Generator Data from CompactLogix PLC ss_RNG_Data[882]	-0.016951518	REAL
Gaussian Random Number Generator Data from CompactLogix PLC ss_RNG_Data[883]	0.7530112	REAL
Gaussian Random Number Generator Data from CompactLogix PLC ss_RNG_Data[884]	1.1284218	REAL
Gaussian Random Number Generator Data from CompactLogix PLC s_RNG_Data[885]	1.0212833	REAL
Gaussian Random Number Generator Data from CompactLogix PLC ss_RNG_Data[886]	-1.1695406	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.32401517	
uss_RNG_Data[888] Gaussian Random Number Generator Data from CompactLogix PLC	1.0119281	REAL
ss_RNG_Data[889] Gaussian Random Number Generator Data from CompactLogix PLC	-2.3777916	REAL
uss_RNG_Data[890] Gaussian Random Number Generator Data from CompactLogix PLC	1.2526957	REAL
uss_RNG_Data[891] Gaussian Random Number Generator Data from CompactLogix PLC	0.19314152	REAL
ss_RNG_Data[892]	0.19445297	REAL
Gaussian Random Number Generator Data from CompactLogix PLC uss_RNG_Data[893]	-0.0650906	REAL
Gaussian Random Number Generator Data from CompactLogix PLC ass_RNG_Data[894]	0.40080267	REAL
Gaussian Random Number Generator Data from CompactLogix PLC uss_RNG_Data[895]	-0.96935636	REAL
Gaussian Random Number Generator Data from CompactLogix PLC uss_RNG_Data[896]	1.1516892	REAL
Gaussian Random Number Generator Data from CompactLogix PLC uss_RNG_Data[897]	-0.273266	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.11426173	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
nuss_RNG_Data[899]	-1.4506865	REAL

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Cause PNC Data (Continued)		
Gauss_RNG_Data (Continued) Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[900]	-0.27583846	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.2654460	DEAL
Gauss_RNG_Data[901] Gaussian Random Number Generator Data from CompactLogix PLC	-0.3654469	REAL
Gauss_RNG_Data[902]	-0.24332874	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.70704107	DEAL
Gauss_RNG_Data[903] Gaussian Random Number Generator Data from CompactLogix PLC	-0.73534197	REAL
Gauss_RNG_Data[904]	0.6909965	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[905] Gaussian Random Number Generator Data from CompactLogix PLC	0.21432436	REAL
Gauss_RNG_Data[906]	-0.3619455	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[907] Gaussian Random Number Generator Data from CompactLogix PLC	-0.4268867	REAL
Gauss_RNG_Data[908]	0.9541057	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.16000422	DEAL
Gauss_RNG_Data[909] Gaussian Random Number Generator Data from CompactLogix PLC	0.16890432	REAL
Gauss_RNG_Data[910]	-0.8162394	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.05474668	REAL
Gauss_RNG_Data[911] Gaussian Random Number Generator Data from CompactLogix PLC	-0.03474008	KEAL
Gauss_RNG_Data[912]	-0.49109048	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[913]	-0.53322566	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.53522500	KLAL
Gauss_RNG_Data[914]	-0.36667	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[915]	-1.4401289	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[916] Covering Pondom Number Congretor Data from CompactLogic PLC	0.92412037	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[917]	-0.5567329	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[918] Gaussian Random Number Generator Data from CompactLogix PLC	-0.77611876	REAL
Gauss_RNG_Data[919]	0.8520713	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.0054455	DEAL
Gauss_RNG_Data[920] Gaussian Random Number Generator Data from CompactLogix PLC	-0.33566567	REAL
Gauss_RNG_Data[921]	0.28637913	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.07295274	REAL
Gauss_RNG_Data[922] Gaussian Random Number Generator Data from CompactLogix PLC	0.07285374	KEAL
Gauss_RNG_Data[923]	-1.1755728	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[924]	-0.019872602	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.017072002	KLAL
Gauss_RNG_Data[925]	-1.5961404	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[926]	0.036548134	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[927] Gaussian Bandom Number Generator Data from CompactLogic PLC	-0.47448874	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[928]	0.2126153	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[929] Gaussian Random Number Generator Data from CompactLogix PLC	0.035548784	REAL
Gauss_RNG_Data[930]	-0.005119812	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		

Gauss_RNG_Data (Continued)		
Gauss_RNG_Data[931]	-0.18536134	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[932]	0.09428995	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[933] Gaussian Random Number Generator Data from CompactLogix PLC	-0.16337101	REAL
Gauss_RNG_Data[934]	0.15985124	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[935]	-0.298791	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[936] Gaussian Random Number Generator Data from CompactLogix PLC	1.0959653	REAL
Gauss_RNG_Data[937]	-1.5955362	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[938]	0.20569007	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.20309007	KEAL
Gauss_RNG_Data[939]	-0.17701562	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[940]	0.8599963	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[941] Gaussian Random Number Generator Data from CompactLogix PLC	2.3582752	REAL
Gauss_RNG_Data[942]	0.05949318	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[943]	0.61943203	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.017+3203	
Gauss_RNG_Data[944] Gaussian Random Number Generator Data from CompactLogix PLC	1.7044944	REAL
Gauss_RNG_Data[945]	-1.1263052	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	0.17022175	DEAL
Gauss_RNG_Data[946] Gaussian Random Number Generator Data from CompactLogix PLC	-0.16932175	REAL
Gauss_RNG_Data[947]	0.17924894	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[948]	0.7560371	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[949] Gaussian Random Number Generator Data from CompactLogix PLC	0.33547467	REAL
Gauss_RNG_Data[950]	-0.27358878	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[951]	-0.9781041	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[952] Gaussian Random Number Generator Data from CompactLogix PLC	0.75019956	REAL
Gauss_RNG_Data[953]	-1.259754	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss RNG Data[954]	-0.28705963	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	-0.28703903	KEAL
auss_RNG_Data[955]	-0.63541794	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[956]	0.39816636	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[957] Gaussian Random Number Generator Data from CompactLogix PLC	0.022204332	REAL
Gauss_RNG_Data[958]	0.8689982	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[959]	1.5377355	REAL
Gaussian Random Number Generator Data from CompactLogix PLC	1.33//333	KEAL
Gauss_RNG_Data[960]	0.032126438	REAL
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[961]	1.3479303	REAL
Gaussian Random Number Generator Data from CompactLogix PLC		
Gauss_RNG_Data[962]	-1.1117541	REAL

	Course DNC Date (Continued)		
	Gauss_RNG_Data (Continued) Gaussian Random Number Generator Data from CompactLogix PLC		
	Gauss_RNG_Data[963]	-0.4855208	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC	1.0245097	DEAL
	Gauss_RNG_Data[964] Gaussian Random Number Generator Data from CompactLogix PLC	-1.0345086	REAL
	Gauss_RNG_Data[965]	-1.2974423	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC	1.0040264	DEAL
	Gauss_RNG_Data[966] Gaussian Random Number Generator Data from CompactLogix PLC	-1.0242364	REAL
	Gauss_RNG_Data[967]	-0.085197486	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[968]	0.30307186	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC	0.3030/180	KEAL
	Gauss_RNG_Data[969]	-1.0420302	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[970]	-0.8442528	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC	-0.0 11 2320	KLAL
	Gauss_RNG_Data[971]	-0.6198842	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[972]	0.26982236	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC		
	Gauss_RNG_Data[973] Caussian Bandom Number Conserver Data from CompactLacity BLC	0.025880106	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[974]	0.54012835	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC		
	Gauss_RNG_Data[975] Gaussian Random Number Generator Data from CompactLogix PLC	-1.62362063e-003	REAL
	Gauss_RNG_Data[976]	0.91831344	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC	1 1055404	DEAL
	Gauss_RNG_Data[977] Gaussian Random Number Generator Data from CompactLogix PLC	-1.1955484	REAL
	Gauss_RNG_Data[978]	-1.265838	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[979]	0.7493266	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC	0.7453200	KLAL
	Gauss_RNG_Data[980]	-1.5035183	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[981]	-0.90649855	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC	0,000,000	
	Gauss_RNG_Data[982] Caussian Bandom Number Conserver Data from CompactLacity BLC	-0.09399436	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[983]	0.81806177	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC		
	Gauss_RNG_Data[984] Gaussian Random Number Generator Data from CompactLogix PLC	0.63900745	REAL
	Gauss_RNG_Data[985]	-1.5222222	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC	1.0050515	DEAL
	Gauss_RNG_Data[986] Gaussian Random Number Generator Data from CompactLogix PLC	-1.8873717	REAL
	Gauss_RNG_Data[987]	-0.14456972	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[988]	0.78918904	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC	0.70710704	KLAL
	Gauss_RNG_Data[989]	-1.1821818	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[990]	0.5981169	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC		
	Gauss_RNG_Data[991] Caussian Bandom Number Conserver Data from CompactLacity BLC	-0.04385664	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[992]	0.6199109	REAL
	Gaussian Random Number Generator Data from CompactLogix PLC		
	Gauss_RNG_Data[993] Gaussian Random Number Generator Data from CompactLogix PLC	0.01763092	REAL
	Caussian Famour Tomor Generalist Bala from CompactDogix I DC		
_			

Gauss_RNG_Data (Continued)			
Gauss_RNG_Data[994]	-0.22962342	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[995]	-1.9479302	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC			
Gauss_RNG_Data[996] Gaussian Random Number Generator Data from CompactLogix PLC	-1.2730063	REAL	
Gauss_RNG_Data[997]	-0.3258922	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC Gauss_RNG_Data[998]	0.76051974	REAL	
Gaussian Random Number Generator Data from CompactLogix PLC			
Gauss_RNG_Data[999] Gaussian Random Number Generator Data from CompactLogix PLC	0.7752371	REAL	
GRNG_Index	251	INT	Compact_AOI_Test
Constant	No		compact_rior_rest
External Access: GRNG_Index - P02_Random/R020_Gauss_RNG - *0(ADD), *0(MOV)	Read/Write		
	$(\mathcal{ADD}), \mathcal{A}(\mathcal{ADD}), \mathcal{A}(\mathcal{ADD})$		
Local:1:0 External Access:	Read/Write	AB:1769_DO16:O:0	Compact_AOI_Test
Local:1:O.Data	2#0000_0001_0000_0000	INT	
Local:1:O.Data - P01_A0I_Test_I0_Buffer/R010_Discrete_IO - *I(M	IOV)		
Local:2:I		AB:1769_DI16:I:0	Compact_AOI_Test
External Access:	Read/Write	D.C.	-
Local:2:I.Data Local:2:I.Data - P01_AOI_Test_IO_Buffer/R010_Discrete_IO - 2(CO)	2#0000_0000_0000_0000 P)	INT	
PID_Cycle_Done	0	BOOL	Compact_AOI_Test
One PID Instruction Cycle Completed (40 PIDs / 1.0 sec)			
Constant External Access:	No Read/Write		
PID_Cycle_Done - P03_RMPS_AOI_Test/R001_RMPS_Main - *0(OT	E)		
PID_Cycle_Done - P03_RMPS_AOI_Test/R020_RMPS_PIDE_Lad - 1	I(XIO)		
PID_Cycle_Index	0	INT	Compact_AOI_Test
Constant External Access:	No Read/Write		
PID_Cycle_Index - P03_RMPS_AOI_Test/R020_RMPS_PIDE_Lad - *			
PID_Enable		BOOL[32]	Compact_AOI_Test
Constant	No	5005[52]	Compact_1101_10st
External Access: PID_Enable[1]	Read/Write 0	BOOL	
Ramp and Soak PIDE Instruction Enable		BOOL	
PID_Enable[1] - P03_RMPS_AOI_Test/R020_RMPS_PIDE_Lad - *5(PID_Enable[1] - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - 1-E			
PID_Enable[1] - FOS_KMFS_AOI_Test/ROSO_KMFS_FIDE_FB - I-E. PID_Enable[2]	1(FIDE,RMFS_FIDE.Enablem), 1-E2(IREF,FID_Enable[1]) 0	BOOL	
PIDE Test #1 Enable Command	0	DOOL	
PID_Enable[3] PIDE Test #2 Enable Command	O .	BOOL	
PID_Index	35	INT	Compact_AOI_Test
PID Instruction Index Counter			1
Constant External Access:	No Read/Write		
PID_Index - P03_RMPS_AOI_Test/R001_RMPS_Main - *0(ADD), *0	$(MOV), \ O(ADD), \ O(GRT)$		
PID_Index - P03_RMPS_AOI_Test/R020_RMPS_PIDE_Lad - 5(EQU)			
PIDE_ONS		BOOL[32]	P03_RMPS_AOI_Test
PIDE One Shot Bit Constant	No		
External Access:	Read/Write		

PIDE_ONS (Continued)		Door
PIDE_ONS[0] PIDE One Shot Bit	1	BOOL
	OI_Test/R020_RMPS_PIDE_Lad - *5(ONS)	
PIDE_ONS[1]	0	BOOL
PIDE One Shot Bit		
PIDE_ONS[2]	1	BOOL
PIDE One Shot Bit PIDE_ONS[3]	0	BOOL
PIDE One Shot Bit	O Company of the Comp	BOOL
PIDE_ONS[4]	0	BOOL
PIDE One Shot Bit		2007
PIDE_ONS[5] PIDE One Shot Bit	0	BOOL
PIDE One Shot Bit PIDE_ONS[6]	0	BOOL
PIDE One Shot Bit	v	2002
PIDE_ONS[7]	0	BOOL
PIDE One Shot Bit	0	DOOL
PIDE_ONS[8] PIDE One Shot Bit	0	BOOL
PIDE_ONS[9]	0	BOOL
PIDE One Shot Bit		
PIDE_ONS[10] PIDE One Shot Bit	0	BOOL
PIDE One Shot Bit PIDE_ONS[11]	0	BOOL
PIDE One Shot Bit		
PIDE_ONS[12]	0	BOOL
PIDE One Shot Bit PIDE_ONS[13]	0	BOOL
PIDE One Shot Bit	O Company of the Comp	BOOL
PIDE_ONS[14]	0	BOOL
PIDE One Shot Bit	0	BOOL
PIDE_ONS[15] PIDE One Shot Bit	O .	BOOL
PIDE_ONS[16]	0	BOOL
PIDE One Shot Bit		2007
PIDE_ONS[17] PIDE One Shot Bit	0	BOOL
PIDE_ONS[18]	0	BOOL
PIDE One Shot Bit		
PIDE_ONS[19]	0	BOOL
PIDE One Shot Bit PIDE_ONS[20]	0	BOOL
PIDE One Shot Bit	U	BOOL
PIDE_ONS[21]	0	BOOL
PIDE One Shot Bit	0	DOOL
PIDE_ONS[22] PIDE One Shot Bit	Ü	BOOL
PIDE_ONS[23]	0	BOOL
PIDE One Shot Bit		
PIDE_ONS[24] PIDE One Shot Bit	0	BOOL
PIDE One Shot Bit PIDE_ONS[25]	0	BOOL
PIDE One Shot Bit		
PIDE_ONS[26]	0	BOOL
PIDE One Shot Bit PIDE_ONS[27]	0	BOOL
PIDE_ONS[27] PIDE One Shot Bit	V	BOOL
PIDE_ONS[28]	0	BOOL
PIDE One Shot Bit		DOC
PIDE_ONS[29] PIDE One Shot Bit	0	BOOL
PIDE_ONS[30]	0	BOOL
PIDE One Shot Bit		

			C./RDLogix 5000/110/jects/Denen Test/Random_1101_Test_01042020.11C
PIDE_ONS (Continued)		noor.	
PIDE_ONS[31] PIDE One Shot Bit	0	BOOL	
RMPS_Auto_PB Ramp and Soak 1 PIDE Auto Mode Pushbutton	0	BOOL	Compact_AOI_Test
Constant	No		
External Access:	Read/Write		
RMPS_Auto_PB - P03_RMPS_AOI_Test/R020_RMPS_Pi			
RMPS_Done Ramp & Soak 1 Sequence Done	0	BOOL	Compact_AOI_Test
Constant	No		
External Access:	Read/Write		
RMPS_Done - P03_RMPS_AOI_Test/R020_RMPS_PIDE			
¶ RMPS_Hold	0	BOOL	Compact_AOI_Test
Ramp & Soak 1 Hold Command			
Constant	No Parad Write		
External Access: RMPS_Hold - P03_RMPS_AOI_Test/R020_RMPS_PIDE	Read/Write		
RMPS_Hold - P03_RMPS_A01_Test/R030_RMPS_PIDE_		B2(IREF,RMPS_Hold)	
¶ RMPS_Init	0	BOOL	Compact_AOI_Test
Ramp & SoaK 1 Initialize Command			
Constant	No		
External Access: RMPS_Init - P03_RMPS_AOI_Test/R020_RMPS_PIDE_I	Read/Write		
RMPS_Init - P03_RMPS_AOI_Test/R030_RMPS_PIDE_I		1-B3(IREF,RMPS_Init)	
¶ RMPS_Man_PB	0	BOOL	Compact_AOI_Test
Ramp and Soak 1 PIDE Manual Mode Pushbutton	N.		
Constant External Access:	No Read/Write		
RMPS_Man_PB - P03_RMPS_AOI_Test/R020_RMPS_P1			
¶ RMPS_PIDE		PID_ENHANCED	Compact_AOI_Test
Ramp and Soak1 PIDE Instruction	N-		
Constant External Access:	No Read/Write		
		t), *1-E1(PIDE,RMPS_PIDE), *1-E1(PIDE,RMPS_PIDE.CVEU), *1-E1(PIDE,RMPS_PIDE.PV), *1-E2(II	REF,1), *1-E2(IREF,PID_Enable[1]), *1-E2(IREF,RMPS_PIDE_Man_Out),
RMPS_PIDE.EnableIn	0	BOOL	
Ramp and Soak1 PIDE Instruction			
RMPS_PIDE.PV Ramp and Soak1 PIDE Instruction	0.0	REAL	
RMPS_PIDE.PVFault	0	BOOL	
Ramp and Soak1 PIDE Instruction RMPS_PIDE.PVEUMax	100.0	REAL	
Ramp and Soak1 PIDE Instruction RMPS_PIDE.PVEUMin	0.0	REAL	
Ramp and Soak1 PIDE Instruction RMPS_PIDE.SPProg	0.0	REAL	
Ramp and Soak1 PIDE Instruction			
RMPS_PIDE.SPOper Ramp and Soak1 PIDE Instruction	0.0	REAL	
RMPS_PIDE.SPCascade Ramp and Soak1 PIDE Instruction	0.0	REAL	
RMPS_PIDE.SPHLimit Ramp and Soak1 PIDE Instruction	100.0	REAL	
RMPS_PIDE.SPLLimit	0.0	REAL	
Ramp and Soak1 PIDE Instruction RMPS_PIDE.UseRatio	0	BOOL	
Ramp and Soak1 PIDE Instruction			
			DSI ogiv 500

DMDC DIDE (Continued)		
RMPS_PIDE (Continued) RMPS_PIDE.RatioProg	1.0	REAL
Ramp and Soak1 PIDE Instruction	1.0	DEAL
RMPS_PIDE.RatioOper Ramp and Soak1 PIDE Instruction	1.0	REAL
RMPS_PIDE.RatioHLimit	1.0	REAL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.RatioLLimit	1.0	REAL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.CVFault Ramp and Soak1 PIDE Instruction	0	BOOL
RMPS_PIDE.CVInitReq	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.CVInitValue	0.0	REAL
Ramp and Soak1 PIDE Instruction	0.0	REAL
RMPS_PIDE.CVProg	0.0	REAL
Ramp and Soak1 PIDE Instruction RMPS PIDE.CVOper	0.0	REAL
Ramp and Soak PIDE Instruction	0.0	DEAL
RMPS_PIDE.CVOverride Ramp and Soak1 PIDE Instruction	0.0	REAL
RMPS_PIDE.CVPrevious	0.0	REAL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.CVSetPrevious	0	BOOL
Ramp and Soak1 PIDE Instruction		Poor
RMPS_PIDE.CVManLimiting Ramp and Soak1 PIDE Instruction	0	BOOL
RMPS_PIDE.CVEUMax	100.0	REAL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.CVEUMin	0.0	REAL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.CVHLimit Ramp and Soak1 PIDE Instruction	100.0	REAL
RMPS_PIDE.CVLLimit	0.0	REAL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.CVROCLimit	0.0	REAL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.FF Ramp and Soak1 PIDE Instruction	0.0	REAL
RMPS_PIDE.FFPrevious	0.0	REAL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.FFSetPrevious	0	BOOL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.HandFB Ramp and Soak1 PIDE Instruction	0.0	REAL
RMPS_PIDE.HandFBFault	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.WindupHIn	0	BOOL
Ramp and Soak1 PIDE Instruction	U	
RMPS_PIDE.WindupLIn Ramp and Soak1 PIDE Instruction	0	BOOL
RMPS_PIDE.ControlAction	0	BOOL
Ramp and Soak1 PIDE Instruction	0	BOOL
RMPS_PIDE.DependIndepend Ramp and Soak1 PIDE Instruction	Ü	BOOL
RMPS_PIDE.PGain	0.3	REAL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.IGain	55.0	REAL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.DGain Ramp and Soak1 PIDE Instruction	0.0	REAL
RMPS_PIDE.PVEProportional	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.PVEDerivative	1	BOOL
VAIL 2 LIDE'L A EDELIAMINE	1	BOOL

RMPS_PIDE (Continued)		
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.DSmoothing	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.PVTracking	0	BOOL
Ramp and Soak1 PIDE Instruction	U	BOOL
RMPS_PIDE.ZCDeadband	0.0	REAL
Ramp and Soak1 PIDE Instruction	0	noot
RMPS_PIDE.ZCOff Ramp and Soak1 PIDE Instruction	0	BOOL
RMPS_PIDE.PVHHLimit	3.40282347e+038	REAL
Ramp and Soak1 PIDE Instruction	0.40000045000	DE 17
RMPS_PIDE.PVHLimit Ramp and Soak1 PIDE Instruction	3.40282347e+038	REAL
RMPS_PIDE.PVLLimit	-3.40282347e+038	REAL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.PVLLLimit Ramp and Soak1 PIDE Instruction	-3.40282347e+038	REAL
RMPS_PIDE.PVDeadband	0.0	REAL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.PVROCPosLimit Ramp and Soak1 PIDE Instruction	0.0	REAL
RMPS_PIDE.PVROCNegLimit	0.0	REAL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.PVROCPeriod	0.0	REAL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.DevHHLimit	3.40282347e+038	REAL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.DevHLimit	3.40282347e+038	REAL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.DevLLimit	3.40282347e+038	REAL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.DevLLLimit	3.40282347e+038	REAL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.DevDeadband	0.0	REAL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.AllowCasRat	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.ManualAfterInit	0	BOOL
Ramp and Soak1 PIDE Instruction	•	
RMPS_PIDE.ProgProgReq	1	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.ProgOperReq	0	BOOL
Ramp and Soak1 PIDE Instruction	Ç	2002
RMPS_PIDE.ProgCasRatReq	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.ProgAutoReq	0	BOOL
Ramp and Soak1 PIDE Instruction	Ç	2002
RMPS_PIDE.ProgAutoReq - P03_RMPS_AOI_Test/R02	0_RMPS_PIDE_Lad - *5(OTE)	poor
RMPS_PIDE.ProgManualReq Ramp and Soak1 PIDE Instruction	1	BOOL
RMPS_PIDE.ProgManualReq - P03_RMPS_AOI_Test/F	R020_RMPS_PIDE_Lad - *5(OTE), 5(XIC), 5(XIO)	
RMPS_PIDE.ProgOverrideReq	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.ProgHandReq	0	BOOL
Ramp and Soak1 PIDE Instruction	•	BOOL
RMPS_PIDE.OperProgReq	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.OperOperReq	0	BOOL
Ramp and Soak1 PIDE Instruction		DOOL
RMPS_PIDE.OperCasRatReq	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.OperAutoReq	0	BOOL
Ramp and Soak1 PIDE Instruction	V	BOOL
-		

RMPS_PIDE (Continued)		
RMPS_PIDE.OperManualReq	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.ProgValueReset	0	BOOL
Ramp and Soak1 PIDE Instruction	U	BOOL
RMPS_PIDE.TimingMode	1	DINT
Ramp and Soak1 PIDE Instruction RMPS_PIDE.OversampleDT	1.0	REAL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.RTSTime Ramp and Soak1 PIDE Instruction	1	DINT
RMPS_PIDE.RTSTimeStamp	0	DINT
Ramp and Soak1 PIDE Instruction RMPS_PIDE.AtuneAcquire	0	BOOL
Ramp and Soak1 PIDE Instruction	V	
RMPS_PIDE.AtuneStart Ramp and Soak1 PIDE Instruction	0	BOOL
RMPS_PIDE.AtuneUseGains	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS PIDE.AtuneAbort	0	BOOL
Ramp and Soak1 PIDE Instruction	U	BOOL
RMPS_PIDE.AtuneUnacquire	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.EnableOut	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.CVEU	0.0	REAL
Ramp and Soak1 PIDE Instruction	0.0	REAL
RMPS_PIDE.CV Ramp and Soak1 PIDE Instruction	0.0	REAL
RMPS_PIDE.CVInitializing	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.CVHAlarm	0	BOOL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.CVLAlarm Ramp and Soak1 PIDE Instruction	0	BOOL
RMPS_PIDE.CVROCAlarm	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS PIDE.SP	0.0	REAL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.SPPercent Ramp and Soak1 PIDE Instruction	0.0	REAL
RMPS_PIDE.SPHAlarm	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.SPLAlarm	0	BOOL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.PVPercent Ramp and Soak1 PIDE Instruction	0.0	REAL
RMPS_PIDE.E	0.0	REAL
Ramp and Soak1 PIDE Instruction RMPS PIDE.EPercent	0.0	REAL
Ramp and Soak1 PIDE Instruction	0.0	
RMPS_PIDE.InitPrimary Ramp and Soak1 PIDE Instruction	1	BOOL
RMPS_PIDE.WindupHOut	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.WindupLOut	0	BOOL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.Ratio Ramp and Soak1 PIDE Instruction	1.0	REAL
RMPS_PIDE.RatioHAlarm	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.RatioLAlarm	0	BOOL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.ZCDeadbandOn	0	BOOL

DMDC DIDE (Continued)		
RMPS_PIDE (Continued)		
Ramp and Soak1 PIDE Instruction	0	DOOL
RMPS_PIDE.PVHHAlarm Ramp and Soak1 PIDE Instruction	0	BOOL
RAMPS PIDE.PVHAlarm	0	BOOL
Ramp and Soak1 PIDE Instruction	O	BOOL
RMPS_PIDE.PVLAlarm	0	BOOL
Ramp and Soak1 PIDE Instruction	O .	BOOL
RMPS_PIDE.PVLLAlarm	0	BOOL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.PVROCPosAlarm	0	BOOL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.PVROCNegAlarm	0	BOOL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.DevHHAlarm	0	BOOL
Ramp and Soak1 PIDE Instruction		DOO!
RMPS_PIDE.DevHAlarm	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS PIDE.DevLAlarm	0	BOOL
Ramp and Soak1 PIDE Instruction	O	BOOL
RMPS_PIDE.DevLLAlarm	0	BOOL
Ramp and Soak1 PIDE Instruction	V	BOOL
RMPS PIDE.ProgOper	1	BOOL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.CasRat	0	BOOL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.Auto	0	BOOL
Ramp and Soak1 PIDE Instruction		7.00
RMPS_PIDE.Manual	1	BOOL
Ramp and Soak1 PIDE Instruction	E I - I 1(VIC)	
RMPS_PIDE.Manual - P03_RMPS_AOI_Test/R020_RMPS_PIDI RMPS_PIDE.Override		BOOL
Ramp and Soak1 PIDE Instruction	0	BOOL
RMPS_PIDE.Hand	0	BOOL
Ramp and Soak1 PIDE Instruction	·	DOOL
RMPS_PIDE.DeltaT	1.0	REAL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.AtuneReady	0	BOOL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.AtuneOn	0	BOOL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.AtuneDone	0	BOOL
Ramp and Soak1 PIDE Instruction	0	poor
RMPS_PIDE.AtuneAborted	0	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.AtuneBusy	0	BOOL
Ramp and Soak1 PIDE Instruction	V	DOOL
RMPS_PIDE.Status1	16#0000_0000	DINT
Ramp and Soak1 PIDE Instruction	10110000_0000	DIN
RMPS PIDE.Status2	16#0000_0000	DINT
Ramp and Soak1 PIDE Instruction	_	
RMPS_PIDE.InstructFault	0	BOOL
Ramp and Soak1 PIDE Instruction		
RMPS_PIDE.PVFaulted	0	BOOL
Ramp and Soak1 PIDE Instruction		~~~
RMPS_PIDE.CVFaulted	0	BOOL
Ramp and Soak1 PIDE Instruction	0	DOOI
RMPS_PIDE.HandFBFaulted Ramp and Soak1 PIDE Instruction	0	BOOL
Ramp and Soaki Pide Instruction RMPS_PIDE.PVSpanInv	0	BOOL
Ramp and Soak1 PIDE Instruction	V	BOOL
RMPS_PIDE.SPProgInv	0	BOOL
Ramp and Soak1 PIDE Instruction	-	2002
RMPS_PIDE.SPOperInv	0	BOOL

RMPS_PIDE (Continued)			
Ramp and Soak1 PIDE Instruction			
RMPS_PIDE.SPCascadeInv	0	1	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.SPLimitsInv	0	1	BOOL
Ramp and Soak1 PIDE Instruction	O	,	BOOL
RMPS_PIDE.RatioProgInv	0]	BOOL
Ramp and Soak1 PIDE Instruction	0	,	DOOL
RMPS_PIDE.RatioOperInv Ramp and Soak1 PIDE Instruction	0	1	BOOL
RMPS_PIDE.RatioLimitsInv	0	1	BOOL
Ramp and Soak1 PIDE Instruction			
RMPS_PIDE.CVProgInv Ramp and Soak1 PIDE Instruction	0		BOOL
RMPS_PIDE.CVOperInv	0]	BOOL
Ramp and Soak 1 PIDE Instruction			
RMPS_PIDE.CVOverrideInv	0]	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.CVPreviousInv	0]	BOOL
Ramp and Soak1 PIDE Instruction			
RMPS_PIDE.CVEUSpanInv	0]	BOOL
Ramp and Soak1 PIDE Instruction RMPS PIDE.CVLimitsInv	0	1	BOOL
Ramp and Soak1 PIDE Instruction	· ·		2002
RMPS_PIDE.CVROCLimitInv	0]	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.FFInv	0	1	BOOL
Ramp and Soak1 PIDE Instruction	· ·		2002
RMPS_PIDE.FFPreviousInv	0]	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.HandFBInv	0	1	BOOL
Ramp and Soak1 PIDE Instruction	· ·		
RMPS_PIDE.PGainInv	0]	BOOL
Ramp and Soak1 PIDE Instruction RMPS PIDE.IGainInv	0	1	BOOL
Ramp and Soak1 PIDE Instruction	· ·	•	DOOL
RMPS_PIDE.DGainInv	0	1	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.ZCDeadbandInv	0	1	BOOL
Ramp and Soak1 PIDE Instruction	· ·	•	DOOL
RMPS_PIDE.PVDeadbandInv	0	1	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.PVROCLimitsInv	0	1	BOOL
Ramp and Soak1 PIDE Instruction	O .	•	DOOL
RMPS_PIDE.DevHLLimitsInv	0	1	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.DevDeadbandInv	0	1	BOOL
Ramp and Soak1 PIDE Instruction	O .	•	DOOL
RMPS_PIDE.AtuneDataInv	0]	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.TimingModeInv	0	1	BOOL
Ramp and Soak1 PIDE Instruction	Ü		DOOL
RMPS_PIDE.RTSMissed	0]	BOOL
Ramp and Soak1 PIDE Instruction RMPS_PIDE.RTSTimeInv	0	1	BOOL
RMPS_PIDE.R1S1ImeInv Ramp and Soak1 PIDE Instruction	U	,	DOOL
RMPS_PIDE.RTSTimeStampInv	0	1	BOOL
Ramp and Soak1 PIDE Instruction	0	1	BOOL
RMPS_PIDE.DeltaTInv Ramp and Soak1 PIDE Instruction	0	1	DOOL
RMPS_PIDE_Auto_Restart Room & Sould I PIDE Instruction Auto Restart Command (Three	0 Program to Pun Transitions)]	BOOL
Ramp & Soak 1 PIDE Instruction Auto Restart Command (Three Constant	No No		
Constant			

Compact_AOI_Test

Segment 10 Hold Time in Minutes

RMPS_PIDE_Auto_Restart (Continued) Read/Write External Access: RMPS_PIDE_Auto_Restart - P03_RMPS_AOI_Test/R020_RMPS_PIDE_Lad - *1(OTE), 3(XIO), 5(XIO) **BOOL RMPS PIDE Auto Start** 0 Compact_AOI_Test Ramp & Soak 1 PIDE Instruction Auto Mode Start Command Constant No Read/Write External Access: RMPS_PIDE_Auto_Start - P03_RMPS_AOI_Test/R020_RMPS_PIDE_Lad - *2(OTE), 5(XIO) RMPS PIDE Man Out 0.0 **REAL** Compact_AOI_Test Ramp & Soak 1 PIDE Manual Output (percent) Constant No **External Access:** Read/Write RMPS PIDE Man Out - P03 RMPS AOI Test/R020 RMPS PIDE Lad - *5(MOV) RMPS_PIDE_Man_Out - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - 1-E1(PIDE,RMPS_PIDE.CVProg), 1-E2(IREF,RMPS_PIDE_Man_Out) **I** RMPS_PIDE_Out 0.0 **REAL** Compact AOI Test Ramp & Soak 1 PIDE Output (percent) No Constant External Access: Read/Write RMPS PIDE Out - P03 RMPS AOI Test/R020 RMPS PIDE Lad - 5(MOV) RMPS_PIDE_Out - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - *1-G2(OREF,RMPS_PIDE_Out), 1-B2(a_RMPS,a_RMPS_01.PV), 1-B2(IREF,RMPS_PIDE_Out), 1-E1(PIDE,RMPS_PIDE.CVEU) RMPS Run Cmd 0 **BOOL** Compact_AOI_Test Ramp & Soak 1 Run Command Constant No External Access: Read/Write RMPS Run Cmd - P03 RMPS AOI Test/R020 RMPS PIDE Lad - *2(OTE), 2(XIO) RMPS_Run_Cmd - P03_RMPS_A0I_Test/R030_RMPS_PIDE_FB - 1-B1(IREF,RMPS_Run_Cmd), 1-B2(a_RMPS,a_RMPS_01.Run_Cmd) RMPS_Segs 3 **INT** Compact_AOI_Test Ramp & Soak 1 Number of Segment / Steps Constant No **External Access:** Read/Write RMPS_Segs - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - 1-A2(IREF,RMPS_Segs), 1-B2(a_RMPS,a_RMPS_01.Num_of_Seg) RMPS SHold Time REAL[11] Compact AOI Test Ramp & Soak 1 Segment Hold Times in Minutes Constant No External Access: Read/Write RMPS_SHold_Time - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - *1-B2(a_RMPS,a_RMPS_01) RMPS SHold Time[0] **REAL** 0.0 Segment 0 Hold Time in Minutes RMPS_SHold_Time[1] 0.0 **REAL** Segment 1 Hold Time in Minutes 0.0**REAL** RMPS_SHold_Time[2] Segment 2 Hold Time in Minutes RMPS_SHold_Time[3] 0.0 **REAL** Segment 3 Hold Time in Minutes RMPS_SHold_Time[4] 0.0 **REAL** Segment 4 Hold Time in Minutes RMPS_SHold_Time[5] 0.0 **REAL** Segment 5 Hold Time in Minutes RMPS_SHold_Time[6] 0.0 **REAL** Segment 6 Hold Time in Minutes RMPS SHold Time[7] 0.0 **REAL** Segment 7 Hold Time in Minutes RMPS SHold Time[8] 0.0 **REAL** Segment 8 Hold Time in Minutes 0.0 RMPS SHold Time[9] **REAL** Segment 9 Hold Time in Minutes RMPS_SHold_Time[10] 0.0 **REAL**

1 RMPS_SP		REAL[11]	Compact_AOI_Test
Constant	No		
External Access:	Read/Write		
RMPS_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - *1-B2(a_	_RMPS,a_RMPS_01)		
□ RMPS_SRun_Time		REAL[11]	Compact_AOI_Test
Ramp & Soak 1 Segment Times in Minutes		REAL[11]	Compact_AOI_Test
Constant	No		
External Access:	Read/Write		
RMPS_SRun_Time - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB -	*1-B2(a_RMPS,a_RMPS_01)		
RMPS_SRun_Time[0]	0.0	REAL	
Segment 0 Segment Time in Minutes			
RMPS_SRun_Time[1]	0.0	REAL	
Segment 1 Segment Time in Minutes RMPS_SRun_Time[2]	0.0	REAL	
Segment 2 Segment Time in Minutes	0.0	KEAL	
RMPS_SRun_Time[3]	0.0	REAL	
Segment 3 Segment Time in Minutes			
RMPS_SRun_Time[4]	0.0	REAL	
Segment 4 Segment Time in Minutes			
RMPS_SRun_Time[5]	0.0	REAL	
Segment 5 Segment Time in Minutes	0.0	REAL	
RMPS_SRun_Time[6] Segment 6 Segment Time in Minutes	0.0	KEAL	
RMPS_SRun_Time[7]	0.0	REAL	
Segment 7 Segment Time in Minutes		N. I.	
RMPS_SRun_Time[8]	0.0	REAL	
Segment 8 Segment Time in Minutes			
RMPS_SRun_Time[9]	0.0	REAL	
Segment 9 Segment Time in Minutes	0.0	DEAL	
RMPS_SRun_Time[10] Segment 10 Segment Time in Minutes	0.0	REAL	
Segment to Segment time in windles			
□ RMPS_STime_SP		REAL[11]	Compact_AOI_Test
Constant	No	REAL[11]	Compact_AOI_Test
Constant External Access:	Read/Write	REAL[11]	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - *	Read/Write 1-B2(a_RMPS,a_RMPS_01)		Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0]	Read/Write	REAL[11] REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min)	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0	REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1]	Read/Write 1-B2(a_RMPS,a_RMPS_01)		Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2]	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0	REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min)	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0	REAL REAL REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3]	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0	REAL REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min)	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0	REAL REAL REAL REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4]	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0	REAL REAL REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4] Segment 4 Time (min)	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0 0.0	REAL REAL REAL REAL REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4]	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0	REAL REAL REAL REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4] Segment 4 Time (min) RMPS_STime_SP[5] Segment 5 Time (min) RMPS_STime_SP[6]	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0 0.0	REAL REAL REAL REAL REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4] Segment 4 Time (min) RMPS_STime_SP[5] Segment 5 Time (min) RMPS_STime_SP[6] Segment 6 Time (min)	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0 0.0 0.0 0.0 0.0	REAL REAL REAL REAL REAL REAL REAL REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4] Segment 4 Time (min) RMPS_STime_SP[5] Segment 5 Time (min) RMPS_STime_SP[6] Segment 6 Time (min) RMPS_STime_SP[7]	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0 0.0 0.0	REAL REAL REAL REAL REAL REAL REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4] Segment 4 Time (min) RMPS_STime_SP[5] Segment 5 Time (min) RMPS_STime_SP[6] Segment 6 Time (min) RMPS_STime_SP[7] Segment 7 Time (min)	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0 0.0 0.0 0.0 0.0	REAL REAL REAL REAL REAL REAL REAL REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4] Segment 4 Time (min) RMPS_STime_SP[5] Segment 5 Time (min) RMPS_STime_SP[6] Segment 6 Time (min) RMPS_STime_SP[7] Segment 7 Time (min) RMPS_STime_SP[8]	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0 0.0 0.0 0.0 0.0	REAL REAL REAL REAL REAL REAL REAL REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4] Segment 4 Time (min) RMPS_STime_SP[5] Segment 5 Time (min) RMPS_STime_SP[6] Segment 6 Time (min) RMPS_STime_SP[7] Segment 7 Time (min) RMPS_STime_SP[8] Segment 8 Time (min)	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0 0.0 0.0 0.0 0.0	REAL REAL REAL REAL REAL REAL REAL REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4] Segment 4 Time (min) RMPS_STime_SP[5] Segment 5 Time (min) RMPS_STime_SP[6] Segment 6 Time (min) RMPS_STime_SP[7] Segment 7 Time (min) RMPS_STime_SP[8]	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0 0.0 0.0 0.0 0.0	REAL REAL REAL REAL REAL REAL REAL REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4] Segment 4 Time (min) RMPS_STime_SP[5] Segment 5 Time (min) RMPS_STime_SP[6] Segment 6 Time (min) RMPS_STime_SP[7] Segment 7 Time (min) RMPS_STime_SP[8] Segment 8 Time (min) RMPS_STime_SP[9] Segment 9 Time (min) RMPS_STime_SP[9]	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0 0.0 0.0 0.0 0.0	REAL REAL REAL REAL REAL REAL REAL REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4] Segment 4 Time (min) RMPS_STime_SP[5] Segment 5 Time (min) RMPS_STime_SP[6] Segment 6 Time (min) RMPS_STime_SP[7] Segment 7 Time (min) RMPS_STime_SP[8] Segment 8 Time (min) RMPS_STime_SP[9] Segment 9 Time (min)	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0 0.0 0.0 0.0 0.0	REAL REAL REAL REAL REAL REAL REAL REAL	Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4] Segment 4 Time (min) RMPS_STime_SP[5] Segment 5 Time (min) RMPS_STime_SP[6] Segment 6 Time (min) RMPS_STime_SP[7] Segment 7 Time (min) RMPS_STime_SP[8] Segment 8 Time (min) RMPS_STime_SP[9] Segment 9 Time (min) RMPS_STime_SP[10] Segment 10 Time (min)	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	REAL REAL REAL REAL REAL REAL REAL REAL	
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4] Segment 4 Time (min) RMPS_STime_SP[5] Segment 5 Time (min) RMPS_STime_SP[6] Segment 6 Time (min) RMPS_STime_SP[7] Segment 7 Time (min) RMPS_STime_SP[8] Segment 8 Time (min) RMPS_STime_SP[9] Segment 9 Time (min) RMPS_STime_SP[10] Segment 10 Time (min)	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0	REAL REAL REAL REAL REAL REAL REAL REAL	Compact_AOI_Test Compact_AOI_Test
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4] Segment 4 Time (min) RMPS_STime_SP[5] Segment 5 Time (min) RMPS_STime_SP[6] Segment 6 Time (min) RMPS_STime_SP[7] Segment 7 Time (min) RMPS_STime_SP[8] Segment 8 Time (min) RMPS_STime_SP[9] Segment 9 Time (min) RMPS_STime_SP[10] Segment 10 Time (min)	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0 0.0 0.0 0.0 0.0	REAL REAL REAL REAL REAL REAL REAL REAL	
Constant External Access: RMPS_STime_SP - P03_RMPS_AOI_Test/R030_RMPS_PIDE_FB - * RMPS_STime_SP[0] Segment 0 Time (min) RMPS_STime_SP[1] Segment 1 Time (min) RMPS_STime_SP[2] Segment 2 Time (min) RMPS_STime_SP[3] Segment 3 Time (min) RMPS_STime_SP[4] Segment 4 Time (min) RMPS_STime_SP[5] Segment 5 Time (min) RMPS_STime_SP[6] Segment 6 Time (min) RMPS_STime_SP[7] Segment 7 Time (min) RMPS_STime_SP[8] Segment 8 Time (min) RMPS_STime_SP[9] Segment 9 Time (min) RMPS_STime_SP[10] Segment 10 Time (min)	Read/Write 1-B2(a_RMPS,a_RMPS_01) 0.0 2.0 5.0 2.0 0.0 0.0 0.0 0.0	REAL REAL REAL REAL REAL REAL REAL REAL	

External Access:

True - P02_AOI_Test/R001_AOI_Main - *1(OTE)

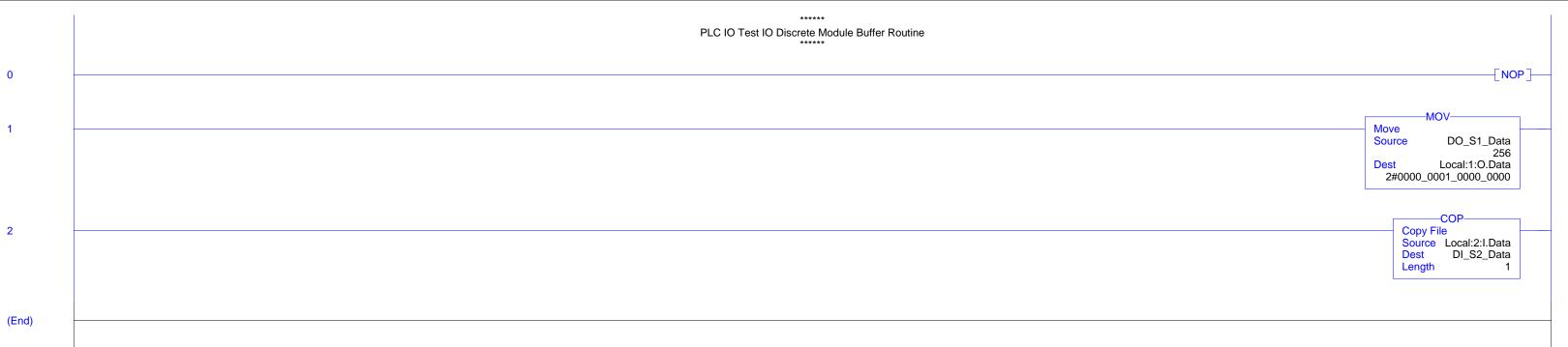
1 Toggle_2 BOOL 0 Compact_AOI_Test Constant No External Access: Read/Write Toggle_2 - P03_RMPS_AOI_Test/R020_RMPS_PIDE_Lad - *2(OTU), 2(XIC) **BOOL 1** Toggle_3 Compact_AOI_Test No Constant External Access: Read/Write Toggle_3 - P03_RMPS_AOI_Test/R020_RMPS_PIDE_Lad - *3(OTU), 3(XIC) **1** Toggle_4 **BOOL** Compact_AOI_Test Constant No External Access: Read/Write Toggle_4 - P03_RMPS_AOI_Test/R020_RMPS_PIDE_Lad - *4(OTU), 3(XIO) TOT_01 **TOTALIZER** P02_AOI_Test Constant No External Access: Read/Write $TOT_01 - P02_AOI_Test/R200_Totalizer_1 - *1-B2(BNOT,BNOT_01.Out), *1-B2(BNOT,BNOT_01.Out), *1-B2(IREF,0.5), *1-B2(IREF,1.0), *1-B2(IREF,1.0)$ Total_Start_1 0 **BOOL** Compact_AOI_Test Constant No External Access: Read/Write $Total_Start_1 - P02_AOI_Test/R200_Totalizer_1 - 1-B2(BNOT,BNOT_01.In), \ 1-B3(IREF,Total_Start_1), \ 1-C1(TOT,TOT_01.ProgStartReq)$ **1** True **BOOL** Compact_AOI_Test Always True Bit Constant No

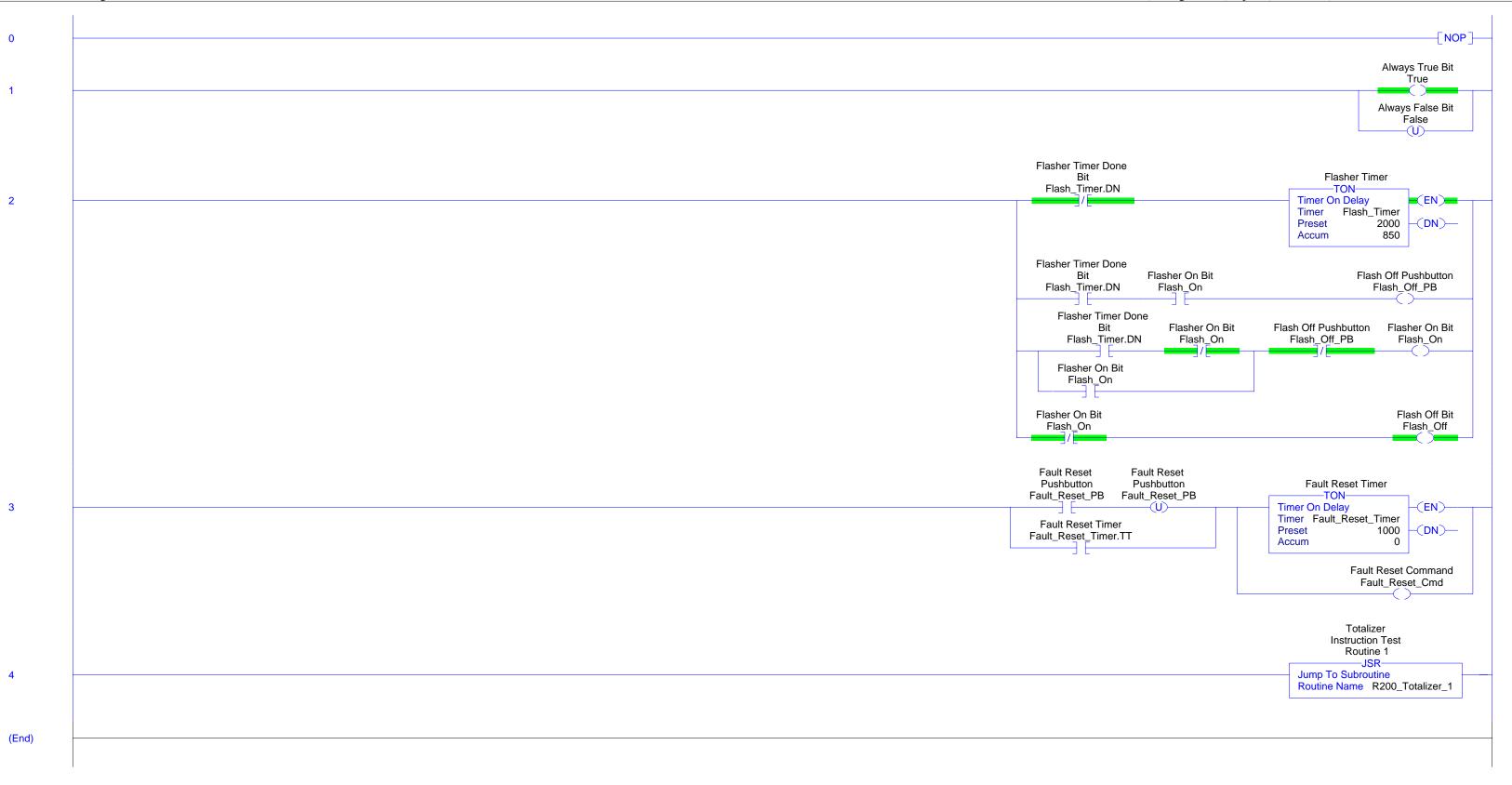
Read/Write

R001_IO_Buffer_Main - Ladder Diagram
Compact_AOI_Test:AOI_Test:P01_AOI_Test_IO_Buffer
Total number of rungs in routine: 2 **Page 49** 1/4/2020 9:28:16 PM

C:\RSLogix 5000\Projects\Bench Test\Random_AOI_Test_01042020.ACD

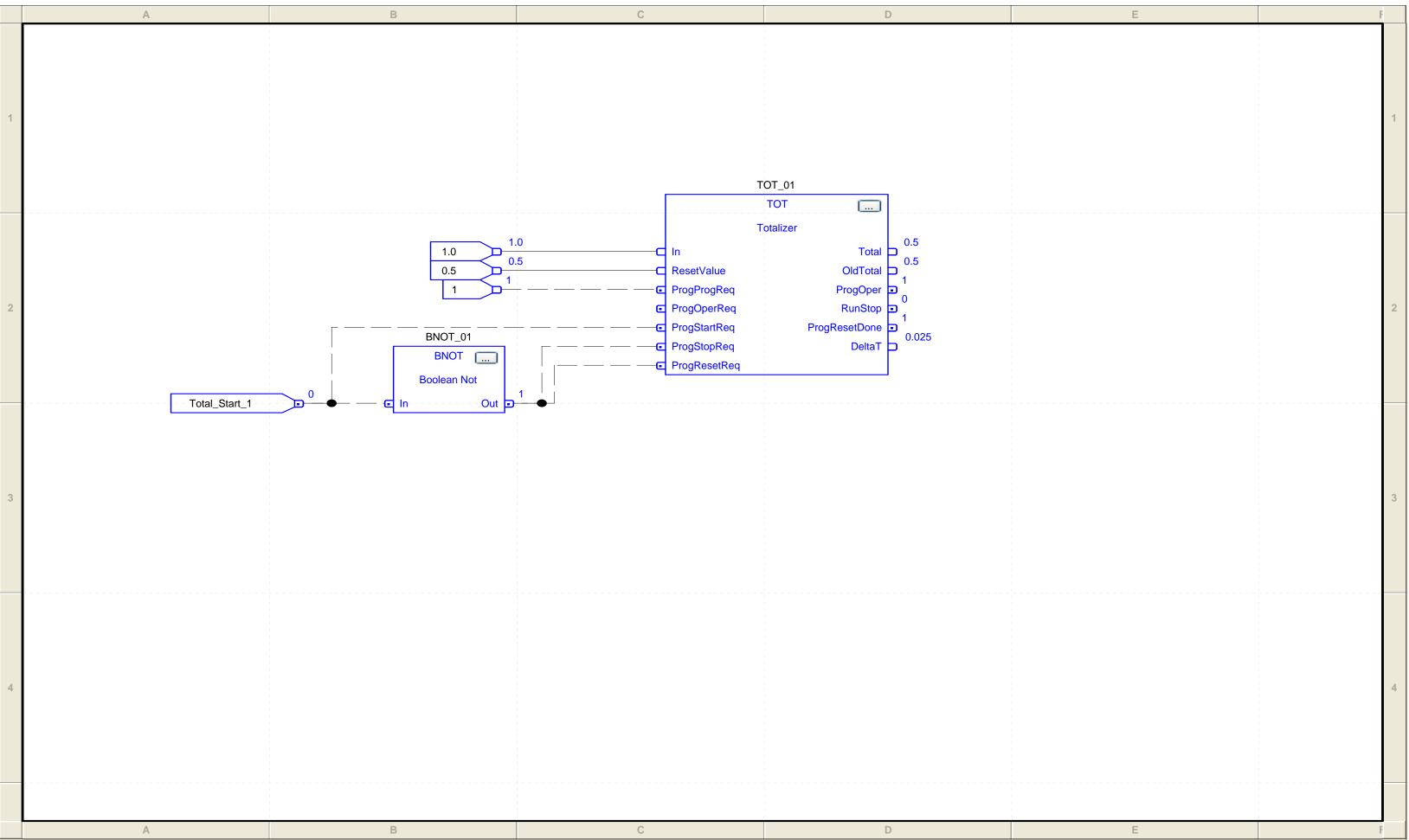
PLC IO Test IO Buffer Main Routine 0 _[NOP]_ Jump To Subroutine
Routine Name R010_Discrete_IO (End)





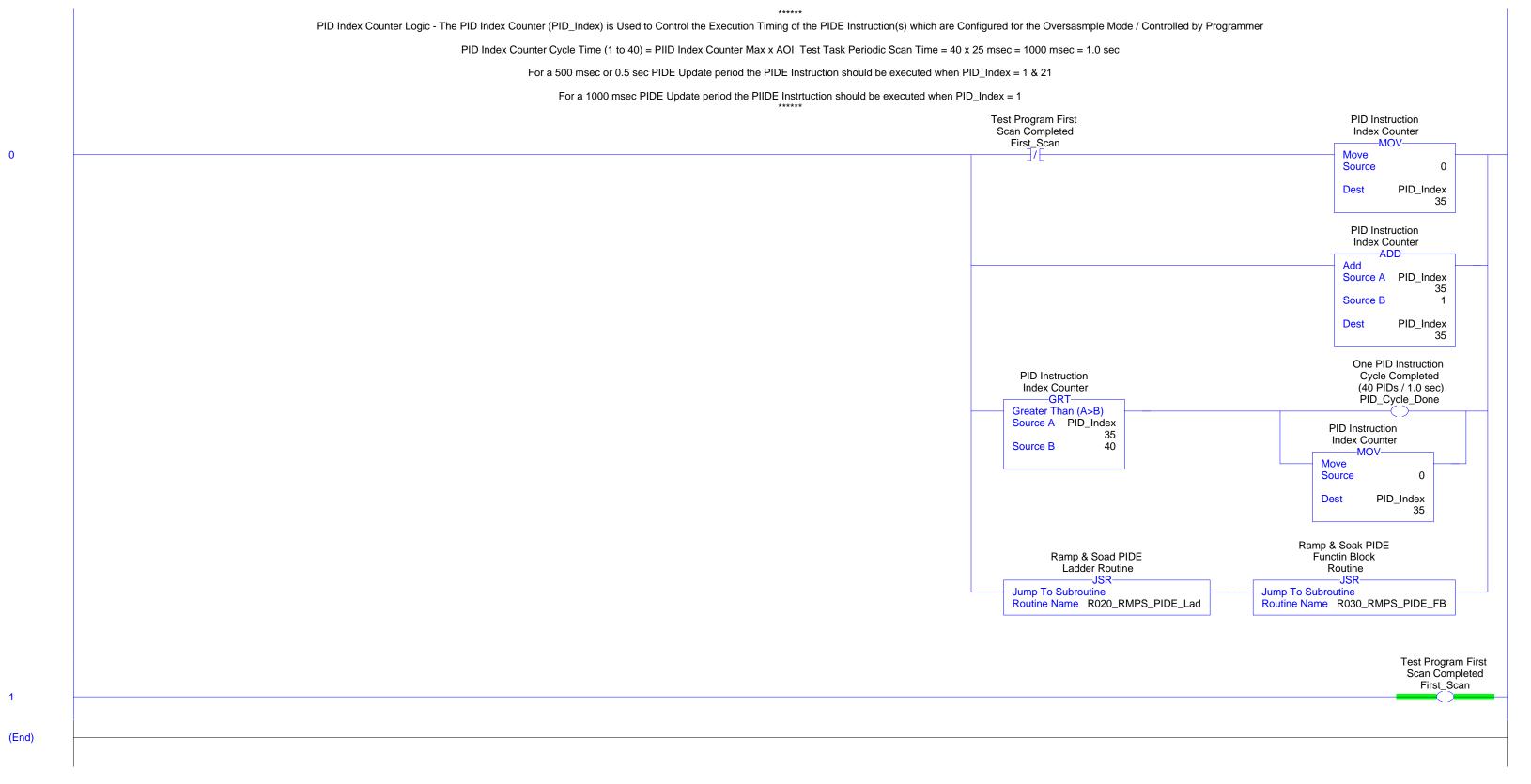
1 of 1 total sheets in routine

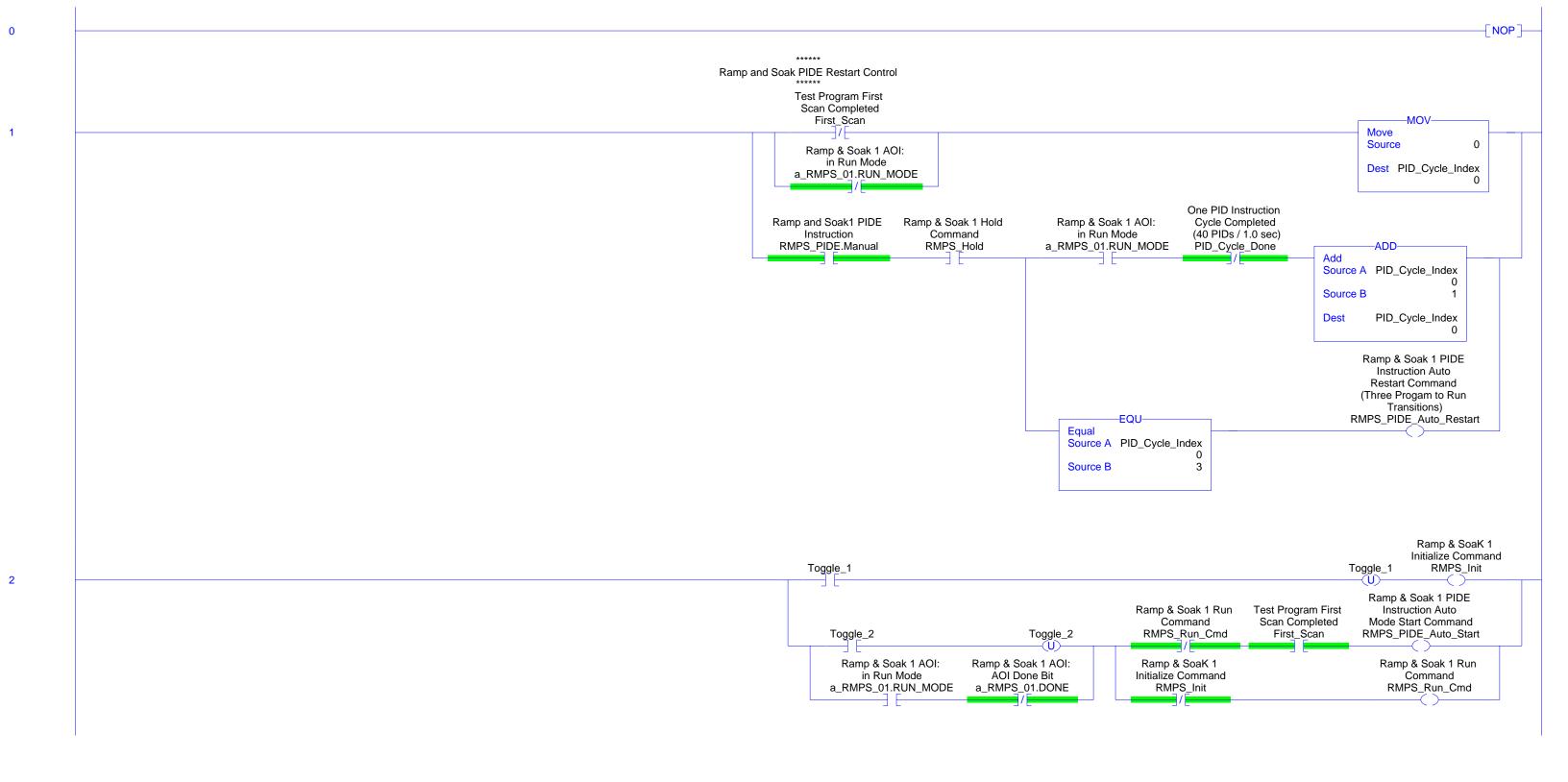
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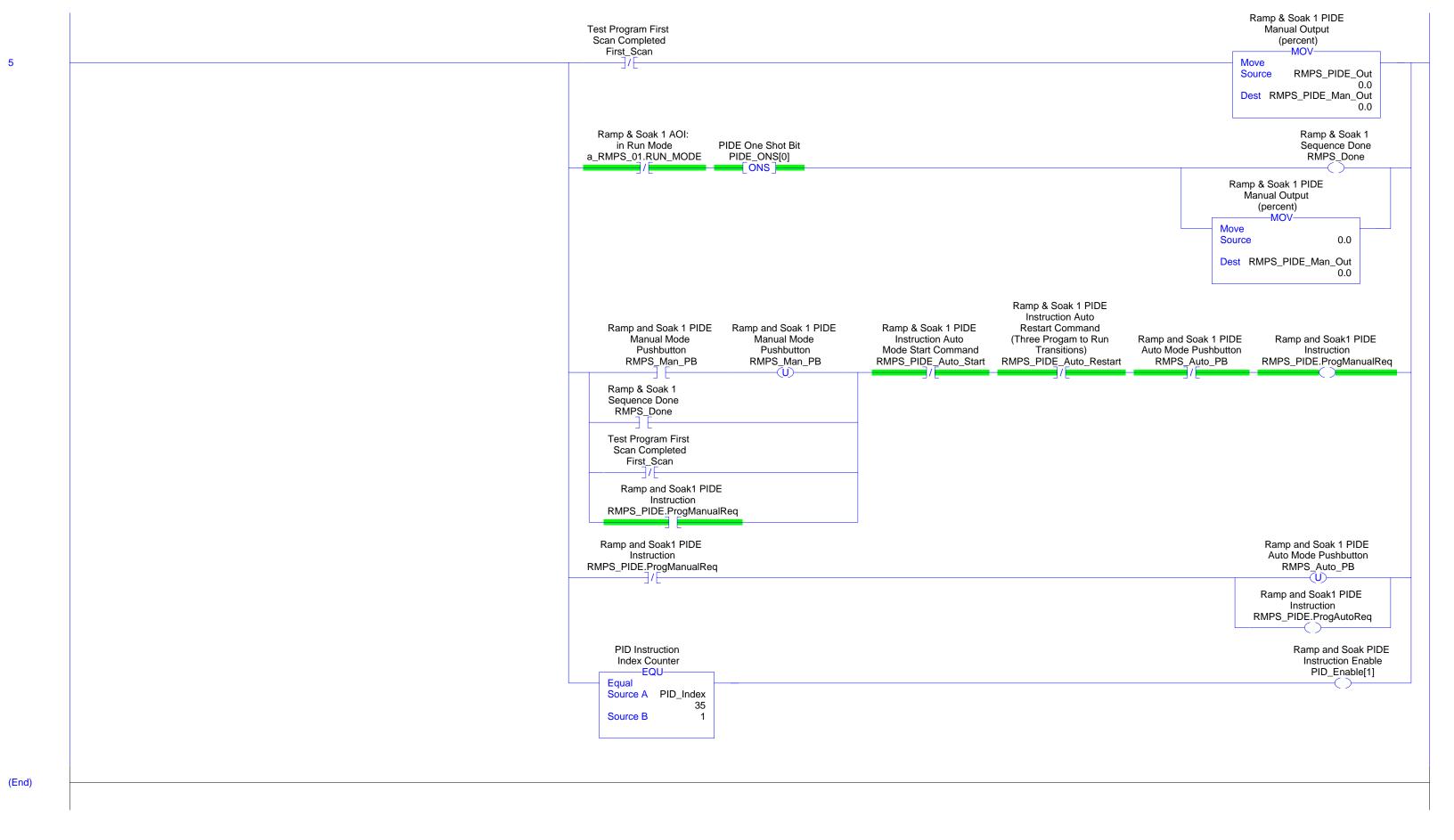
Total number of rungs in routine: 2

C:\RSLogix 5000\Projects\Bench Test\Random_AOI_Test_01042020.ACD

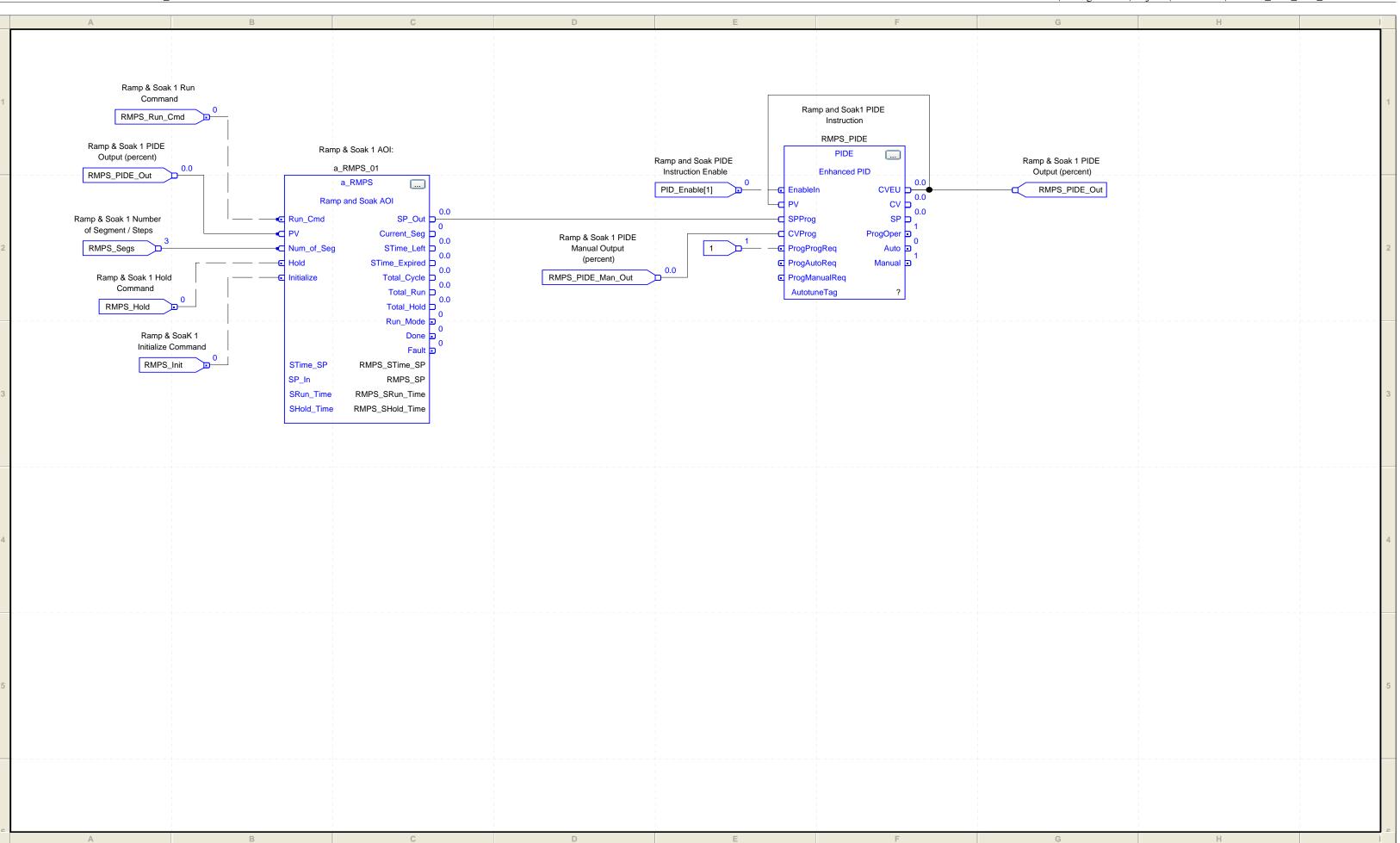






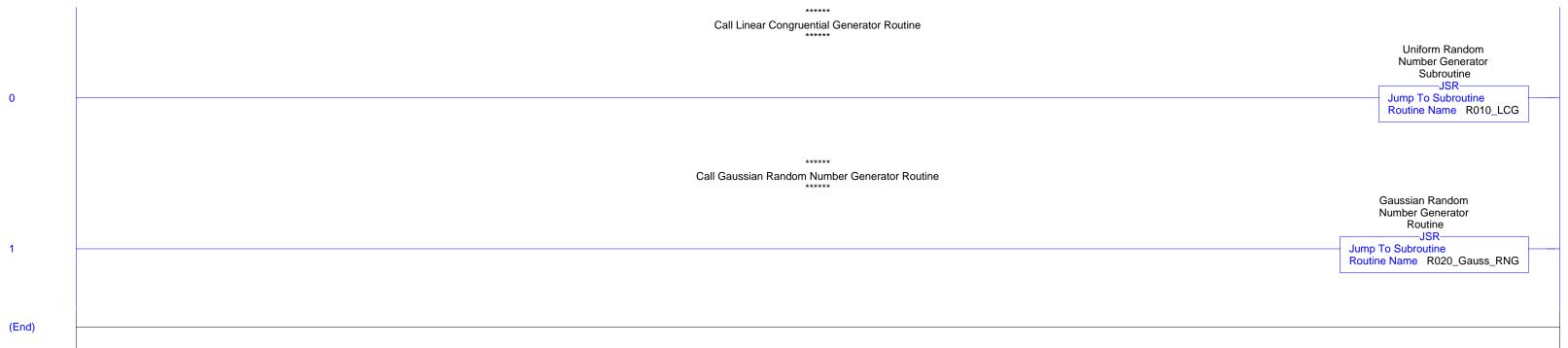


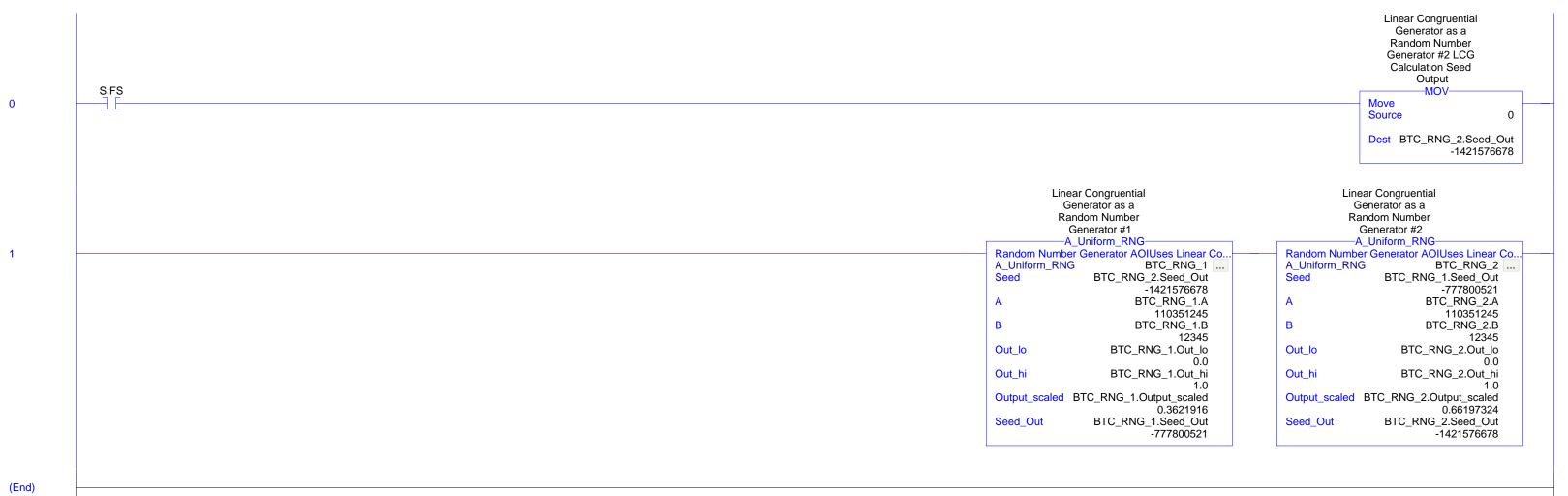
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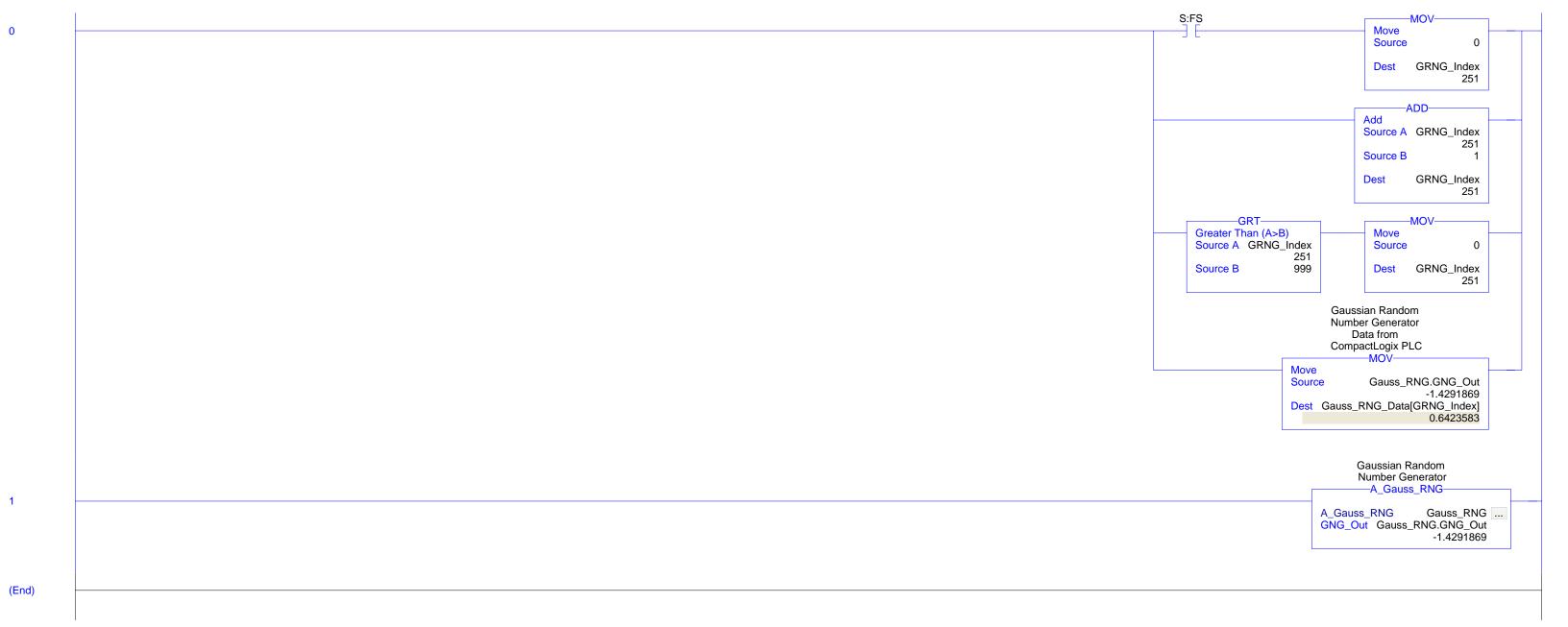
R001_Main - Ladder Diagram **Page 58** 1/4/2020 9:28:28 PM Compact_AOI_Test:AOI_Test:P02_Random
Total number of rungs in routine: 2

C:\RSLogix 5000\Projects\Bench Test\Random_AOI_Test_01042020.ACD





Compact_AOI_Test:AOI_Test:P02_Random
Total number of rungs in routine: 2 C:\RSLogix 5000\Projects\Bench Test\Random_AOI_Test_01042020.ACD

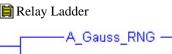


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1/4/2020 9:28:31 PM
C:\RSLogix 5000\Projects\Bench Test\Random_AOI_Test_01042020.ACD

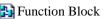
Signature Listing



Available Languages









Structured Text

A_Gauss_RNG(GNG_Out);

Parameters

Required	Name	Data Type	Usage	Description
X	A_Gauss_RNG	A_Gauss_RNG	InOut	
	EnableIn	BOOL	Input	
	EnableOut	BOOL	Output	
X	GNG_Out	REAL	Output	Gaussian-Distributed Random Number

Extended Description

Condition Description

EnableIn is true

Execution

Revision v1.0 Notes

A_Gauss_RNG Instruction Definition - Parameter Listing
Compact_AOI_Test:Add-On Instructions:A_Gauss_RNG
Data Type Size: 104 byte (s)
Data Context: A_Gauss_RNG <definition>

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Name	Default	Data Type	Scope
GNG_Out	0.0	REAL	A_Gauss_RNG
Gaussian-Distributed Random Number			
Usage:	Output Parameter		

Usage: Required: Visible: Yes Yes Read Only

External Access: GNG_Out - A_Gauss_RNG/Logic - *5(MUL) Data Context: A_Gauss_RNG <definition>

C:\RSLogix 5000\Projects\Bench Test\Random_AOI_Test_01042020.ACD

Scope A Uniform RNG A Gauss RNG A URNG Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed via LCG 4) Step #4 = Scale Seed to output range [Out lo:out hi] Local Tag External Access: None A_URNG - A_Gauss_RNG/Logic - *1(A_Uniform_RNG) A URNG.EnableIn Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed via LCG 4) Step #4 = Scale Seed to output range [Out_lo:out_hi) Enable Input - System Defined Parameter A URNG.EnableOut Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed via LCG 4) Step #4 = Scale Seed to output range [Out lo:out hi) Enable Output - System Defined Parameter A URNG.Seed DINT Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed via LCG 4) Step #4 = Scale Seed to output range [Out lo:out hi) LCG input seed; updated after each execution A URNG.A DINT Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed to output range [Out lo:out hi) LCG multiplicative parameter A in (Seed(n+1) = Seed(n) * A + C) MOD Modulus; default is from glibc implementation A URNG.A - A Gauss RNG/Logic - 1(A Uniform RNG) 12345 A URNG.B Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed to output range [Out lo:out hi) LCG additive parameter A in Seed(n+1) = (Seed(n) * A + C) MOD Modulus; default PJC/BTC/WA value A_URNG.B - A_Gauss_RNG/Logic - 1(A_Uniform_RNG) A URNG.Out lo **REAL** Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed via LCG 4) Step #4 = Scale Seed to output range [Out_lo:out_hi) Output value when updated seed is 0 A URNG.Out lo - A Gauss RNG/Logic - 1(A Uniform RNG) A URNG.Out hi 1.0 **REAL** Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed to output range [Out_lo:out_hi) Output value for an updated seed of 2**31 (theoretical) A_URNG.Out_hi - A_Gauss_RNG/Logic - 1(A_Uniform_RNG) A URNG.Output scaled Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed via LCG 4) Step #4 = Scale Seed to output range [Out_lo:out_hi) Actual output value at each execution A_URNG.Output_scaled - A_Gauss_RNG/Logic - *1(A_Uniform_RNG), 2(LN) A URNG.Seed Out Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed via LCG 4) Step #4 = Scale Seed to output range [Out_lo:out_hi) LCG Calculation Seed Output A_URNG.Seed_Out - A_Gauss_RNG/Logic - 1(A_Uniform_RNG) AOI FS 0 **BOOL** A Gauss RNG Gaussian Random Number Generator First Execution Done Local Tag Usage: **External Access:** None AOI FS - A Gauss RNG/Logic - *6(OTE), 0(XIO), 1(XIO), 2(XIO), 3(XIO), 4(XIC), 6(XIO) A Uniform RNG A Gauss RNG **B** URNG Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed via LCG 4) Step #4 = Scale Seed to output range [Out lo:out hi] Usage: Local Tag External Access: None B URNG - A Gauss RNG/Logic - *1(A Uniform RNG) **BOOL** B URNG.EnableIn Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed via LCG 4) Step #4 = Scale Seed to output range [Out_lo:out_hi) Enable Input - System Defined Parameter **B** URNG.EnableOut **BOOL** Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed via LCG 4) Step #4 = Scale Seed to output range [Out_lo:out_hi) Enable Output - System Defined Parameter B URNG.Seed Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed to output range [Out_lo:out_hi) LCG input seed; updated after each execution **B URNG.A** Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed to output range [Out_lo:out_hi) LCG multiplicative parameter A in (Seed(n+1) = Seed(n) * A + C) MOD Modulus; default is from glibc implementation B_URNG.A - A_Gauss_RNG/Logic - 1(A_Uniform_RNG) 12345 DINT **B URNG.B** Random Number Generator AOI Uses Linear Congruential Generator (LCG) 1) Get Seed Number from either previous execution or default 2) Generate next Seed to output range [Out lo:out hi) LCG additive parameter A in Seed(n+1) = (Seed(n) * A + C) MOD Modulus; default PJC/BTC/WA value

REAL

B_URNG.B - A_Gauss_RNG/Logic - 1(A_Uniform_RNG)

0.0

B URNG.Out lo

RSLogix 5000

Trig Term Usage:

External Access:

Oata Context: A_Gauss_RNG <definition>

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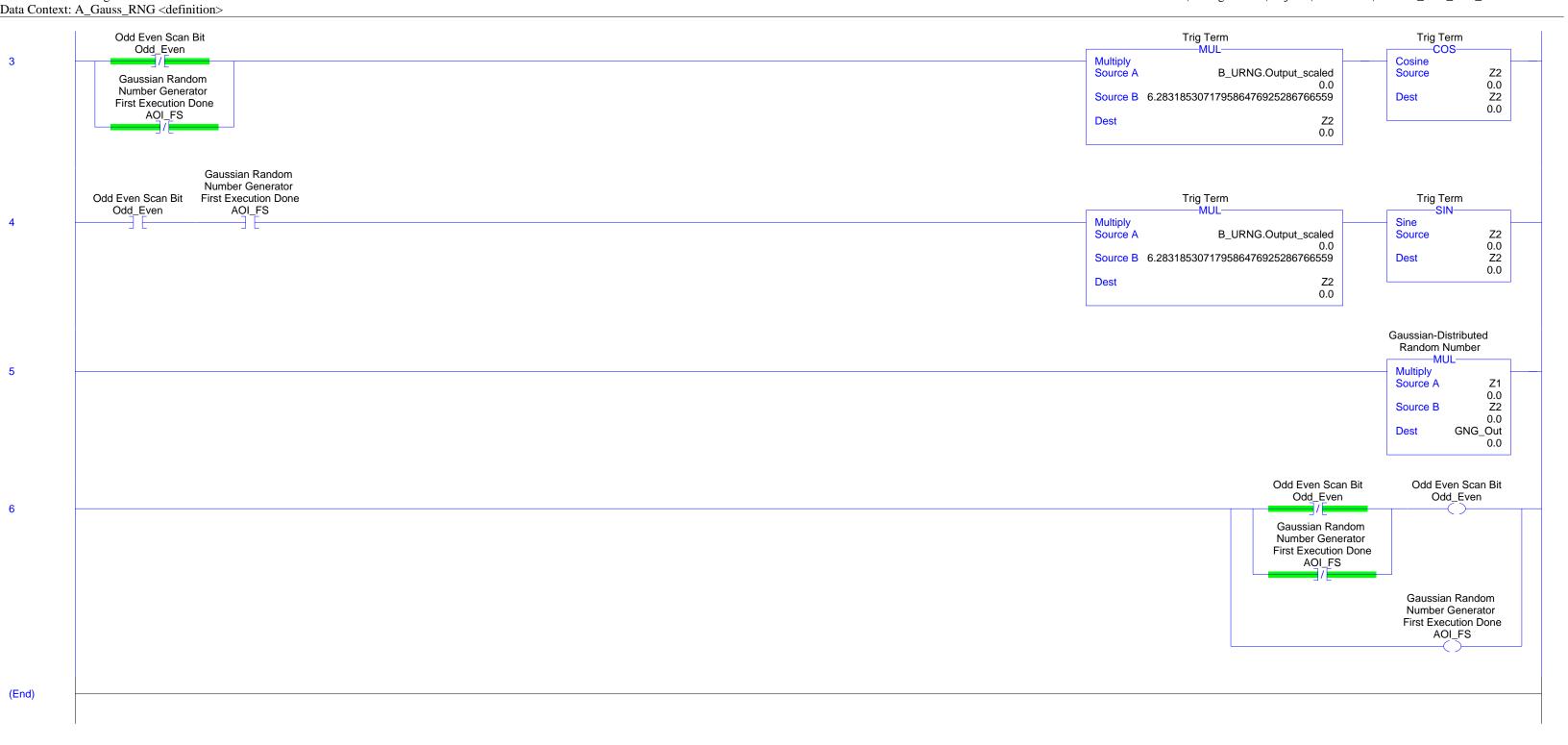
Random Number Generator AOI Uses Linear Congrub B_URNG.Out_lo - A_Gauss_RNG/Logic - I(A_Unifo		evious execution or default 2) Generate next Seed via LCG 4) Step #4 = Scale Seed to	output range [Out_lo:out_hi) Output value when updated seed is 0
B_URNG.Out_hi	1.0	REAL	
			output range [Out_lo:out_hi) Output value for an updated seed of 2**31 (theoretical)
B_URNG.Out_hi - A_Gauss_RNG/Logic - 1(A_Unifo		vious execution of default 2) deficiate flext seed via LeG +) step #+ = seale seed to	output range [Out_10.out_11] Output value for all updated seed of 2 31 (dicoretical)
B_URNG.Output_scaled	0.0	REAL	
		evious execution or default 2) Generate next Seed via LCG 4) Step #4 = Scale Seed to	output range [Out_lo:out_hi]) Actual output value at each execution
B_URNG.Output_scaled - A_Gauss_RNG/Logic - *1	· , , ,	, , , , , , , , , , , , , , , , , , ,	
B URNG.Seed Out	0	DINT	
		vious execution or default 2) Generate next Seed via LCG 4) Step #4 = Scale Seed to	output range [Out_lo:out_hi) LCG Calculation Seed Output
Odd_Even	0	BOOL	A_Gauss_RNG
Odd Even Scan Bit			
Usage:	Local Tag		
External Access:	None		
Odd_Even - A_Gauss_RNG/Logic - *6(OTE), 1(XIO)), 2(XIO), 3(XIO), 4(XIC), 6(XIO)		
Seed_A	0	DINT	A_Gauss_RNG
Usage:	Local Tag		
External Access:	None		
Seed_A - A_Gauss_RNG/Logic - *1(A_Uniform_RNC	\widetilde{G})		
Seed_B	0	DINT	A_Gauss_RNG
Usage:	Local Tag		
External Access:	None		
Seed_B - A_Gauss_RNG/Logic - *1(A_Uniform_RNC	\widetilde{g})		
Z1	0.0	REAL	A_Gauss_RNG
SQR Term	T 170		
Usage:	Local Tag None		
External Access:	- 19		
Z1 - A_Gauss_RNG/Logic - *2(LN), *2(MUL), *2(SQ	JK), 2(MUL), 2(SQK), 3(MUL)		
Z 2	0.0	REAL	A_Gauss_RNG

Local Tag

None

Z2 - A_Gauss_RNG/Logic - *3(COS), *3(MUL), *4(MUL), *4(SIN), 3(COS), 4(SIN), 5(MUL)

 $C:\label{logicond} C:\label{logicond} C:\label{lo$



a_RMPS v1.0

Ramp and Soak AOI

Available Languages

```
📋 Relay Ladder
   a_RMPS —
Ramp and Soak AOI
   a_RMPS
                            ? ... - (Run_Mode)
   Run_Cmd
                                   -(Done)
                           ??
?
                                   -(Fault)
   PV
                           ??
   Num_of_Seg
                           ??
   Hold
   Initialize
SP_Out
Current_Seg
STime_Left
   STime_Expired Total_Cycle
   Total_Run
   Total_Hold
STime_SP
   SP_In
   SRun_Time
   SHold_Time
```

🛂 Function Block

•	a_RMPS		
	Ramp ar	nd Soak AOI	
Œ	Run_Cmd	SP_Out	Þ
	PV	Current_Seg	Þ
•	Num_of_Seg	STime_Left	Þ
คดกกิด	Hold	STime_Expired	Þ
•	Initialize	Total_Cycle	Þ
		Total_Run	b
		Total_Hold	Ь
		Run Mode	•
		Done	9 9 6
		Fault	•
	STime SP	?	
	SP In		1
	SRun Time	?	1
	SHold_Time	? ? ?	
	1 - 17 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1		

Structured Text

a_RMPS(Run_Cmd, PV, Num_of_Seg, STime_SP, SP_In, SRun_Time, SHold_Time);

Parameters

Required	Name	Data Type	Usage	Description
X	a_RMPS	a_RMPS	InOut	Ramp and Soak AOI
	EnableIn	BOOL	Input	
	EnableOut	BOOL	Output	
X	Run_Cmd	BOOL	Input	AOI Run Cmd
X	PV	REAL	Input	Scaled Analog Input (Real) to the AOI

ζ	Num_of_Seg	INT	Input	Number of Segments (Maximum = 10)
	Hold	BOOL	Input	AOI Hold Cmd
	Initialize	BOOL	Input	Initialize AOI Cmd (Reset Segment to 0)
	SP_Out	REAL	Output	Setpoint Output (psig, deg F)
	Current_Seg	INT	Output	Current Segment
	STime_Left	REAL	Output	Current Segment Remaining Time (min)
	STime_Expired	REAL	Output	Current Segment Time Expired
	Total_Cycle	REAL	Output	Total Cycle Time (minutes)
	Total_Run	REAL	Output	Total Run Time (minutes)
	Total_Hold	REAL	Output	Total Hold Time (minutes)
	Cycle_Hour	DINT	Output	Total Cycle Time Hours
	Cycle_Min	REAL	Output	Total Cycle Time Minutes
	Run_Mode	BOOL	Output	AOI in Run Mode
	Done	BOOL	Output	AOI Done Bit
	Fault	BOOL	Output	AOI Faulted / Invalid Data
ζ	STime_SP	REAL	InOut	Segment Timer Preset Array (minutes)
Κ	SP_In	REAL	InOut	Segment Setpoint Array (psig, deg F)
Κ	SRun_Time	REAL	InOut	Segment Run Time Array (minutes)
Κ	SHold_Time	REAL	InOut	Segment Hold Time Array (minutes)

Extended Description

Execution

Condition EnableIn is true Description

Revision v1.0 Notes

Note: Input Arrays are Real[10] so the maximum number of segments is 10

a_RMPS Instruction Definition - Parameter Listing
Compact_AOI_Test:Add-On Instructions:a_RMPS
Data Type Size: 352 byte (s)
Data Context: a_RMPS <definition>

Name	Default	Data Tyma	Canno
Current_Seg	Default ()	Data Type INT	Scope a_RMPS
	U	IIVI	a_RiviP3
Current Segment	Output Parameter		
Usage: Required:	No		
Visible:	Yes		
External Access:	None		
		OV) *9/MOV) *0/MOV)	
Current_Seg - a_RMPS/Logic - *10(MOV), *11(MOV), *12(MOV), "15(MOV), "14(MOV), "15(MOV), "4(MOV), "0(MOV), "/(MC	$\mathcal{F}(\mathcal{F})$, " $\mathcal{F}(\mathcal{F})$, " $\mathcal{F}(\mathcal{F})$	
Cycle_Hour	0	DINT	a_RMPS
Total Cycle Time Hours	0	DINI	a_Kivii S
Usage:	Output Parameter		
Required:	No		
Visible:	No		
External Access:	Read Only		
Cycle_Hour - a_RMPS/Logic - *20(CPT)	Read Only		
Cycle_110u1 - u_Kin1 5/Logic - 20(C1 1)			
Cycle_Min	0.0	REAL	a_RMPS
Total Cycle Time Minutes	0.0	KE/AL	u_Kini b
Usage:	Output Parameter		
Required:	No		
Visible:	No		
External Access:	Read Only		
Cycle_Min - a_RMPS/Logic - *20(MOD), 20(CPT)	Read Only		
Done	0	BOOL	a_RMPS
AOI Done Bit	O .	BOOL	u_Kini b
Usage:	Output Parameter		
Required:	No		
Visible:	Yes		
External Access:	Read Only		
Done - a_RMPS/Logic - *17(OTE), 1(XIC), 10(XIO), 11(XIO), 12			
Bone w_Min 5/208te 17(012), 1(MO), 10(MO), 11(MO), 12	(MO), 13(MO), 17(MO), 13(MO), 7(MO), 7(MO), 5(MO),	,	
Fault	0	BOOL	a_RMPS
AOI Faulted / Invalid Data	O .	BOOL	u_Rani b
Usage:	Output Parameter		
Required:	No		
Visible:	Yes		
External Access:	Read Only		
Fault - a_RMPS/Logic - *3(OTE), 5(XIO)			
Hold	0	BOOL	a_RMPS
AOI Hold Cmd			
Usage:	Input Parameter		
Required:	No		
Visible:	Yes		
External Access:	Read/Write		
Hold - a_RMPS/Logic - 10(XIO), 11(XIO), 12(XIO), 13(XIO), 14(
Initialize	0	BOOL	a_RMPS
Initialize AOI Cmd (Reset Segment to 0)			-
Usage:	Input Parameter		
Required:	No		
Visible:	Yes		
External Access:	Read/Write		
Initialize - a_RMPS/Logic - 1(XIC), 4(XIC)			
Num_of_Seg	0	INT	a_RMPS
Number of Segments (Maximum = 10)			
Usage:	Input Parameter		
Required:	Yes		
Visible:	Yes		
External Access:	None		
			RSLogix 5000
			Tubelogia 5000

a_RMPS

Compact_AOI_Test:Add-On Instructions:a_RMPS
Data Type Size: 352 byte (s)
Data Context: a_RMPS <definition>

Num_of_Seg (Continued) Num_of_Seg - a_RMPS/Logic - 17(LIM), 17(MOV), 3(GRT), 3(LES)

AOI Run Cmd

Run_Cmd

0

AOI Kuli Ciliu	T ID		
Usage:	Input Parameter		
Required:	Yes		
Visible:	Yes		
External Access:	Read/Write		
	Read/ Witte		
Run_Cmd - a_RMPS/Logic - 1(XIC), 1(XIO), 4(XIO)			
D 14.1		DOOL	D) mg
Run_Mode	0	BOOL	a_RMPS
AOI in Run Mode			
Usage:	Output Parameter		
Required:	No		
Visible:	Yes		
External Access:	Read Only		
Run_Mode - a_RMPS/Logic - *1(OTL), *1(OTU), 1(XIC), 1(XI	(O), $18(XIC)$, $S(XIC)$		
SHold_Time		REAL[11]	a_RMPS
Segment Hold Time Array (minutes)			
Usage:	InOut Parameter		
Required:	Yes		
Visible:			
	Yes		
Constant	No		
SHold_Time - a_RMPS/Logic - *4(FLL)			
SHold_Time[0]	??	REAL	
Step 0 Hold Time = 0 min			
SHold_Time[1]	??	REAL	
Step 1 Hold Time (min)	••	REALE	
SHold_Time[1] - a_RMPS/Logic - *18(DIV), 19(MOV)	99	DEAL	
SHold_Time[2]	??	REAL	
Step 2 Hold Time (min)			
SHold_Time[2] - a_RMPS/Logic - *18(DIV), 19(ADD)			
SHold_Time[3]	??	REAL	
Step 3 Hold Time (min)	•		
SHold_Time[3] - a_RMPS/Logic - *18(DIV), 19(ADD)			
	99	DEAL	
SHold_Time[4]	??	REAL	
Step 4 Hold Time (min)			
SHold_Time[4] - a_RMPS/Logic - *18(DIV), 19(ADD)			
SHold_Time[5]	??	REAL	
Step 5 Hold Time (min)			
SHold_Time[5] - a_RMPS/Logic - *18(DIV), 19(ADD)			
SHold_Time[6]	??	REAL	
Step 6 Hold Time (min)	••	KL/AL	
SHold_Time[6] - a_RMPS/Logic - *18(DIV), 19(ADD)		77.7	
SHold_Time[7]	??	REAL	
Step 7 Hold Time (min)			
SHold_Time[7] - a_RMPS/Logic - *18(DIV), 19(ADD)			
SHold_Time[8]	??	REAL	
Step 8 Hold Time (min)			
SHold_Time[8] - a_RMPS/Logic - *18(DIV), 19(ADD)			
SHold_Time[9]	??	REAL	
	!!	KEAL	
Step 9 Hold Time (min)			
$SHold_Time[9]$ - $a_RMPS/Logic$ - $*18(DIV)$, $19(ADD)$			
SHold_Time[10]	??	REAL	
Step 10 Hold Time (min)			
SHold_Time[10] - a_RMPS/Logic - *18(DIV), 19(ADD)			
SP_In		REAL[11]	a_RMPS
Segment Setpoint Array (psig, deg F)		KL/IL[11]	a_ixivii 5
	In Out Donomaton		
Usage:	InOut Parameter		
Required:	Yes		

BOOL

Data Context: a_RMPS <definition></definition>		
SP_In (Continued)		
Visible:	Yes	
Constant	No	
SP_In[0]	??	REAL
Step 0 / Start SP		
SP_In[0] - a_RMPS/Logic - 15(CPT)	00	DEAL
SP_In[1] End of Step 1 SP	??	REAL
SP_In[1] - a _RMPS/Logic - 14 (CPT), 15 (CPT)		
SP_In[2]	??	REAL
End of Step 2 SP	••	
SP_In[2] - a_RMPS/Logic - 13(CPT), 14(CPT)		
SP_In[3]	??	REAL
End of Step 3 SP		
SP_In[3] - a_RMPS/Logic - 12(CPT), 13(CPT)		
SP_In[4]	??	REAL
End of Step 4 SP SP_In[4] - a_RMPS/Logic - 11(CPT), 12(CPT)		
SP_In[5]	??	REAL
End of Step 5 SP	••	
SP_In[5] - a_RMPS/Logic - 10(CPT), 11(CPT)		
SP_In[6]	??	REAL
End of Step 6 SP		
SP_In[6] - a_RMPS/Logic - 10(CPT), 9(CPT)		
SP_In[7]	??	REAL
End of Step 7 SP		
SP_In[7] - a_RMPS/Logic - 8(CPT), 9(CPT) SP_In[8]	??	REAL
End of Step 8 SP	••	KLAL
SP_In[8] - a_RMPS/Logic - 7(CPT), 8(CPT)		
SP_In[9]	??	REAL
End of Step 9 SP		
SP_In[9] - a_RMPS/Logic - 6(CPT), 7(CPT)		
SP_In[10]	??	REAL
End of Step 10 SP SP_In[10] - a_RMPS/Logic - 6(CPT)		
SF_IN[10] - U_KMFS/L0gic - 0(CF1)		
SP_Out	0.0	REAL
Setpoint Output (psig, deg F)		
Usage:	Output Parameter	
Required:	No	
Visible:	Yes	
External Access: SP. Out. a PMPS/Logic *10(CPT) *11(CPT) *12(CPT) *13(C	Read/Write PT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT)	
51 _0m - u_iani 5/Logic - 10(Ci 1), 11(Ci 1), 12(Ci 1), 15(C.	11), 17(O(1), 10(O(1), 7(MOV), 0(O(1), 7(O(1), 0(O(1), 7(O(1))	
SRun_Time		REAL[11]
Segment Run Time Array (minutes)		
Usage:	InOut Parameter	
Required:	Yes	
Visible:	Yes	
Constant SRun_Time - a_RMPS/Logic - *4(FLL)	No	
SRun_Time[0]	??	REAL
Step 0 Run Time = 0 min	••	KL/ IL
SRun_Time[1]	??	REAL
Step 1 Run Time (min)		
SRun_Time[1] - a_RMPS/Logic - *15(DIV), 16(MOV)		
SRun_Time[2]	??	REAL
Step 2 Run Time (min)		
SRun_Time[2] - a_RMPS/Logic - *14(DIV), 16(ADD) SRun_Time[3]	??	REAL
SRun_Time[3] Step 3 Run Time (min)	::	NLAL
SRun_Time[3] - a_RMPS/Logic - *13(DIV), 16(ADD)		
510m_1 mo[0] a_1011 5/2080 15(D11), 10(11DD)		

a_RMPS

a_RMPS

SRun_Time (Continued)			
SRun_Time[4]	??	REAL	
Step 4 Run Time (min)			
$SRun_Time[4]$ - $a_RMPS/Logic$ - $*12(DIV)$, $16(ADD)$			
SRun_Time[5]	??	REAL	
Step 5 Run Time (min)			
SRun_Time[5] - a_RMPS/Logic - *11(DIV), 16(ADD)			
SRun_Time[6]	??	REAL	
Step 6 Run Time (min)	••		
SRun_Time[6] - a_RMPS/Logic - *10(DIV), 16(ADD)			
SRun_Time[0] - u_KWI S/Logic - 10(DIV), 10(ADD) SRun_Time[7]	??	REAL	
		KEAL	
Step 7 Run Time (min)			
SRun_Time[7] - a_RMPS/Logic - *9(DIV), 16(ADD)	00	DELL	
SRun_Time[8]	??	REAL	
Step 8 Run Time (min)			
$SRun_Time[8] - a_RMPS/Logic - *8(DIV), 16(ADD)$			
SRun_Time[9]	??	REAL	
Step 9 Run Time (min)			
$SRun_Time[9]$ - $a_RMPS/Logic$ - $*7(DIV)$, $16(ADD)$			
SRun_Time[10]	??	REAL	
Step 10 Run Time (min)			
SRun_Time[10] - a_RMPS/Logic - *6(DIV), 16(ADD)			
STime_Expired	0.0	REAL	a_RMPS
Current Segment Time Expired			——————————————————————————————————————
Usage:	Output Parameter		
Required:	No		
Visible:	Yes		
External Access:	Read Only		

STune_Expurea - a_KMT 5/Logic - \(\cdot \)(Cl 1), \(\cdot \)11(Cl 1),	(-13(C11), -14(C11), -13(C11), -4(MOV), -0(C11), -7(C11), -0(C11), -9(C11)		
STime_Left	0.0	REAL	a_RMPS
STIME_Left	0.0	REAL	a_KMI 5
Current Segment Permaining Time (min)			
Current Segment Remaining Time (min)	Output Dogonactor		
Usage:	Output Parameter		
Usage: Required:	No		
Usage: Required: Visible:	No Yes		
Usage: Required: Visible: External Access:	No Yes Read Only		
Usage: Required: Visible: External Access:	No Yes		
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1.	No Yes Read Only	DEAL (11)	D) (D)
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP	No Yes Read Only	REAL[11]	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes)	No Yes Read Only 8(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT)	REAL[11]	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage:	No Yes	REAL[11]	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required:	No Yes Read Only 8(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes	REAL[11]	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible:	No Yes Read Only 8(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes	REAL[11]	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant	No Yes Read Only 8(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes	REAL[11]	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible:	No Yes Read Only 8(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes	REAL[11]	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant	No Yes Read Only 8(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes	REAL[11]	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC)	No Yes Read Only 8(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No		a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min	No Yes Read Only 3(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No ??	REAL	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min STime_SP[1]	No Yes Read Only 8(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No		a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min STime_SP[1] Step 1 Time (min)	No Yes Read Only 3(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No ??	REAL	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min STime_SP[1] Step 1 Time (min) STime_SP[1] - a_RMPS/Logic - 5(CPT)	No Yes Read Only 3(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No ?? ??	REAL REAL	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min STime_SP[1] Step 1 Time (min) STime_SP[1] - a_RMPS/Logic - 5(CPT) STime_SP[2]	No Yes Read Only 3(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No ??	REAL	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min STime_SP[1] Step 1 Time (min) STime_SP[1] - a_RMPS/Logic - 5(CPT) STime_SP[2] Step 2 Time (min)	No Yes Read Only 3(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No ?? ??	REAL REAL	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min STime_SP[1] Step 1 Time (min) STime_SP[1] - a_RMPS/Logic - 5(CPT) STime_SP[2] Step 2 Time (min) STime_SP[2] - a_RMPS/Logic - 5(CPT)	No Yes Read Only 3(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No ?? ??	REAL REAL REAL	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min STime_SP[1] Step 1 Time (min) STime_SP[1] - a_RMPS/Logic - 5(CPT) STime_SP[2] Step 2 Time (min) STime_SP[2] - a_RMPS/Logic - 5(CPT) STime_SP[3]	No Yes Read Only 3(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No ?? ??	REAL REAL	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min STime_SP[1] Step 1 Time (min) STime_SP[1] - a_RMPS/Logic - 5(CPT) STime_SP[2] Step 2 Time (min) STime_SP[2] - a_RMPS/Logic - 5(CPT) STime_SP[3] Step 3 Time (min)	No Yes Read Only 3(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No ?? ??	REAL REAL REAL	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min STime_SP[1] - a_RMPS/Logic - 5(CPT) STime_SP[2] Step 2 Time (min) STime_SP[2] - a_RMPS/Logic - 5(CPT) STime_SP[3] Step 3 Time (min) STime_SP[3] - a_RMPS/Logic - 5(CPT)	No Yes Read Only 3(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No ?? ?? ??	REAL REAL REAL REAL	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min STime_SP[1] Step 1 Time (min) STime_SP[1] - a_RMPS/Logic - 5(CPT) STime_SP[2] Step 2 Time (min) STime_SP[2] - a_RMPS/Logic - 5(CPT) STime_SP[3] Step 3 Time (min) STime_SP[3] - a_RMPS/Logic - 5(CPT) STime_SP[3] - a_RMPS/Logic - 5(CPT) STime_SP[3] - a_RMPS/Logic - 5(CPT)	No Yes Read Only 3(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No ?? ??	REAL REAL REAL	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min STime_SP[1] Step 1 Time (min) STime_SP[1] - a_RMPS/Logic - 5(CPT) STime_SP[2] Step 2 Time (min) STime_SP[2] - a_RMPS/Logic - 5(CPT) STime_SP[3] Step 3 Time (min) STime_SP[3] - a_RMPS/Logic - 5(CPT) STime_SP[4] Step 4 Time (min)	No Yes Read Only 3(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No ?? ?? ??	REAL REAL REAL REAL	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min STime_SP[1] Step 1 Time (min) STime_SP[1] - a_RMPS/Logic - 5(CPT) STime_SP[2] Step 2 Time (min) STime_SP[2] - a_RMPS/Logic - 5(CPT) STime_SP[3] Step 3 Time (min) STime_SP[3] - a_RMPS/Logic - 5(CPT) STime_SP[4] Step 4 Time (min) STime_SP[4] - a_RMPS/Logic - 5(CPT)	No Yes Read Only 3(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No ?? ?? ?? ?? ??	REAL REAL REAL REAL REAL	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min STime_SP[1] Step 1 Time (min) STime_SP[1] - a_RMPS/Logic - 5(CPT) STime_SP[2] Step 2 Time (min) STime_SP[2] Step 3 Time (min) STime_SP[3] Step 3 Time (min) STime_SP[3] - a_RMPS/Logic - 5(CPT) STime_SP[4] Step 4 Time (min) STime_SP[4] - a_RMPS/Logic - 5(CPT) STime_SP[4] - a_RMPS/Logic - 5(CPT) STime_SP[4] - a_RMPS/Logic - 5(CPT)	No Yes Read Only 3(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No ?? ?? ??	REAL REAL REAL REAL	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min STime_SP[1] Step 1 Time (min) STime_SP[1] - a_RMPS/Logic - 5(CPT) STime_SP[2] Step 2 Time (min) STime_SP[2] - a_RMPS/Logic - 5(CPT) STime_SP[3] Step 3 Time (min) STime_SP[4] Step 4 Time (min) STime_SP[4] Step 4 Time (min) STime_SP[4] - a_RMPS/Logic - 5(CPT) STime_SP[4] Step 5 Time (min)	No Yes Read Only 3(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No ?? ?? ?? ?? ??	REAL REAL REAL REAL REAL	a_RMPS
Usage: Required: Visible: External Access: STime_Left - a_RMPS/Logic - *10(CPT), *11(CPT), *12(CPT), *1. STime_SP Segment Timer Preset Array (minutes) Usage: Required: Visible: Constant STime_SP - a_RMPS/Logic - 2(FSC) STime_SP[0] Step 0 Time = 0 min STime_SP[1] Step 1 Time (min) STime_SP[1] - a_RMPS/Logic - 5(CPT) STime_SP[2] Step 2 Time (min) STime_SP[2] Step 3 Time (min) STime_SP[3] Step 3 Time (min) STime_SP[3] - a_RMPS/Logic - 5(CPT) STime_SP[4] Step 4 Time (min) STime_SP[4] - a_RMPS/Logic - 5(CPT) STime_SP[4] - a_RMPS/Logic - 5(CPT) STime_SP[4] - a_RMPS/Logic - 5(CPT)	No Yes Read Only 3(CPT), *14(CPT), *15(CPT), *4(MOV), *6(CPT), *7(CPT), *8(CPT), *9(CPT) InOut Parameter Yes Yes No ?? ?? ?? ?? ??	REAL REAL REAL REAL REAL	a_RMPS

a_RMPS Instruction Definition - Parameter Listing **Page 74** 1/4/2020 9:28:32 PM C:\RSLogix 5000\Projects\Bench Test\Random_AOI_Test_01042020.ACD

Compact_AOI_Test:Add-On Instructions:a_RMPS
Data Type Size: 352 byte (s)
Data Context: a_RMPS <definition>

External Access:

Total_Run - a_RMPS/Logic - *16(ADD), *16(MOV), 16(ADD), 20(ADD)

ata Context. a_taxii b (committon)			
CTime CD (Continued)			
STime_SP (Continued)	00	DEAL	
STime_SP[6]	??	REAL	
Step 6 Time (min)			
STime_SP[6] - a_RMPS/Logic - 5(CPT)	00	DEAL	
STime_SP[7]	??	REAL	
Step 7 Time (min)			
$STime_SP[7] - a_RMPS/Logic - 5(CPT)$	00	DEAL	
STime_SP[8]	??	REAL	
Step 8 Time (min)			
$STime_SP[8] - a_RMPS/Logic - 5(CPT)$	00	DEAL	
STime_SP[9]	??	REAL	
Step 9 Time (min)			
STime_SP[9] - a_RMPS/Logic - 5(CPT)	00	DEAL	
STime_SP[10]	??	REAL	
Step 10 Time (min)			
$STime_SP[10]$ - $a_RMPS/Logic$ - $5(CPT)$			
Total_Cycle	0.0	REAL	a_RMPS
Total Cycle Time (minutes)			<u>u_</u> ruvii 2
Usage:	Output Parameter		
Required:	No		
Visible:	Yes		
External Access:	Read Only		
Total_Cycle - a_RMPS/Logic - *20(ADD), 20(CPT), 20(MOD)	110mb 0 mg		
20(1122), 20(011), 20(1102)			
Total_Hold	0.0	REAL	a_RMPS
Total Hold Time (minutes)			
Usage:	Output Parameter		
Required:	No		

Read Only

Name	Default	Data Type	Scope
Cur_Seg	Detauit	BOOL[32]	a_RMPS
Current Segment Boolean Array		2002[62]	<u></u>
Usage:	Local Tag		·
External Access:	None	200	·
Cur_Seg[0]	0	BOOL	·
Segment 0 Active Cur_Seg[0] - a_RMPS/Logic - *15(OTU), *4(((OTII) *5(OTI) 15(YIC)		·
Cur_Seg[0] - a_KMF-5/Logic - *15(010), *4((O10), '5(O1L), 15(A1C) 0	BOOL	·
Segment 1 Active	ř	2002	·
Cur_Seg[1] - a_RMPS/Logic - *14(OTU), *15	5(OTL), *4(OTU), 14(XIC), 15(XIC), 18(XIC)		·
Cur_Seg[2]	0	BOOL	·
Segment 2 Active	(4.0m) \$4.0mi) 13/VIO 14/VIO 10/VIO		·
Cur_Seg[2] - a_RMPS/Logic - *13(OTU), *14 Cur_Seg[3]	4(OTL), *4(OTU), 13(XIC), 14(XIC), 18(XIC) 0	BOOL	·
Segment 3 Active	U	DUOL	·
Cur_Seg[3] - a_RMPS/Logic - *12(OTU), *13	3(OTL). *4(OTU), 12(XIC), 13(XIC), 18(XIC)		·
Cur_Seg[4]	0	BOOL	·
Segment 4 Active			,
Cur_Seg[4] - a_RMPS/Logic - *11(OTU), *12		DOOL	·
Cur_Seg[5]	0	BOOL	·
Segment 5 Active Cur_Seg[5] - a_RMPS/Logic - *10(OTU), *11	1/OTI \ *//OTI\ 10/YIC\ 11/YIC\ 18/YIC\		·
Cur_Seg[6]	0	BOOL	·
Segment 6 Active	ř	2002	·
Cur_Seg[6] - a_RMPS/Logic - *10(OTL), *4(6	(OTU), *9(OTU), 10(XIC), 18(XIC), 9(XIC)		· ·
Cur_Seg[7]	0	BOOL	·
Segment 7 Active	OTT : *0/OTT 10/VIO 0/VIO 0/VIO		·
Cur_Seg[7] - a_RMPS/Logic - *4(OTU), *8(O	OTU), *9(OTL), 18(XIC), 8(XIC), 9(XIC) 0	BOOL	
Cur_Seg[8] Segment 8 Active	U	DOOL	
Cur_Seg[8] - a_RMPS/Logic - *4(OTU), *7(O	OTU), *8(OTL), 18(XIC), 7(XIC), 8(XIC)		
Cur_Seg[9]	0	BOOL	· · · · · · · · · · · · · · · · · · ·
Segment 9 Active	S 2 2 2		
Cur_Seg[9] - a_RMPS/Logic - *4(OTU), *6(O		DOOL	
Cur_Seg[10] Segment 10 Active	0	BOOL	
Cur_Seg[10] - a_RMPS/Logic - *4(OTU), *6((OTL) 18(XIC) 6(XIC)		
Cur_Seg[10] - u_Min 5/Logic - 4(010), of Cur_Seg[11]	0	BOOL	
Current Segment Boolean Array			
Cur_Seg[12]	0	BOOL	
Current Segment Boolean Array	^	DOOL	
Cur_Seg[13]	0	BOOL	
Current Segment Boolean Array Cur_Seg[14]	0	BOOL	
Current Segment Boolean Array	v	DOOL	
Cur_Seg[15]	0	BOOL	
Current Segment Boolean Array			
Cur_Seg[16]	0	BOOL	
Current Segment Boolean Array	0	BOOL	
Cur_Seg[17] Current Segment Boolean Array	0	DUUL	
Cur_Seg[18]	0	BOOL	
Current Segment Boolean Array	-		
Cur_Seg[19]	0	BOOL	
Current Segment Boolean Array	2	200	
Cur_Seg[20]	0	BOOL	
Current Segment Boolean Array Cur_Seg[21]	0	BOOL	
Cur_Seg[21] Current Segment Boolean Array	U	DUOL	
Cur_Seg[22]	0	BOOL	
Current Segment Boolean Array	-		
Cur_Seg[23]	0	BOOL	
			RSL ogix 5000

Cur_Seg (Continued)			
Current Segment Boolean Array Cur_Seg[24]	0	BOOL	
Current Segment Boolean Array	·	BOOL	
Cur_Seg[25]	0	BOOL	
Current Segment Boolean Array Cur_Seg[26]	0	BOOL	
Current Segment Boolean Array			
Cur_Seg[27] Current Segment Boolean Array	0	BOOL	
Cur_Seg[28]	0	BOOL	
Current Segment Boolean Array Cur_Seg[29]	0	BOOL	
Current Segment Boolean Array			
Cur_Seg[30] Current Segment Boolean Array	0	BOOL	
Cur_Seg[31]	0	BOOL	
Current Segment Boolean Array			
First_Scan	0	BOOL	a_RMPS
AOI First Scan Completed Usage:	Local Tag		
External Access:	None		
First_Scan - a_RMPS/Logic - *21(OTE), 1(XIC)			
Last_Seg	0	INT	a_RMPS
Last Segment of Cycle	V	1111	a_KWI 5
Usage:	Local Tag		
External Access: Last_Seg - a_RMPS/Logic - *17(MOV), 17(XIC)	None		
Lusi_Seg - u_Kini 5/Logic - 1/(MOV), 1/(AIC)			
ONS		BOOL[32]	a_RMPS
One Shot Bits	Local Tag	BOOL[32]	a_RMPS
One Shot Bits Usage:	Local Tag None	BOOL[32]	a_RMPS
One Shot Bits Usage: External Access: ONS[0]	Local Tag None 0	BOOL[32]	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits	None 0	BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits	None 0 0	BOOL BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2]	None 0	BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2] One Shot Bits ONS[3]	None 0 0	BOOL BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2] One Shot Bits ONS[3] One Shot Bits	None 0 0 0 0	BOOL BOOL BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2] One Shot Bits ONS[3] One Shot Bits ONS[4] One Shot Bits	None 0 0 0 0 0 0 0	BOOL BOOL BOOL BOOL BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2] One Shot Bits ONS[3] One Shot Bits ONS[4] One Shot Bits ONS[5]	None 0 0 0 0	BOOL BOOL BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2] One Shot Bits ONS[3] One Shot Bits ONS[4] One Shot Bits ONS[5] One Shot Bits ONS[6]	None 0 0 0 0 0 0 0	BOOL BOOL BOOL BOOL BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2] One Shot Bits ONS[3] One Shot Bits ONS[4] One Shot Bits ONS[5] One Shot Bits ONS[6] One Shot Bits	None 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BOOL BOOL BOOL BOOL BOOL BOOL BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2] One Shot Bits ONS[3] One Shot Bits ONS[4] One Shot Bits ONS[5] One Shot Bits ONS[5] One Shot Bits ONS[6] One Shot Bits ONS[7] One Shot Bits	None 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2] One Shot Bits ONS[3] One Shot Bits ONS[4] One Shot Bits ONS[5] One Shot Bits ONS[6] One Shot Bits ONS[7] One Shot Bits ONS[7] One Shot Bits	None 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BOOL BOOL BOOL BOOL BOOL BOOL BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2] One Shot Bits ONS[3] One Shot Bits ONS[4] One Shot Bits ONS[5] One Shot Bits ONS[6] One Shot Bits ONS[7] One Shot Bits ONS[8] One Shot Bits	None 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2] One Shot Bits ONS[3] One Shot Bits ONS[4] One Shot Bits ONS[5] One Shot Bits ONS[6] One Shot Bits ONS[7] One Shot Bits ONS[7] One Shot Bits ONS[8] One Shot Bits	None 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2] One Shot Bits ONS[3] One Shot Bits ONS[4] One Shot Bits ONS[5] One Shot Bits ONS[6] One Shot Bits ONS[7] One Shot Bits ONS[7] One Shot Bits ONS[8] One Shot Bits ONS[9] One Shot Bits	None 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2] One Shot Bits ONS[3] One Shot Bits ONS[4] One Shot Bits ONS[5] One Shot Bits ONS[6] One Shot Bits ONS[7] One Shot Bits ONS[7] One Shot Bits ONS[8] One Shot Bits ONS[9] One Shot Bits ONS[10] One Shot Bits	None 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2] One Shot Bits ONS[3] One Shot Bits ONS[4] One Shot Bits ONS[5] One Shot Bits ONS[6] One Shot Bits ONS[7] One Shot Bits ONS[7] One Shot Bits ONS[8] One Shot Bits ONS[9] One Shot Bits ONS[10] One Shot Bits ONS[11] One Shot Bits	None 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2] One Shot Bits ONS[3] One Shot Bits ONS[4] One Shot Bits ONS[5] One Shot Bits ONS[6] One Shot Bits ONS[7] One Shot Bits ONS[8] One Shot Bits ONS[8] One Shot Bits ONS[9] One Shot Bits ONS[10] One Shot Bits ONS[11] One Shot Bits	None 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	a_RMPS
One Shot Bits Usage: External Access: ONS[0] One Shot Bits ONS[1] One Shot Bits ONS[2] One Shot Bits ONS[3] One Shot Bits ONS[4] One Shot Bits ONS[5] One Shot Bits ONS[6] One Shot Bits ONS[7] One Shot Bits ONS[7] One Shot Bits ONS[8] One Shot Bits ONS[9] One Shot Bits ONS[10] One Shot Bits ONS[11] One Shot Bits	None 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOOL	a_RMPS

SHold_Tmr[1]

Segment Hold Timer 1

SHold_Timr[1]
Segment Hold Timer 1
SHold_Tmr[1] - a_RMPS/Logic - *18(RTO), *4(RES)
SHold_Tmr[1].PRE
Segment Hold Timer 1
SHold_Tmr[1].ACC
Segment Hold Timer 1

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a_RMPS

TIMER

DINT

DINT

ONS (Continued)		DOOL
ONS[14] One Shot Bits	0	BOOL
ONS[15]	0	BOOL
One Shot Bits	O .	DOOL
ONS[16]	0	BOOL
One Shot Bits		
ONS[17]	0	BOOL
One Shot Bits		DOOL
ONS[18] One Shot Bits	0	BOOL
One shot bus ONS[19]	0	BOOL
One Shot Bits	O .	BOOL
ONS[20]	0	BOOL
One Shot Bits		
ONS[21]	0	BOOL
One Shot Bits	0	DOOL
ONS[22] One Shot Bits	0	BOOL
ONS[23]	0	BOOL
One Shot Bits		
ONS[24]	0	BOOL
One Shot Bits		
ONS[25]	0	BOOL
One Shot Bits ONS[26]	0	BOOL
One Shot Bits	O .	DOOL
ONS[27]	0	BOOL
One Shot Bits		
ONS[28]	0	BOOL
One Shot Bits	0	BOOL
ONS[29] One Shot Bits	U	BOOL
$ONS[29]$ - a _RMPS/Logic - *5(ONS)		
ONS[30]	0	BOOL
One Shot Bits		
ONS[31]	0	BOOL
One Shot Bits ONS[31] - a_RMPS/Logic - *4(ONS)		
01\s[31] - u_M1 3/L0gic - 4(01\s)		
SHold_Tmr		TIMER[11]
Segment Hold Timers		
Usage:	Local Tag	
External Access:	None	TIMER
SHold_Tmr[0] Segment Hold Timer 0		HVIEK
SHold_Tmr[0].PRE	0	DINT
Segment Hold Timer 0		
SHold_Tmr[0].ACC	0	DINT
Segment Hold Timer 0		DOOL
SHold_Tmr[0].EN Segment Hold Timer 0	0	BOOL
Segment Hold Timer 0 SHold_Tmr[0].TT	0	BOOL
Segment Hold Timer 0	•	DOOL
SHold_Tmr[0].DN	0	BOOL
Segment Hold Timer 0		mn (===
CII old Tunu[1]		TIMED

2147483600

0

SHold_Tmr[5].DN	0	BOOL
SHold_Tmr[5].TT Segment Hold Timer 5	0	BOOL
Segment Hold Timer 5		
SHold_Tmr[5].ACC - a_RMPS/Logic - 18(DIV) SHold_Tmr[5].EN	0	BOOL
Segment Hold Timer 5 SHold Trans 1 ACC a PMPS/Logic 18(DW)		
SHold_Tmr[5].ACC	0	DINT
SHold_Tmr[5].PRE Segment Hold Timer 5	2147483600	DINT
SHold_Tmr[5] - a_RMPS/Logic - *18(RTO), *4(RES)	21.47.492.692	DD. 77
Segment Hold Timer 5		INVER
Segment Hold Timer 4 SHold_Tmr[5]		TIMER
SHold_Tmr[4].DN	0	BOOL
Segment Hold Timer 4	V	BOOL
Segment Hold Timer 4 SHold_Tmr[4].TT	0	BOOL
SHold_Tmr[4].EN	0	BOOL
SHold_Tmr[4].ACC - a_RMPS/Logic - 18(DIV)		
Segment Hold Timer 4	V	DINI
Segment Hold Timer 4 SHold_Tmr[4].ACC	0	DINT
SHold_Tmr[4].PRE	2147483600	DINT
$SHold_Tmr[4]$ - $a_RMPS/Logic$ - $*18(RTO)$, $*4(RES)$		
Segment Hold Timer 4		TIVIER
Segment Hold Timer 3 SHold_Tmr[4]		TIMER
Hold_Tmr[3].DN	0	BOOL
Segment Hold Timer 3		
Segment Hold Timer 5 SHold_Tmr[3].TT	0	BOOL
SHold_Tmr[3].EN Segment Hold Timer 3	0	BOOL
SHold_Tmr[3].ACC - a_RMPS/Logic - 18(DIV)	0	7007
Segment Hold Timer 3	•	DINI
Segment Hold Timer 3 SHold_Tmr[3].ACC	0	DINT
SHold_Tmr[3].PRE Segment Hold Timer 3	2147483600	DINT
$SHold_Tmr[3] - a_RMPS/Logic - *18(RTO), *4(RES)$		
Segment Hold Timer 3		INVIER
Segment Hold Timer 2 SHold_Tmr[3]		TIMER
SHold_Tmr[2].DN	0	BOOL
Segment Hold Timer 2		
Segment Hold Timer 2 SHold_Tmr[2].TT	0	BOOL
Hold_Tmr[2].EN Segment Hold Timer 2	0	BOOL
SHold_Tmr[2].ACC - a_RMPS/Logic - 18(DIV)		~ a
Segment Hold Timer 2	· ·	DINI
Segment Hold Timer 2 Hold_Tmr[2].ACC	0	DINT
SHold_Tmr[2].PRE	2147483600	DINT
SHold_Tmr[2] - a_RMPS/Logic - *18(RTO), *4(RES)		
Segment Hold Timer 2		THVILK
Segment Hold Timer 1 SHold_Tmr[2]		TIMER
SHold_Tmr[1].DN	0	BOOL
Segment Hold Timer 1		
Segment Hold Timer 1 SHold_Tmr[1].TT	0	BOOL
	· ·	DOOL
SHold_Tmr[1].EN	0	BOOL

SHold_Tmr (Continued)		
Segment Hold Timer 5		TIMED
SHold_Tmr[6] Segment Hold Timer 6		TIMER
Segment Hold Timer o SHold_Tmr[6] - a_RMPS/Logic - *18(RTO), *4(RES)		
SHold_Tmr[6].PRE	2147483600	DINT
Segment Hold Timer 6		
SHold_Tmr[6].ACC	0	DINT
Segment Hold Timer 6		
SHold_Tmr[6].ACC - a_RMPS/Logic - 18(DIV)	0	DOOL
SHold_Tmr[6].EN	0	BOOL
Segment Hold Timer 6 SHold_Tmr[6].TT	0	BOOL
Segment Hold Timer 6	· ·	BOOL
SHold_Tmr[6].DN	0	BOOL
Segment Hold Timer 6		
SHold_Tmr[7]		TIMER
Segment Hold Timer 7		
SHold_Tmr[7] - a_RMPS/Logic - *18(RTO), *4(RES)	2147483600	DINT
SHold_Tmr[7].PRE Segment Hold Timer 7	2147463000	DINI
SHold_Tmr[7].ACC	0	DINT
Segment Hold Timer 7		
SHold_Tmr[7].ACC - a_RMPS/Logic - 18(DIV)		
SHold_Tmr[7].EN	0	BOOL
Segment Hold Timer 7	0	noot
SHold_Tmr[7].TT Segment Hold Timer 7	0	BOOL
SHold_Tmr[7].DN	0	BOOL
Segment Hold Timer 7	· ·	2002
SHold_Tmr[8]		TIMER
Segment Hold Timer 8		
SHold_Tmr[8] - a_RMPS/Logic - *18(RTO), *4(RES)	21.47.402.600	
SHold_Tmr[8].PRE	2147483600	DINT
Segment Hold Timer 8 SHold_Tmr[8].ACC	0	DINT
Segment Hold Timer 8	· ·	DIN
SHold_Tmr[8].ACC - a_RMPS/Logic - 18(DIV)		
SHold_Tmr[8].EN	0	BOOL
Segment Hold Timer 8		D007
SHold_Tmr[8].TT	0	BOOL
Segment Hold Timer 8 SHold_Tmr[8].DN	0	BOOL
Segment Hold Timer 8	O	BOOL
SHold_Tmr[9]		TIMER
Segment Hold Timer 9		
SHold_Tmr[9] - a_RMPS/Logic - *18(RTO), *4(RES)		
SHold_Tmr[9].PRE	2147483600	DINT
Segment Hold Timer 9 SHold_Tmr[9].ACC	0	DINT
Segment Hold Timer 9	O	DINI
SHold_Tmr[9].ACC - a_RMPS/Logic - 18(DIV)		
SHold_Tmr[9].EN	0	BOOL
Segment Hold Timer 9		
SHold_Tmr[9].TT	0	BOOL
Segment Hold Timer 9	0	BOOL
SHold_Tmr[9].DN Segment Hold Timer 9	V	BOOL
SHold_Tmr[10]		TIMER
Segment Hold Timer10		
SHold_Tmr[10] - a_RMPS/Logic - *18(RTO), *4(RES)		
SHold_Tmr[10].PRE	2147483600	DINT
Segment Hold Timer10		

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a_RMPS

SHold_Tmr (Continued)		
SHold_Tmr[10].ACC	0	DINT
Segment Hold Timer10		
SHold_Tmr[10].ACC - a_RMPS/Logic - 18(DIV)		DOOL
SHold_Tmr[10].EN Segment Hold Timer10	0	BOOL
SHold_Tmr[10].TT	0	BOOL
Segment Hold Timer10		D. 0.07
SHold_Tmr[10].DN Segment Hold Timer10	0	BOOL
Segment Hold Timerro		
SRun_Tmr		TIMER[11]
Segment Run Mode Timers Usage:	Local Tag	
External Access:	None	
SRun_Tmr - a_RMPS/Logic - 17(XIC)		TH (FD
SRun_Tmr[0] Segment Run Mode Timer #0		TIMER
SRun_Tmr[0].PRE	0	DINT
Segment Run Mode Timer #0		
SRun_Tmr[0].ACC Segment Run Mode Timer #0	0	DINT
SRun_Tmr[0].EN	0	BOOL
Segment Run Mode Timer #0		
SRun_Tmr[0].TT Segment Run Mode Timer #0	0	BOOL
SRun_Tmr[0].DN	0	BOOL
Segment Run Mode Timer #0		
SRun_Tmr[1] Segment Run Mode Timer #1		TIMER
SRun_Tmr[1] - a_RMPS/Logic - *15(RTO), *4(RES)		
SRun_Tmr[1].PRE	600000	DINT
Segment Run Mode Timer #1		
SRun_Tmr[1].PRE - a_RMPS/Logic - *5(CPT), 15(CPT), 15(GRT) SRun_Tmr[1].ACC	0	DINT
Segment Run Mode Timer #1		
SRun_Tmr[1].ACC - a_RMPS/Logic - 15(CPT), 15(DIV)		Door
SRun_Tmr[1].EN Segment Run Mode Timer #1	0	BOOL
SRun_Tmr[1].TT	0	BOOL
Segment Run Mode Timer #1		D. 0.07
SRun_Tmr[1].DN Segment Run Mode Timer #1	0	BOOL
SRun_Tmr[1].DN - a_RMPS/Logic - 14(XIC)		
SRun_Tmr[2]		TIMER
Segment Run Mode Timer #2 SRun_Tmr[2] - a_RMPS/Logic - *14(RTO), *4(RES)		
SRun_Tmr[2] - u_KMF 5/Logic - 114(KTO), 14(KES) SRun_Tmr[2].PRE	1200000	DINT
Segment Run Mode Timer #2		
SRun_Tmr[2].PRE - a_RMPS/Logic - *5(CPT), 14(CPT), 14(GRT)	0	DINT
SRun_Tmr[2].ACC Segment Run Mode Timer #2	0	DINI
SRun_Tmr[2].ACC - a_RMPS/Logic - 14(CPT), 14(DIV)		
SRun_Tmr[2].EN	0	BOOL
Segment Run Mode Timer #2 SRun_Tmr[2].TT	0	BOOL
Segment Run Mode Timer #2		
SRun_Tmr[2].DN	0	BOOL
Segment Run Mode Timer #2 SRun_Tmr[2].DN - a_RMPS/Logic - 13(XIC)		
SRun_Tmr[3]		TIMER
Segment Run Mode Timer #3		
$SRun_Tmr[3] - a_RMPS/Logic - *13(RTO), *4(RES)$		

tata Context: a_RMPS <definition>

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SRun_Tmr (Continued) SRun_Tmr[3].PRE	1000000	
		DINT
C D M . 1. T' #2	1800000	DINI
Segment Run Mode Timer #3		
SRun_Tmr[3].PRE - a_RMPS/Logic - *5(CPT), 13(CPT), 13(GRT)		D.D. III
SRun_Tmr[3].ACC	0	DINT
Segment Run Mode Timer #3		
SRun_Tmr[3].ACC - a_RMPS/Logic - 13(CPT), 13(DIV)		
SRun_Tmr[3].EN	0	BOOL
Segment Run Mode Timer #3		
SRun_Tmr[3].TT	0	BOOL
Segment Run Mode Timer #3		
SRun Tmr[3].DN	0	BOOL
Segment Run Mode Timer #3		
SRun_Tmr[3].DN - a_RMPS/Logic - 12(XIC)		
SRun_Tmr[4]		TIMER
Segment Run Mode Timer #4		
$SRun_Tmr[4]$ - $a_RMPS/Logic$ - $*12(RTO)$, $*4(RES)$		
SRun_Tmr[4].PRE	2400000	DINT
Segment Run Mode Timer #4		2111
SRun_Tmr[4].PRE - a_RMPS/Logic - *5(CPT), 12(CPT), 12(GRT)		
SRun_Tmr[4].ACC	0	DINT
Segment Run Mode Timer #4	U .	DINI
SRun_Tmr[4].ACC - a_RMPS/Logic - 12(CPT), 12(DIV)		
	0	BOOL
SRun_Tmr[4].EN	U	DOOL
Segment Run Mode Timer #4	0	DOOL
SRun_Tmr[4].TT	0	BOOL
Segment Run Mode Timer #4		DOOL
SRun_Tmr[4].DN	0	BOOL
Segment Run Mode Timer #4		
SRun_Tmr[4].DN - a_RMPS/Logic - 11(XIC)		THE CERT
SRun_Tmr[5]		TIMER
Segment Run Mode Timer #5		
$SRun_Tmr[5] - a_RMPS/Logic - *11(RTO), *4(RES)$		
SRun_Tmr[5].PRE	3000000	DINT
Segment Run Mode Timer #5		
SRun_Tmr[5].PRE - a_RMPS/Logic - *5(CPT), 11(CPT), 11(GRT)		
SRun_Tmr[5].ACC	0	DINT
Commant Day Mada Timon 45	v	
Segment Run Mode Timer #5		
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV)		
	0	BOOL
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV)		BOOL
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN		BOOL BOOL
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5	0	
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT	0	
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5	0 0	BOOL
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN	0 0	BOOL
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5	0 0	BOOL
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[5].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6]	0 0	BOOL BOOL
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[5].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6	0 0	BOOL BOOL
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[5].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6 SRun_Tmr[6] - a_RMPS/Logic - *10(RTO), *4(RES)	0 0	BOOL BOOL
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[5].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6 SRun_Tmr[6] - a_RMPS/Logic - *10(RTO), *4(RES) SRun_Tmr[6].PRE	0 0 0	BOOL BOOL TIMER
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[5].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6 SRun_Tmr[6] - a_RMPS/Logic - *10(RTO), *4(RES) SRun_Tmr[6].PRE Segment Run Mode Timer #6	0 0 0	BOOL BOOL TIMER
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[5].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6 SRun_Tmr[6] - a_RMPS/Logic - *10(RTO), *4(RES) SRun_Tmr[6].PRE Segment Run Mode Timer #6 SRun_Tmr[6].PRE - a_RMPS/Logic - *5(CPT), 10(CPT), 10(GRT)	0 0 0 3600000	BOOL BOOL TIMER DINT
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[5].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6 SRun_Tmr[6] - a_RMPS/Logic - *10(RTO), *4(RES) SRun_Tmr[6].PRE Segment Run Mode Timer #6 SRun_Tmr[6].PRE - a_RMPS/Logic - *5(CPT), 10(CPT), 10(GRT) SRun_Tmr[6].ACC	0 0 0	BOOL BOOL TIMER
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[6].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6 SRun_Tmr[6] - a_RMPS/Logic - *10(RTO), *4(RES) SRun_Tmr[6].PRE Segment Run Mode Timer #6 SRun_Tmr[6].PRE - a_RMPS/Logic - *5(CPT), 10(CPT), 10(GRT) SRun_Tmr[6].ACC Segment Run Mode Timer #6	0 0 0 3600000	BOOL BOOL TIMER DINT
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[6].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6 SRun_Tmr[6] - a_RMPS/Logic - *10(RTO), *4(RES) SRun_Tmr[6].PRE Segment Run Mode Timer #6 SRun_Tmr[6].PRE - a_RMPS/Logic - *5(CPT), 10(CPT), 10(GRT) SRun_Tmr[6].ACC Segment Run Mode Timer #6 SRun_Tmr[6].ACC - a_RMPS/Logic - 10(CPT), 10(DIV)	0 0 0 3600000 0	BOOL BOOL TIMER DINT DINT
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[6].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6 SRun_Tmr[6] - a_RMPS/Logic - *10(RTO), *4(RES) SRun_Tmr[6].PRE Segment Run Mode Timer #6 SRun_Tmr[6].PRE - a_RMPS/Logic - *5(CPT), 10(CPT), 10(GRT) SRun_Tmr[6].ACC Segment Run Mode Timer #6 SRun_Tmr[6].ACC - a_RMPS/Logic - 10(CPT), 10(DIV) SRun_Tmr[6].ACC - a_RMPS/Logic - 10(CPT), 10(DIV)	0 0 0 3600000	BOOL BOOL TIMER DINT
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[5].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6 SRun_Tmr[6] - a_RMPS/Logic - *10(RTO), *4(RES) SRun_Tmr[6].PRE Segment Run Mode Timer #6 SRun_Tmr[6].PRE - a_RMPS/Logic - *5(CPT), 10(CPT), 10(GRT) SRun_Tmr[6].ACC Segment Run Mode Timer #6 SRun_Tmr[6].ACC - a_RMPS/Logic - 10(CPT), 10(DIV) SRun_Tmr[6].EN Segment Run Mode Timer #6	0 0 0 3600000 0	BOOL BOOL TIMER DINT DINT BOOL
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[5].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6 SRun_Tmr[6] - a_RMPS/Logic - *10(RTO), *4(RES) SRun_Tmr[6].PRE Segment Run Mode Timer #6 SRun_Tmr[6].PRE - a_RMPS/Logic - *5(CPT), 10(CPT), 10(GRT) SRun_Tmr[6].ACC Segment Run Mode Timer #6 SRun_Tmr[6].ACC - a_RMPS/Logic - 10(CPT), 10(DIV) SRun_Tmr[6].EN Segment Run Mode Timer #6 SRun_Tmr[6].EN Segment Run Mode Timer #6 SRun_Tmr[6].EN	0 0 0 3600000 0	BOOL BOOL TIMER DINT DINT
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[5].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6 SRun_Tmr[6] - a_RMPS/Logic - *10(RTO), *4(RES) SRun_Tmr[6].PRE Segment Run Mode Timer #6 SRun_Tmr[6].PRE - a_RMPS/Logic - *5(CPT), 10(CPT), 10(GRT) SRun_Tmr[6].ACC Segment Run Mode Timer #6 SRun_Tmr[6].ACC - a_RMPS/Logic - 10(CPT), 10(DIV) SRun_Tmr[6].EN Segment Run Mode Timer #6 SRun_Tmr[6].TT Segment Run Mode Timer #6	0 0 0 3600000 0 0	BOOL BOOL TIMER DINT DINT BOOL BOOL
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[5].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6 SRun_Tmr[6] - a_RMPS/Logic - *10(RTO), *4(RES) SRun_Tmr[6].PRE Segment Run Mode Timer #6 SRun_Tmr[6].PRE - a_RMPS/Logic - *5(CPT), 10(CPT), 10(GRT) SRun_Tmr[6].ACC Segment Run Mode Timer #6 SRun_Tmr[6].ACC - a_RMPS/Logic - 10(CPT), 10(DIV) SRun_Tmr[6].EN Segment Run Mode Timer #6 SRun_Tmr[6].TT Segment Run Mode Timer #6 SRun_Tmr[6].TT Segment Run Mode Timer #6 SRun_Tmr[6].TT	0 0 0 3600000 0	BOOL BOOL TIMER DINT DINT BOOL
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[6].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6 SRun_Tmr[6].PRE Segment Run Mode Timer #6 SRun_Tmr[6].PRE - a_RMPS/Logic - *5(CPT), 10(CPT), 10(GRT) SRun_Tmr[6].ACC Segment Run Mode Timer #6 SRun_Tmr[6].ACC - a_RMPS/Logic - 10(CPT), 10(DIV) SRun_Tmr[6].EN Segment Run Mode Timer #6 SRun_Tmr[6].TT Segment Run Mode Timer #6 SRun_Tmr[6].TT Segment Run Mode Timer #6 SRun_Tmr[6].DN Segment Run Mode Timer #6	0 0 0 3600000 0 0	BOOL BOOL TIMER DINT DINT BOOL BOOL
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[5].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6 SRun_Tmr[6] - a_RMPS/Logic - *10(RTO), *4(RES) SRun_Tmr[6].PRE Segment Run Mode Timer #6 SRun_Tmr[6].PRE - a_RMPS/Logic - *5(CPT), 10(CPT), 10(GRT) SRun_Tmr[6].ACC Segment Run Mode Timer #6 SRun_Tmr[6].ACC - a_RMPS/Logic - 10(CPT), 10(DIV) SRun_Tmr[6].EN Segment Run Mode Timer #6 SRun_Tmr[6].TT Segment Run Mode Timer #6 SRun_Tmr[6].DN Segment Run Mode Timer #6 SRun_Tmr[6].DN Segment Run Mode Timer #6	0 0 0 3600000 0 0	BOOL BOOL TIMER DINT DINT BOOL BOOL BOOL
SRun_Tmr[5].ACC - a_RMPS/Logic - 11(CPT), 11(DIV) SRun_Tmr[5].EN Segment Run Mode Timer #5 SRun_Tmr[5].TT Segment Run Mode Timer #5 SRun_Tmr[5].DN Segment Run Mode Timer #5 SRun_Tmr[6].DN - a_RMPS/Logic - 10(XIC) SRun_Tmr[6] Segment Run Mode Timer #6 SRun_Tmr[6].PRE Segment Run Mode Timer #6 SRun_Tmr[6].PRE - a_RMPS/Logic - *5(CPT), 10(CPT), 10(GRT) SRun_Tmr[6].ACC Segment Run Mode Timer #6 SRun_Tmr[6].ACC - a_RMPS/Logic - 10(CPT), 10(DIV) SRun_Tmr[6].EN Segment Run Mode Timer #6 SRun_Tmr[6].TT Segment Run Mode Timer #6 SRun_Tmr[6].TT Segment Run Mode Timer #6 SRun_Tmr[6].DN Segment Run Mode Timer #6	0 0 0 3600000 0 0	BOOL BOOL TIMER DINT DINT BOOL BOOL

SRun_Tmr (Continued)		
Segment Run Mode Timer #7		
SRun_Tmr[7] - a_RMPS/Logic - *4(RES), *9(RTO)		
SRun_Tmr[7].PRE	4200000	DINT
Segment Run Mode Timer #7		
SRun_Tmr[7].PRE - a_RMPS/Logic - *5(CPT), 9(CPT), 9(GRT)	0	DINT
SRun_Tmr[7].ACC Segment Run Mode Timer #7	0	DINI
SRun_Tmr[7].ACC - a_RMPS/Logic - 9(CPT), 9(DIV)		
SRun_Tmr[7].EN	0	BOOL
Segment Run Mode Timer #7	v	2002
SRun_Tmr[7].TT	0	BOOL
Segment Run Mode Timer #7		
SRun_Tmr[7].DN	0	BOOL
Segment Run Mode Timer #7		
SRun_Tmr[7].DN - a_RMPS/Logic - 8(XIC)		TH (FD
SRun_Tmr[8]		TIMER
Segment Run Mode Timer #8 SPun Trans 2 a PMPS a air *4 (PES) *8 (PTO)		
SRun_Tmr[8] - a_RMPS/Logic - *4(RES), *8(RTO) SRun_Tmr[8].PRE	4200000	DINT
Segment Run Mode Timer #8	4200000	DINI
SRun_Tmr[8].PRE - a_RMPS/Logic - *5(CPT), 8(CPT), 8(GRT)		
SRun_Tmr[8].ACC	0	DINT
Segment Run Mode Timer #8		
SRun_Tmr[8].ACC - a_RMPS/Logic - 8(CPT), 8(DIV)		
SRun_Tmr[8].EN	0	BOOL
Segment Run Mode Timer #8		
SRun_Tmr[8].TT	0	BOOL
Segment Run Mode Timer #8	0	DOOL
SRun_Tmr[8].DN Segment Run Mode Timer #8	0	BOOL
Segment Run Mode Timer #8 SRun_Tmr[8].DN - a_RMPS/Logic - 7(XIC)		
		TIMER
SRun_Tmr[9]		TIMER
SRun_Tmr[9] Segment Run Mode Timer #9		TIMER
SRun_Tmr[9]	5400000	TIMER DINT
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO)	5400000	
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT)		DINT
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC	5400000 0	
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9		DINT
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV)	0	DINT
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN		DINT
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9	0	DINT DINT BOOL
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT	0	DINT
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9	0 0 0	DINT DINT BOOL BOOL
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9 SRun_Tmr[9].DN	0	DINT DINT BOOL
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9	0 0 0	DINT DINT BOOL BOOL
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9 SRun_Tmr[9].DN Segment Run Mode Timer #9	0 0 0	DINT DINT BOOL BOOL
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9 SRun_Tmr[9].DN Segment Run Mode Timer #9 SRun_Tmr[9].DN - a_RMPS/Logic - 6(XIC) SRun_Tmr[10] Segment Run Mode Timer #10	0 0 0	DINT BOOL BOOL BOOL
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9 SRun_Tmr[9].DN Segment Run Mode Timer #9 SRun_Tmr[9].DN - a_RMPS/Logic - 6(XIC) SRun_Tmr[10] Segment Run Mode Timer #10 SRun_Tmr[10] - a_RMPS/Logic - *4(RES), *6(RTO)	0 0 0 0	DINT DINT BOOL BOOL BOOL TIMER
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9 SRun_Tmr[9].DN Segment Run Mode Timer #9 SRun_Tmr[9].DN - a_RMPS/Logic - 6(XIC) SRun_Tmr[10] Segment Run Mode Timer #10 SRun_Tmr[10] - a_RMPS/Logic - *4(RES), *6(RTO) SRun_Tmr[10].PRE	0 0 0	DINT BOOL BOOL BOOL
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9 SRun_Tmr[9].DN Segment Run Mode Timer #9 SRun_Tmr[9].DN - a_RMPS/Logic - 6(XIC) SRun_Tmr[10] Segment Run Mode Timer #10 SRun_Tmr[10] - a_RMPS/Logic - *4(RES), *6(RTO) SRun_Tmr[10].PRE Segment Run Mode Timer #10	0 0 0 0	DINT DINT BOOL BOOL BOOL TIMER
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9 SRun_Tmr[9].DN Segment Run Mode Timer #9 SRun_Tmr[9].DN - a_RMPS/Logic - 6(XIC) SRun_Tmr[10] Segment Run Mode Timer #10 SRun_Tmr[10] - a_RMPS/Logic - *4(RES), *6(RTO) SRun_Tmr[10].PRE Segment Run Mode Timer #10 SRun_Tmr[10].PRE - a_RMPS/Logic - *5(CPT), 6(CPT), 6(GRT)	0 0 0 0	DINT DINT BOOL BOOL TIMER DINT
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9 SRun_Tmr[9].DN Segment Run Mode Timer #9 SRun_Tmr[9].DN - a_RMPS/Logic - 6(XIC) SRun_Tmr[10] Segment Run Mode Timer #10 SRun_Tmr[10].PRE Segment Run Mode Timer #10 SRun_Tmr[10].PRE Segment Run Mode Timer #10 SRun_Tmr[10].PRE - a_RMPS/Logic - *5(CPT), 6(CPT), 6(GRT) SRun_Tmr[10].ACC	0 0 0 0	DINT DINT BOOL BOOL BOOL TIMER
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9 SRun_Tmr[9].DN Segment Run Mode Timer #9 SRun_Tmr[9].DN - a_RMPS/Logic - 6(XIC) SRun_Tmr[10] Segment Run Mode Timer #10 SRun_Tmr[10] - a_RMPS/Logic - *4(RES), *6(RTO) SRun_Tmr[10].PRE Segment Run Mode Timer #10 SRun_Tmr[10].PRE - a_RMPS/Logic - *5(CPT), 6(CPT), 6(GRT) SRun_Tmr[10].ACC Segment Run Mode Timer #10	0 0 0 0	DINT BOOL BOOL TIMER DINT
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9 SRun_Tmr[9].DN Segment Run Mode Timer #9 SRun_Tmr[9].DN - a_RMPS/Logic - 6(XIC) SRun_Tmr[10] Segment Run Mode Timer #10 SRun_Tmr[10].PRE Segment Run Mode Timer #10 SRun_Tmr[10].PRE - a_RMPS/Logic - *5(CPT), 6(CPT), 6(GRT) SRun_Tmr[10].ACC Segment Run Mode Timer #10 SRun_Tmr[10].ACC Segment Run Mode Timer #10 SRun_Tmr[10].ACC	0 0 0 0 0 6000000 0	DINT BOOL BOOL TIMER DINT DINT
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9 SRun_Tmr[9].DN Segment Run Mode Timer #9 SRun_Tmr[9].DN - a_RMPS/Logic - 6(XIC) SRun_Tmr[10] Segment Run Mode Timer #10 SRun_Tmr[10].PRE Segment Run Mode Timer #10 SRun_Tmr[10].PRE - a_RMPS/Logic - *5(CPT), 6(CPT), 6(GRT) SRun_Tmr[10].ACC Segment Run Mode Timer #10 SRun_Tmr[10].ACC Segment Run Mode Timer #10 SRun_Tmr[10].ACC Segment Run Mode Timer #10 SRun_Tmr[10].ACC - a_RMPS/Logic - 6(CPT), 6(DIV) SRun_Tmr[10].EN	0 0 0 0	DINT DINT BOOL BOOL TIMER DINT
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9 SRun_Tmr[9].DN Segment Run Mode Timer #9 SRun_Tmr[9].DN - a_RMPS/Logic - 6(XIC) SRun_Tmr[10] Segment Run Mode Timer #10 SRun_Tmr[10].PRE Segment Run Mode Timer #10 SRun_Tmr[10].PRE - a_RMPS/Logic - *5(CPT), 6(CPT), 6(GRT) SRun_Tmr[10].ACC Segment Run Mode Timer #10 SRun_Tmr[10].ACC Segment Run Mode Timer #10 SRun_Tmr[10].ACC Segment Run Mode Timer #10 SRun_Tmr[10].ACC - a_RMPS/Logic - 6(CPT), 6(DIV) SRun_Tmr[10].EN Segment Run Mode Timer #10	0 0 0 0 0 6000000 0	DINT BOOL BOOL TIMER DINT DINT
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9 SRun_Tmr[9].DN Segment Run Mode Timer #9 SRun_Tmr[9].DN - a_RMPS/Logic - 6(XIC) SRun_Tmr[10] Segment Run Mode Timer #10 SRun_Tmr[10].PRE Segment Run Mode Timer #10 SRun_Tmr[10].PRE - a_RMPS/Logic - *5(CPT), 6(CPT), 6(GRT) SRun_Tmr[10].ACC Segment Run Mode Timer #10 SRun_Tmr[10].ACC Segment Run Mode Timer #10 SRun_Tmr[10].ACC Segment Run Mode Timer #10 SRun_Tmr[10].ACC - a_RMPS/Logic - 6(CPT), 6(DIV) SRun_Tmr[10].EN	0 0 0 0 6000000 0 0	DINT BOOL BOOL TIMER DINT DINT BOOL
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9 SRun_Tmr[9].DN Segment Run Mode Timer #9 SRun_Tmr[9].DN - a_RMPS/Logic - 6(XIC) SRun_Tmr[10] Segment Run Mode Timer #10 SRun_Tmr[10].PRE Segment Run Mode Timer #10 SRun_Tmr[10].PRE - a_RMPS/Logic - *5(CPT), 6(CPT), 6(GRT) SRun_Tmr[10].ACC Segment Run Mode Timer #10 SRun_Tmr[10].ACC - a_RMPS/Logic - 6(CPT), 6(DIV) SRun_Tmr[10].EN Segment Run Mode Timer #10 SRun_Tmr[10].EN Segment Run Mode Timer #10 SRun_Tmr[10].TT Segment Run Mode Timer #10 SRun_Tmr[10].TT Segment Run Mode Timer #10 SRun_Tmr[10].DN	0 0 0 0 6000000 0 0	DINT BOOL BOOL TIMER DINT DINT BOOL
SRun_Tmr[9] Segment Run Mode Timer #9 SRun_Tmr[9] - a_RMPS/Logic - *4(RES), *7(RTO) SRun_Tmr[9].PRE Segment Run Mode Timer #9 SRun_Tmr[9].PRE - a_RMPS/Logic - *5(CPT), 7(CPT), 7(GRT) SRun_Tmr[9].ACC Segment Run Mode Timer #9 SRun_Tmr[9].ACC - a_RMPS/Logic - 7(CPT), 7(DIV) SRun_Tmr[9].EN Segment Run Mode Timer #9 SRun_Tmr[9].TT Segment Run Mode Timer #9 SRun_Tmr[9].DN Segment Run Mode Timer #9 SRun_Tmr[10].DN - a_RMPS/Logic - 6(XIC) SRun_Tmr[10] Segment Run Mode Timer #10 SRun_Tmr[10].PRE Segment Run Mode Timer #10 SRun_Tmr[10].PRE Segment Run Mode Timer #10 SRun_Tmr[10].ACC Segment Run Mode Timer #10 SRun_Tmr[10].ACC Segment Run Mode Timer #10 SRun_Tmr[10].ACC - a_RMPS/Logic - 6(CPT), 6(DIV) SRun_Tmr[10].EN Segment Run Mode Timer #10 SRun_Tmr[10].EN Segment Run Mode Timer #10 SRun_Tmr[10].TT Segment Run Mode Timer #10	0 0 0 0 6000000 0 0 0	DINT BOOL BOOL TIMER DINT DINT BOOL BOOL

ST_Check_1		CONTROL	a_RMPS
Segment Time Input Low Limit Check			
Usage:	Local Tag		
External Access:	None		
ST_Check_1 - a_RMPS/Logic - *2(FSC), *2(RES)			
ST_Check_1.LEN	11	DINT	
Segment Time Input Low Limit Check			
ST_Check_1.POS	0	DINT	
Segment Time Input Low Limit Check			
ST_Check_1.POS - a_RMPS/Logic - 2(FSC)		DOOL	
ST_Check_1.EN	0	BOOL	
Segment Time Input Low Limit Check	0	DOOL	
ST_Check_1.EU Soomont Time Input I and Limit Check	0	BOOL	
Segment Time Input Low Limit Check ST_Check_1.DN	0	BOOL	
Segment Time Input Low Limit Check	U	BOOL	
ST_Check_1.EM	0	BOOL	
Segment Time Input Low Limit Check	U .	BOOL	
ST_Check_1.ER	0	BOOL	
Segment Time Input Low Limit Check	v	BOOL	
ST_Check_1.UL	0	BOOL	
Segment Time Input Low Limit Check	v	B00E	
ST_Check_1.IN	0	BOOL	
Segment Time Input Low Limit Check			
ST_Check_1.FD	0	BOOL	
Segment Time Input Low Limit Check			
ST_Check_1.FD - a_RMPS/Logic - 3(XIC)			
			D1 (D0
ST_Check_2		CONTROL	a_RMPS
Segment Time Input High Limit Check		CONTROL	a_RMPS
Segment Time Input High Limit Check Usage:	Local Tag	CONTROL	a_RMPS
Segment Time Input High Limit Check Usage: External Access:	Local Tag None	CONTROL	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES)	None		a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN		DINT	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check	None 11	DINT	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS	None		a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check	None 11	DINT	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC)	None 11 0	DINT DINT	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN	None 11	DINT	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN Segment Time Input High Limit Check	None 11 0 0	DINT DINT BOOL	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN Segment Time Input High Limit Check ST_Check_2.EU	None 11 0	DINT DINT	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN Segment Time Input High Limit Check ST_Check_2.EU Segment Time Input High Limit Check	None 11 0 0	DINT DINT BOOL BOOL	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN Segment Time Input High Limit Check ST_Check_2.EU Segment Time Input High Limit Check ST_Check_2.EU Segment Time Input High Limit Check ST_Check_2.DN	None 11 0 0 0 0	DINT DINT BOOL	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN Segment Time Input High Limit Check ST_Check_2.EU Segment Time Input High Limit Check ST_Check_2.DN Segment Time Input High Limit Check	None 11 0 0 0 0	DINT DINT BOOL BOOL	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN Segment Time Input High Limit Check ST_Check_2.EU Segment Time Input High Limit Check ST_Check_2.DN Segment Time Input High Limit Check ST_Check_2.DN Segment Time Input High Limit Check ST_Check_2.EM	None 11 0 0 0 0 0 0	DINT DINT BOOL BOOL BOOL	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN Segment Time Input High Limit Check ST_Check_2.EU Segment Time Input High Limit Check ST_Check_2.DN Segment Time Input High Limit Check ST_Check_2.EM Segment Time Input High Limit Check ST_Check_2.EM Segment Time Input High Limit Check ST_Check_2.ER	None 11 0 0 0 0 0 0	DINT DINT BOOL BOOL BOOL	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN Segment Time Input High Limit Check ST_Check_2.EU Segment Time Input High Limit Check ST_Check_2.DN Segment Time Input High Limit Check ST_Check_2.EM Segment Time Input High Limit Check ST_Check_2.EM Segment Time Input High Limit Check ST_Check_2.ER Segment Time Input High Limit Check	None 11 0 0 0 0 0 0 0 0	DINT DINT BOOL BOOL BOOL BOOL BOOL BOOL	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN Segment Time Input High Limit Check ST_Check_2.EU Segment Time Input High Limit Check ST_Check_2.DN Segment Time Input High Limit Check ST_Check_2.EM Segment Time Input High Limit Check ST_Check_2.ER Segment Time Input High Limit Check ST_Check_2.ER Segment Time Input High Limit Check ST_Check_2.ER Segment Time Input High Limit Check	None 11 0 0 0 0 0 0 0 0	DINT DINT BOOL BOOL BOOL BOOL	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN Segment Time Input High Limit Check ST_Check_2.EU Segment Time Input High Limit Check ST_Check_2.DN Segment Time Input High Limit Check ST_Check_2.EM Segment Time Input High Limit Check ST_Check_2.EM Segment Time Input High Limit Check ST_Check_2.ER Segment Time Input High Limit Check ST_Check_2.UL Segment Time Input High Limit Check	None 11 0 0 0 0 0 0 0 0 0 0 0 0 0	DINT DINT BOOL BOOL BOOL BOOL BOOL BOOL BOOL	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN Segment Time Input High Limit Check ST_Check_2.EU Segment Time Input High Limit Check ST_Check_2.DN Segment Time Input High Limit Check ST_Check_2.EM Segment Time Input High Limit Check ST_Check_2.EM Segment Time Input High Limit Check ST_Check_2.ER Segment Time Input High Limit Check ST_Check_2.UL Segment Time Input High Limit Check ST_Check_2.IN	None 11 0 0 0 0 0 0 0 0 0 0	DINT DINT BOOL BOOL BOOL BOOL BOOL BOOL	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN Segment Time Input High Limit Check ST_Check_2.EU Segment Time Input High Limit Check ST_Check_2.DN Segment Time Input High Limit Check ST_Check_2.EM Segment Time Input High Limit Check ST_Check_2.EM Segment Time Input High Limit Check ST_Check_2.ER Segment Time Input High Limit Check ST_Check_2.UL Segment Time Input High Limit Check ST_Check_2.IN Segment Time Input High Limit Check	None 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DINT DINT BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOO	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN Segment Time Input High Limit Check ST_Check_2.EU Segment Time Input High Limit Check ST_Check_2.DN Segment Time Input High Limit Check ST_Check_2.EM Segment Time Input High Limit Check ST_Check_2.ER Segment Time Input High Limit Check ST_Check_2.UL Segment Time Input High Limit Check ST_Check_2.UL Segment Time Input High Limit Check ST_Check_2.IN Segment Time Input High Limit Check ST_Check_2.FD	None 11 0 0 0 0 0 0 0 0 0 0 0 0 0	DINT DINT BOOL BOOL BOOL BOOL BOOL BOOL BOOL	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN Segment Time Input High Limit Check ST_Check_2.EU Segment Time Input High Limit Check ST_Check_2.DN Segment Time Input High Limit Check ST_Check_2.EM Segment Time Input High Limit Check ST_Check_2.ER Segment Time Input High Limit Check ST_Check_2.UL Segment Time Input High Limit Check ST_Check_2.UL Segment Time Input High Limit Check ST_Check_2.IN Segment Time Input High Limit Check ST_Check_2.FD Segment Time Input High Limit Check	None 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DINT DINT BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOO	a_RMPS
Segment Time Input High Limit Check Usage: External Access: ST_Check_2 - a_RMPS/Logic - *2(FSC), *2(RES) ST_Check_2.LEN Segment Time Input High Limit Check ST_Check_2.POS Segment Time Input High Limit Check ST_Check_2.POS - a_RMPS/Logic - 2(FSC) ST_Check_2.EN Segment Time Input High Limit Check ST_Check_2.EU Segment Time Input High Limit Check ST_Check_2.DN Segment Time Input High Limit Check ST_Check_2.EM Segment Time Input High Limit Check ST_Check_2.ER Segment Time Input High Limit Check ST_Check_2.UL Segment Time Input High Limit Check ST_Check_2.UL Segment Time Input High Limit Check ST_Check_2.IN Segment Time Input High Limit Check ST_Check_2.FD	None 11 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	DINT DINT BOOL BOOL BOOL BOOL BOOL BOOL BOOL BOO	a_RMPS

(ER)—

Mode ALL Expression STime_SP[ST_Check_2.POS]>35791.0

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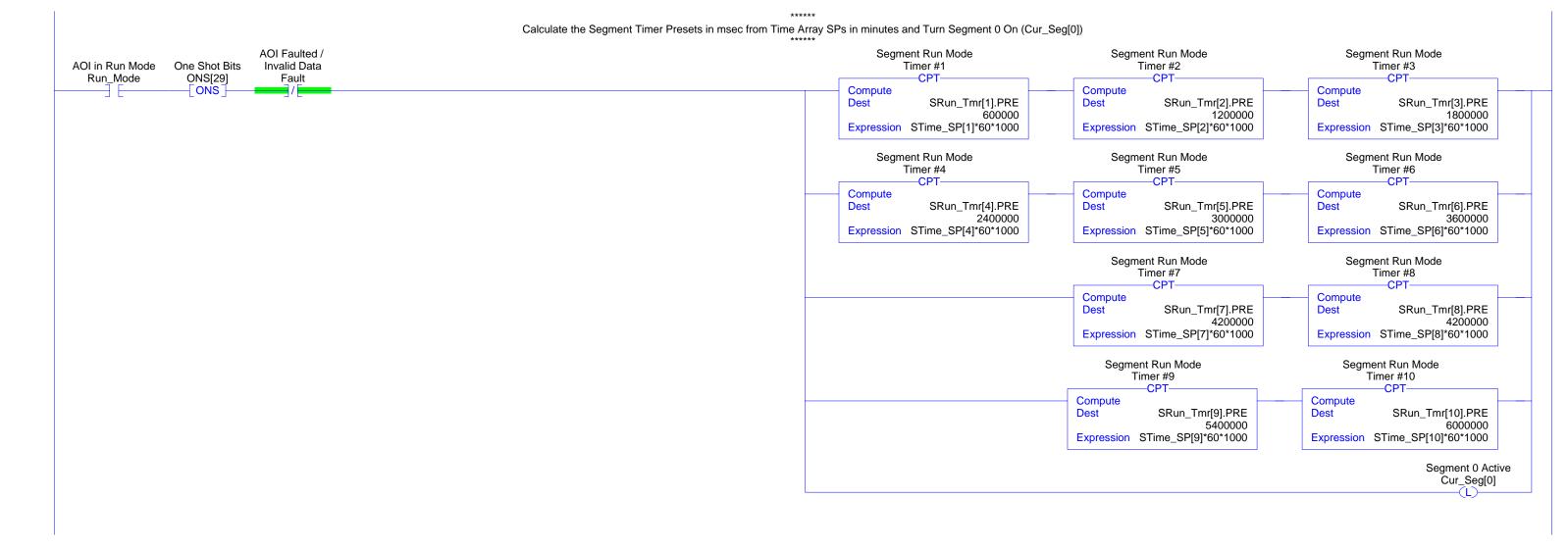
a_RMPS Instruction Definition - Logic Routine

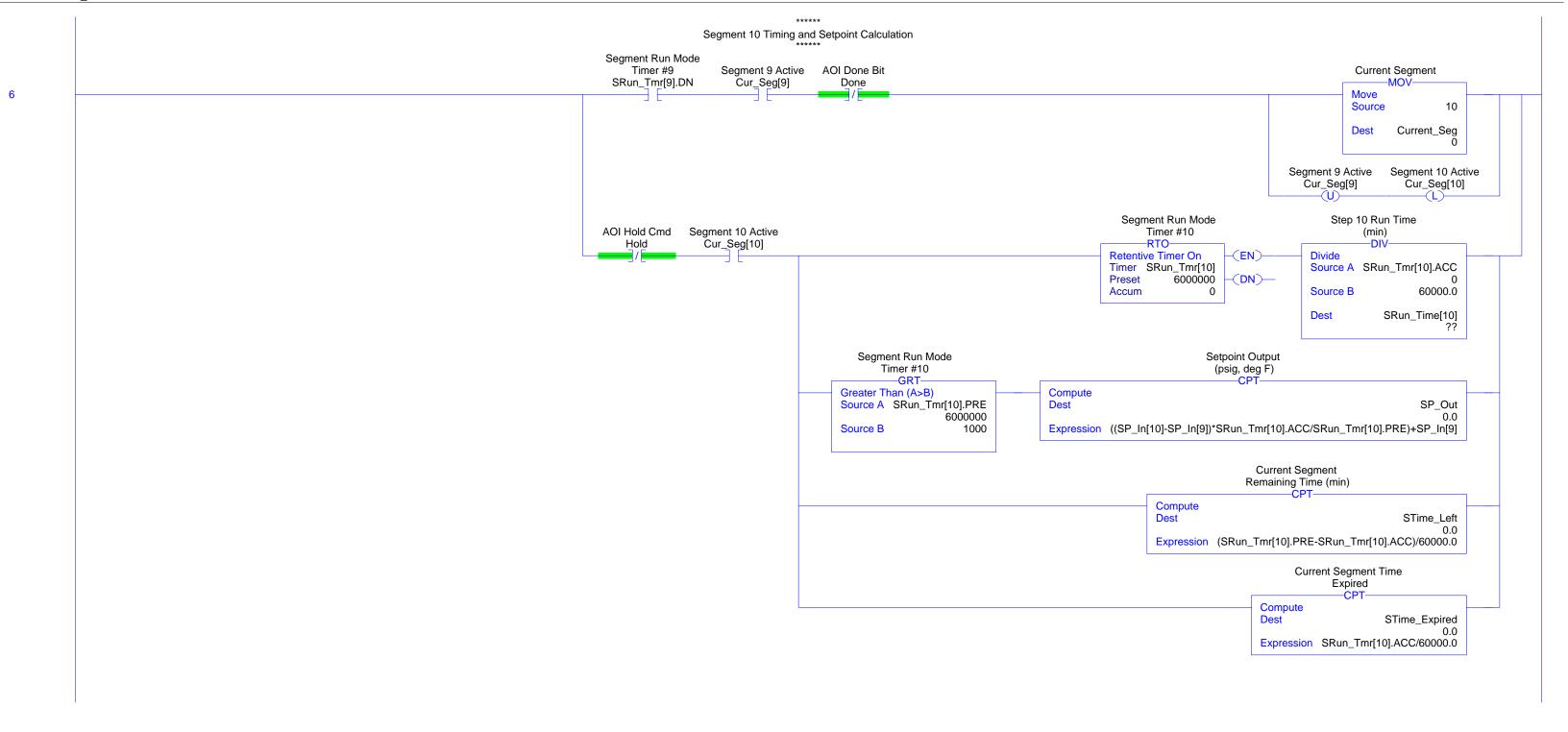
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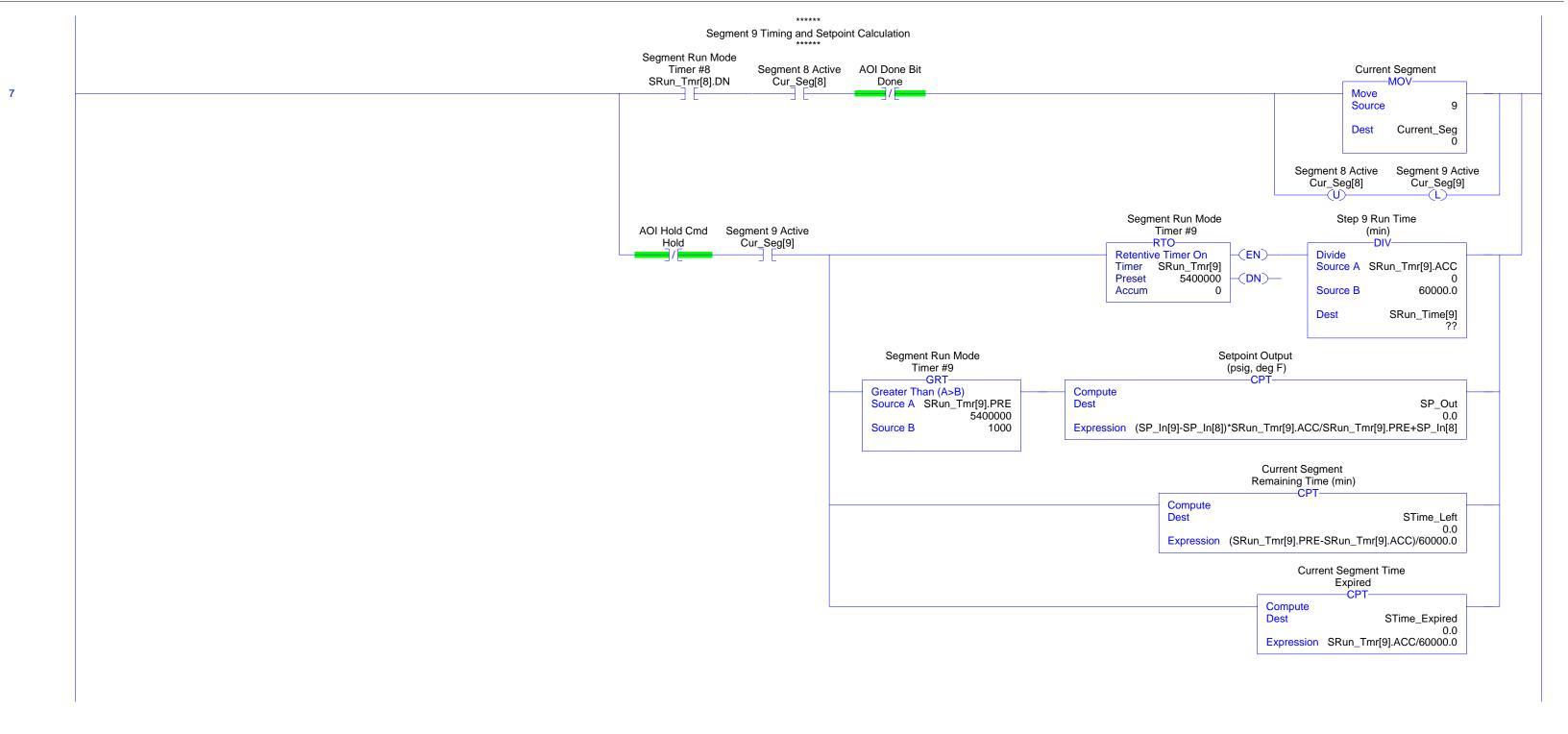
C:\RSLogix 5000\Projects\Bench Test\Random_AOI_Test_01042020.ACD

Compact_AOI_Test:Add-On Instructions:a_RMPS:Logic Total number of rungs in routine: 22
Data Context: a_RMPS <definition>

5



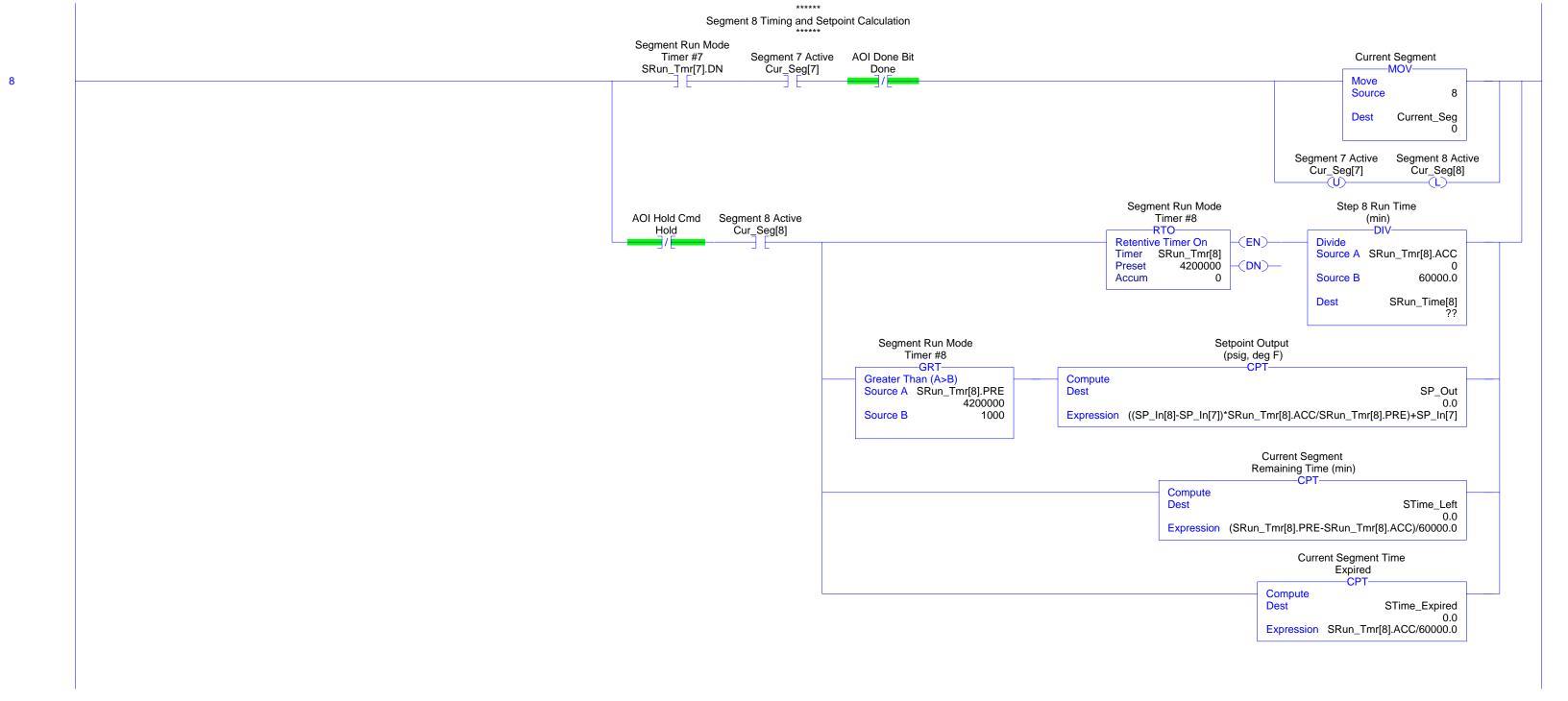




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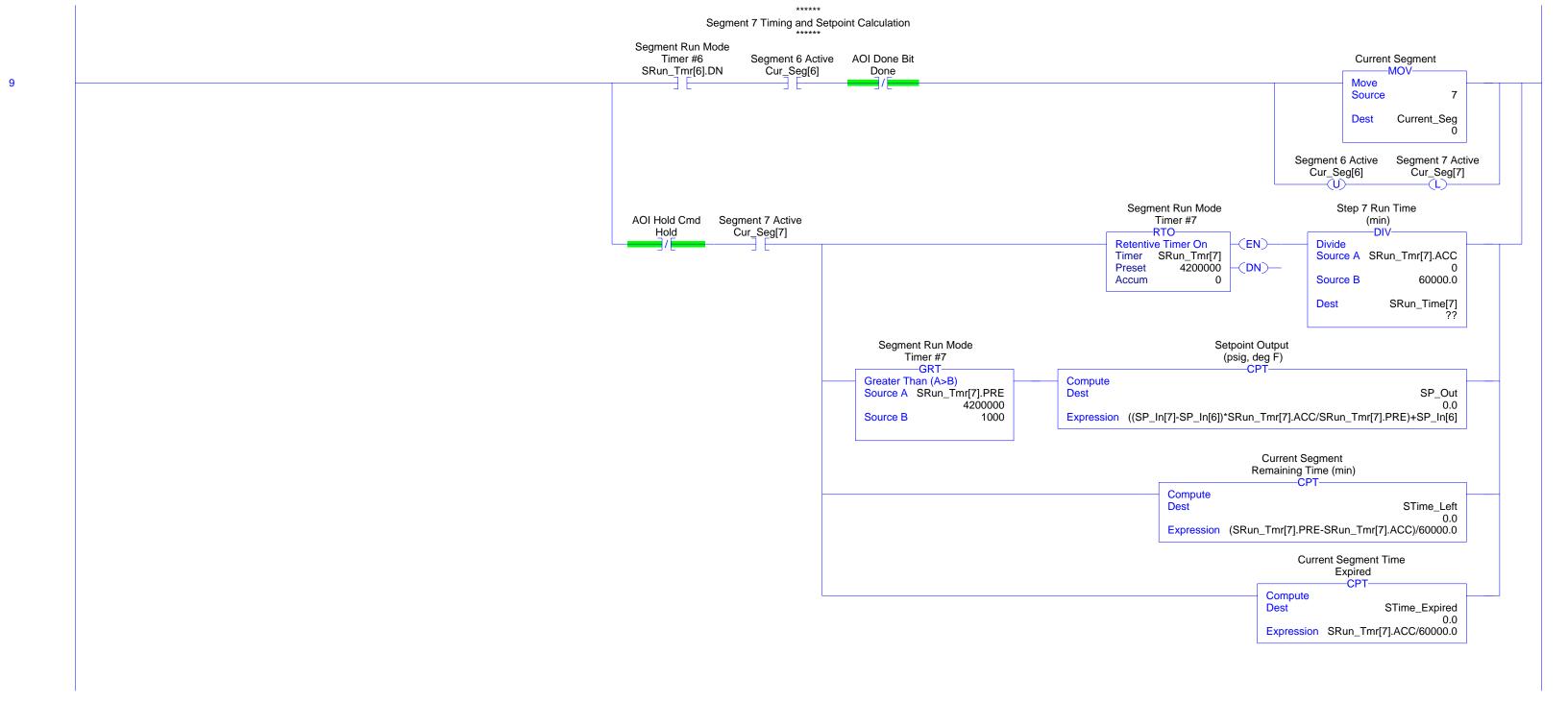
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Total number of rungs in routine: 22 Data Context: a RMPS <definition>



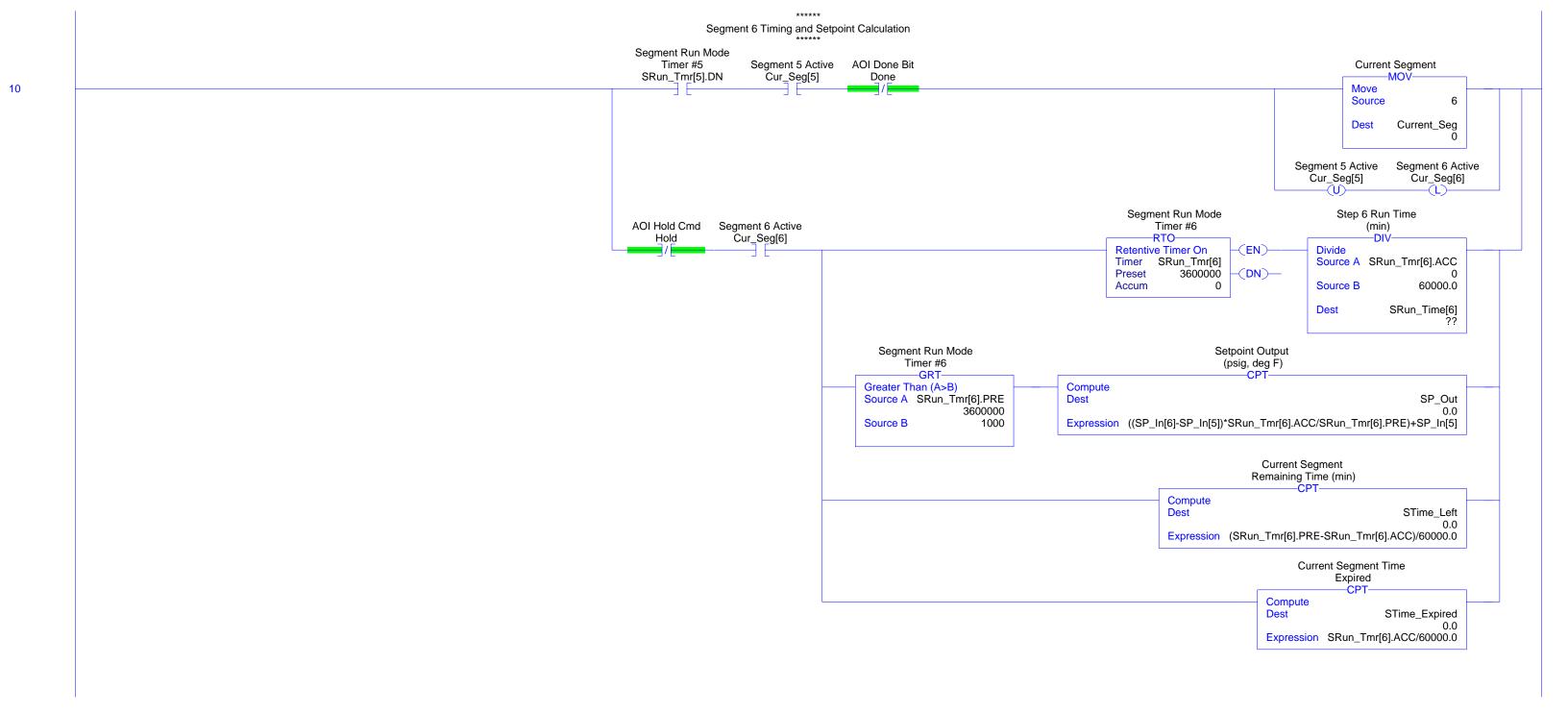
Total number of rungs in routine: 22

Data Context: a_RMPS <definition>

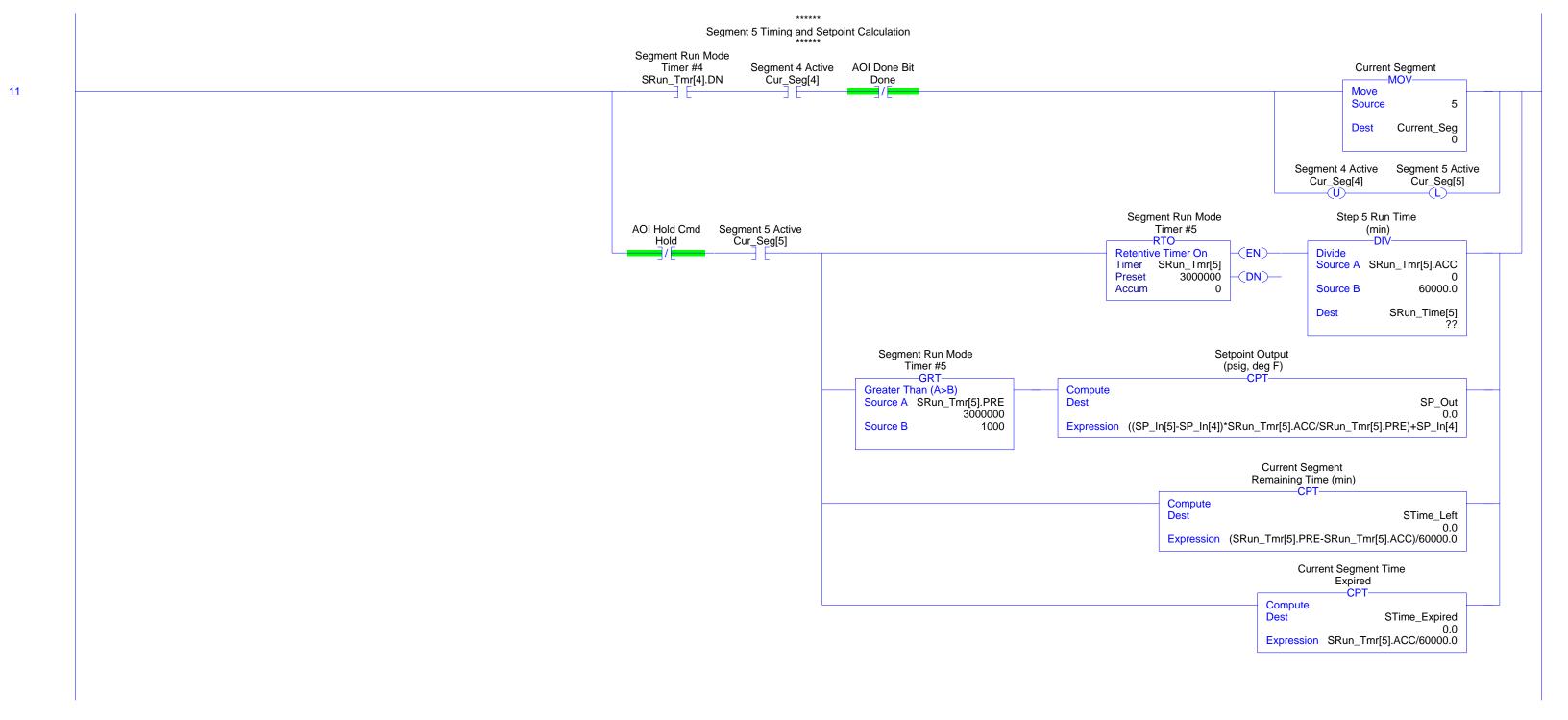


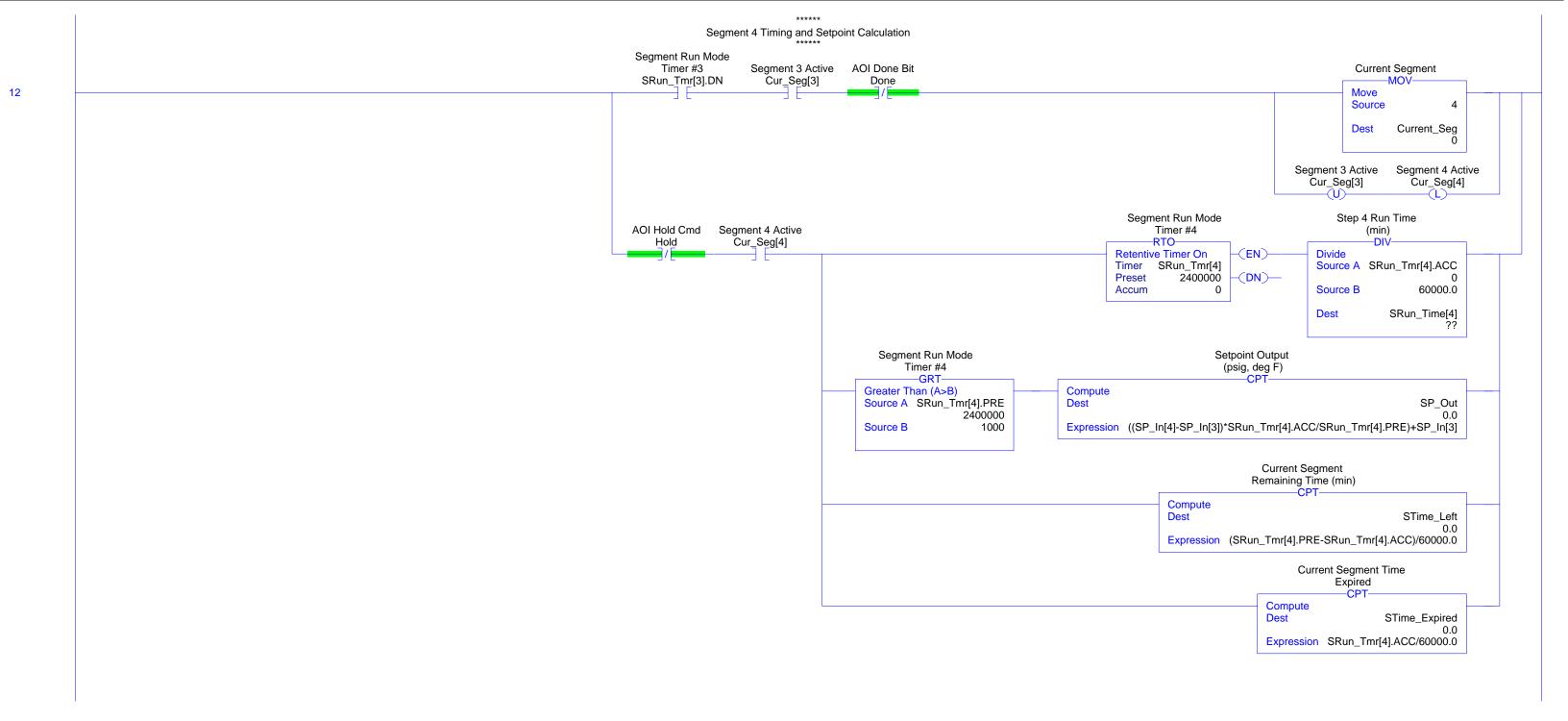
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Total number of rungs in routine: 22
Data Context: a_RMPS <definition>

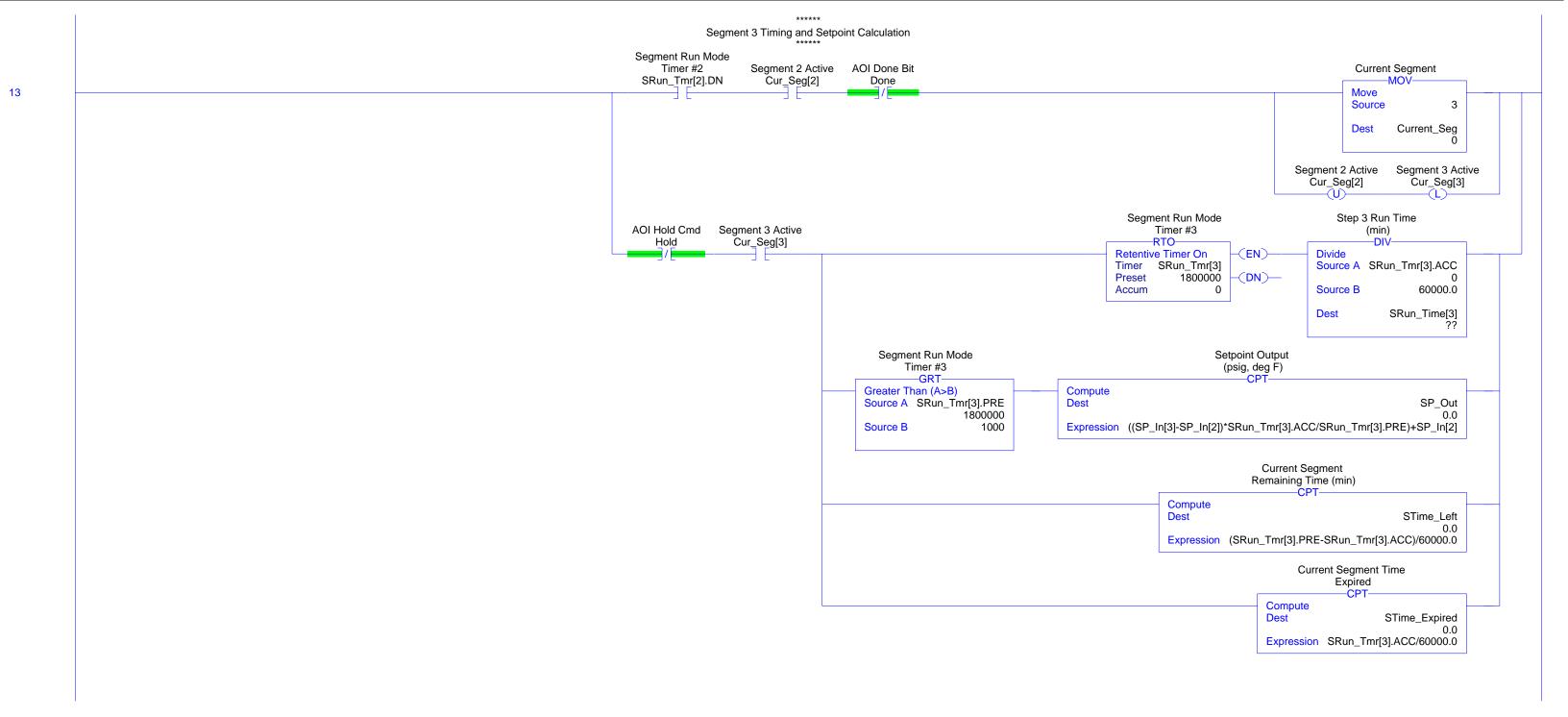


Total number of rungs in routine: 22
Data Context: a RMPS <definition>

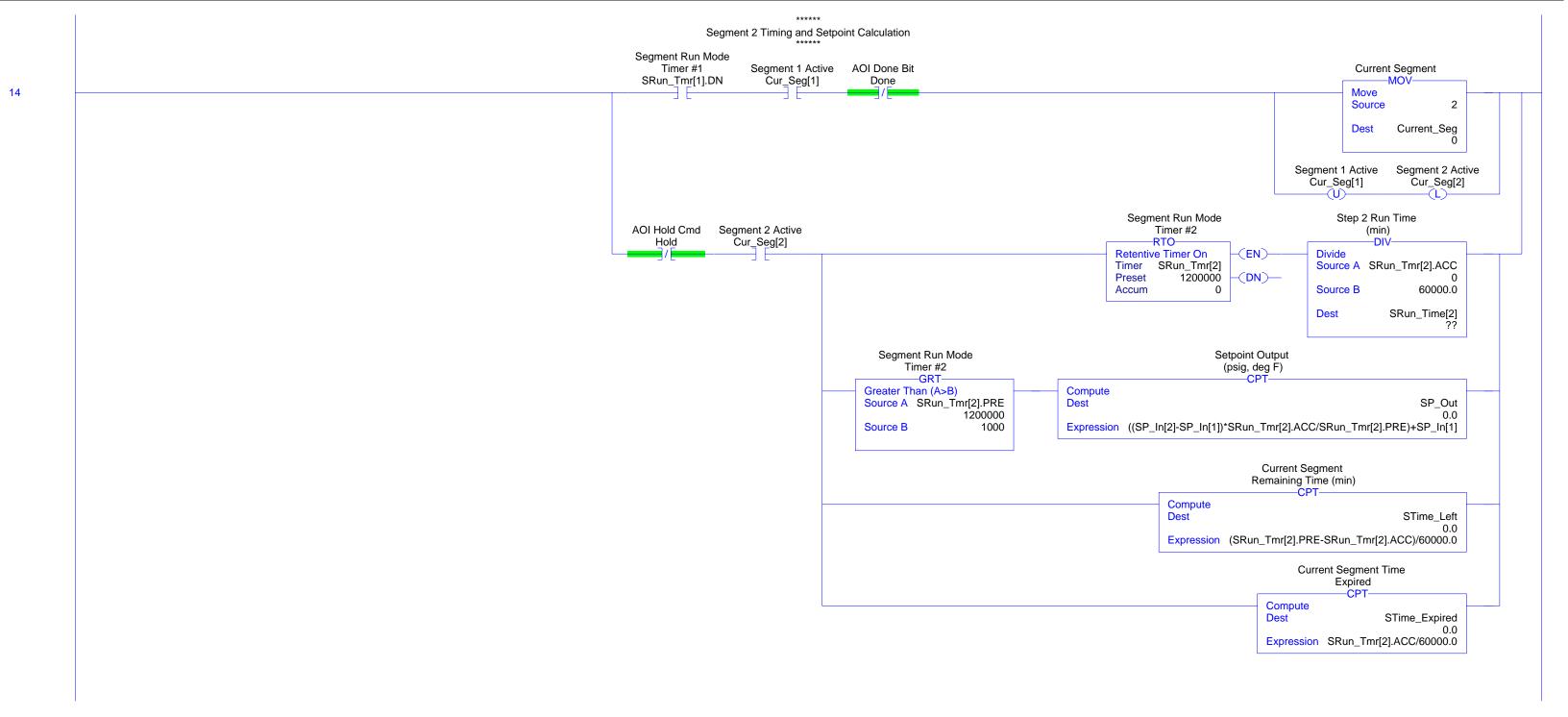


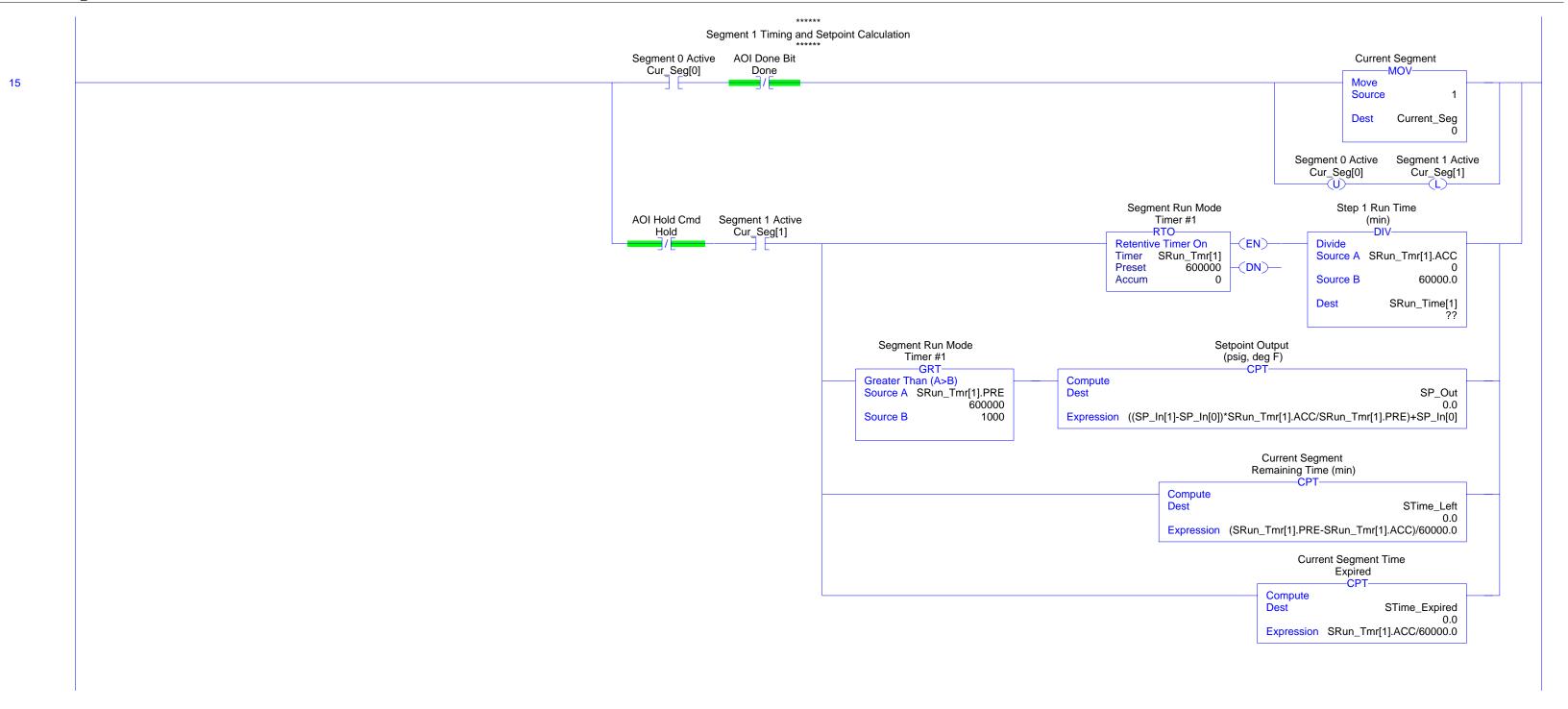


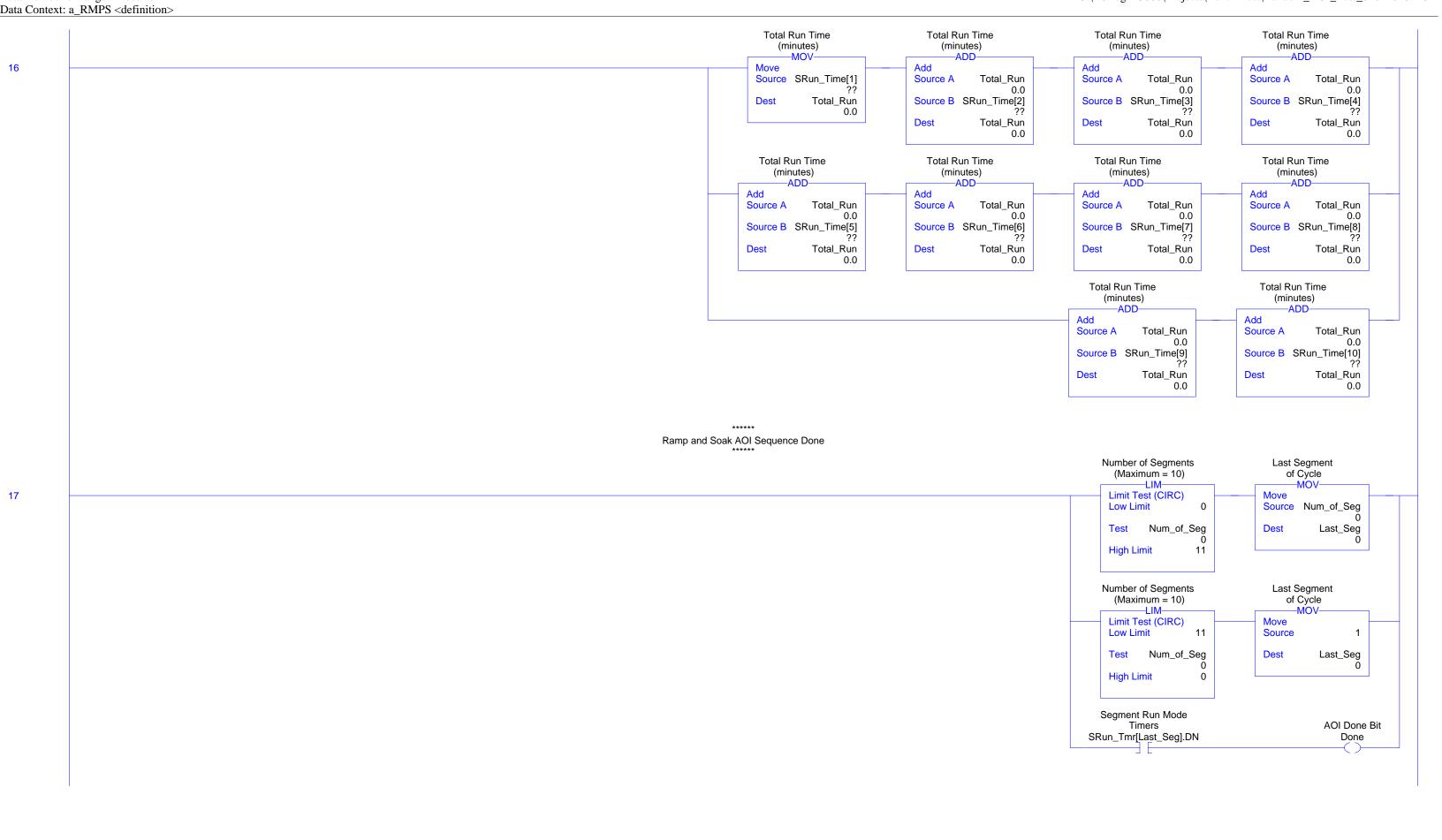
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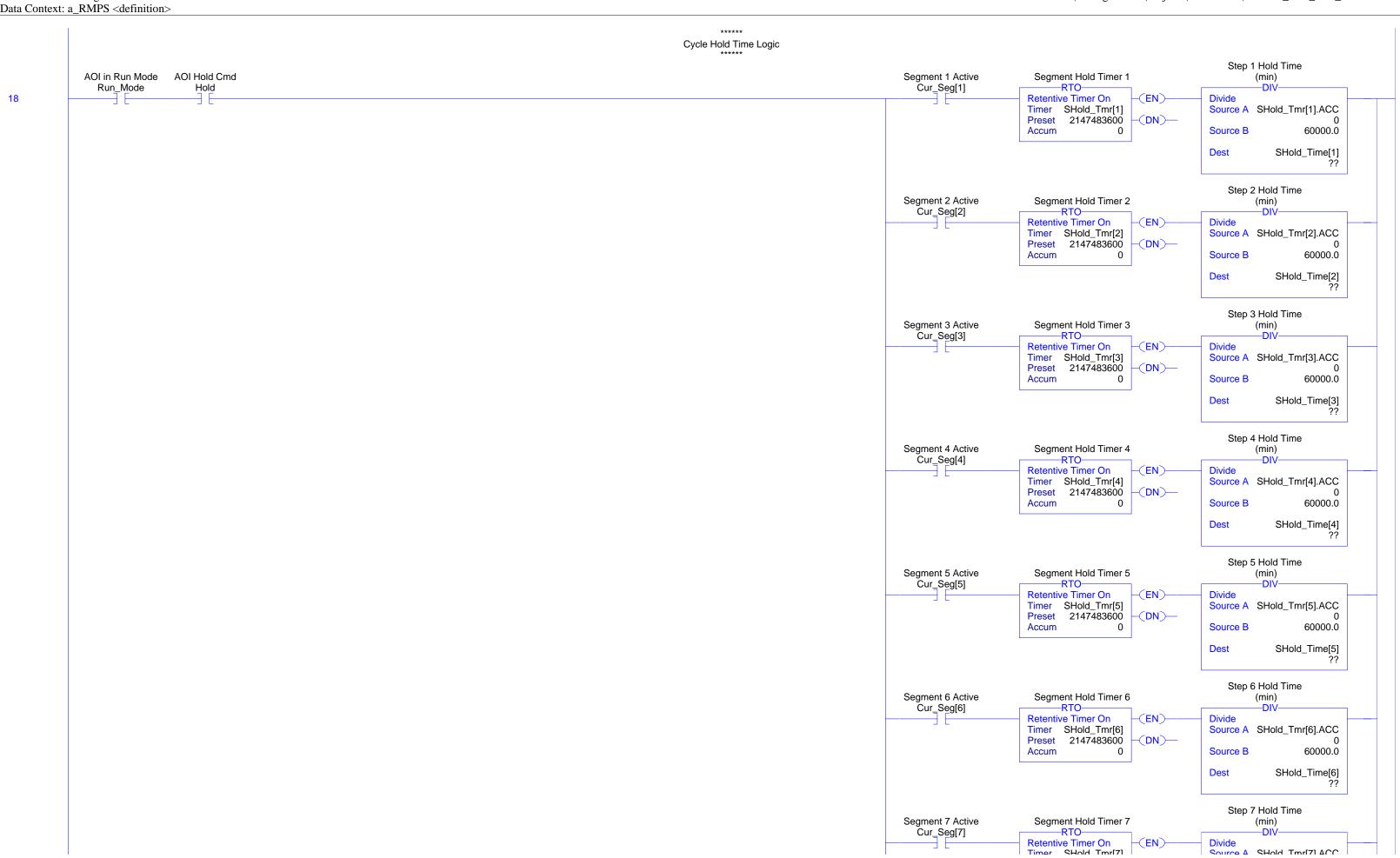






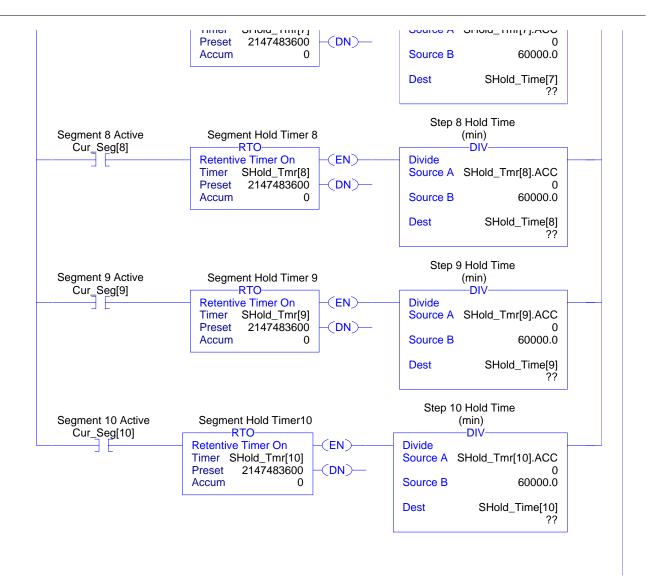
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Compact_AOI_Test:Add-On Instructions:a_RMPS:Logic

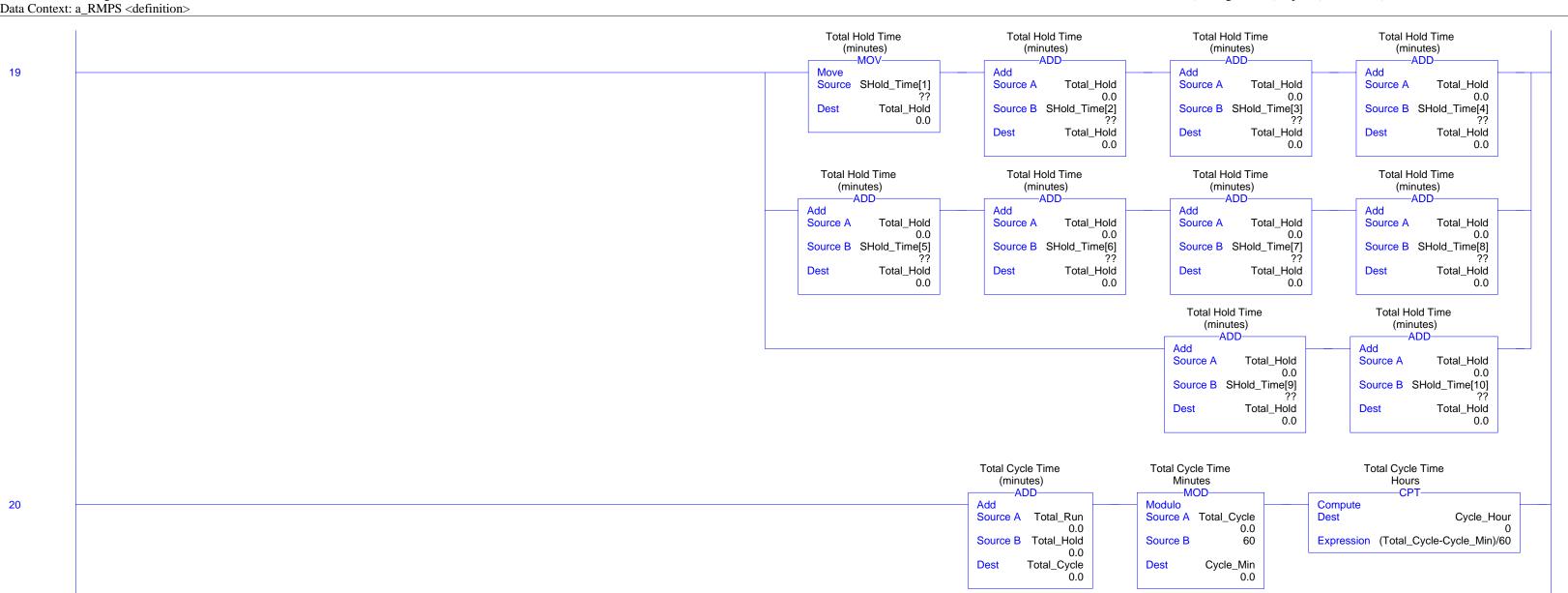
Total number of rungs in routine: 22
Data Context: a_RMPS <definition>



21

(End)

C:\RSLogix 5000\Projects\Bench Test\Random_AOI_Test_01042020.ACD



AOI First Scan Completed First_Scan

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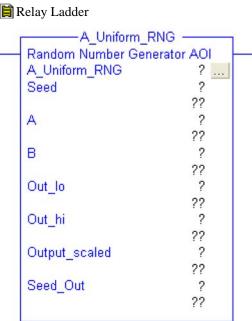
🛅 A_Uniform_RNG v1.0

Random Number Generator AOI

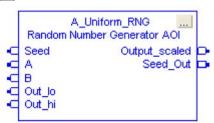
Uses Linear Congruential Generator (LCG)

- 1) Get Seed Number from either previous execution or default
- 2) Generate next Seed via LCG
- 4) Step #4 = Scale Seed to output range [Out_lo:out_hi)

Available Languages



🛂 Function Block



Structured Text

A_Uniform_RNG(Seed, A, B, Out_lo, Out_hi, Output_scaled, Seed_Out);

Parameters

Name	Data Type	Usage	Description
A_Uniform_RNG	A_Uniform_RNG	InOut	Random Number Generator AOI
			Uses Linear Congruential Generator (LCG)
			1) Get Seed Number from either previous execution or default
			2) Generate next Seed via LCG
			4) Step #4 = Scale Seed to output range [Out_lo:out_hi)
EnableIn	BOOL	Input	
EnableOut	BOOL	Output	
Seed	DINT	Input	LCG input seed; updated after each execution
A	DINT	Input	LCG multiplicative parameter A
		_	in $(Seed(n+1) = Seed(n) * A + C)$ MOD Modulus; default is from glibc implementation
В	DINT	Input	LCG additive parameter A
		_	in $Seed(n+1) = (Seed(n) * A + C) MOD Modulus; default PJC/BTC/WA value$
	A_Uniform_RNG EnableIn EnableOut Seed A	A_Uniform_RNG A_Uniform_RNG EnableIn BOOL EnableOut BOOL Seed DINT A DINT	A_Uniform_RNG A_Uniform_RNG InOut EnableIn BOOL Input EnableOut BOOL Output Seed DINT Input A DINT Input

A_Uniform_RNG - Instruction Definition Compact_AOI_Test:Add-On Instructions:A_Uniform_RNG

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Out_lo REAL Out_hi REAL

Input Output value when updated seed is 0
Input Output value for an updated seed of 2**31 (theoretical)
Output Value at each execution REAL

Output_scaled Seed_Out DINT Output LCG Calculation Seed Output

Extended Description

Execution

Condition Description

EnableIn is true

Revision v1.0 Notes

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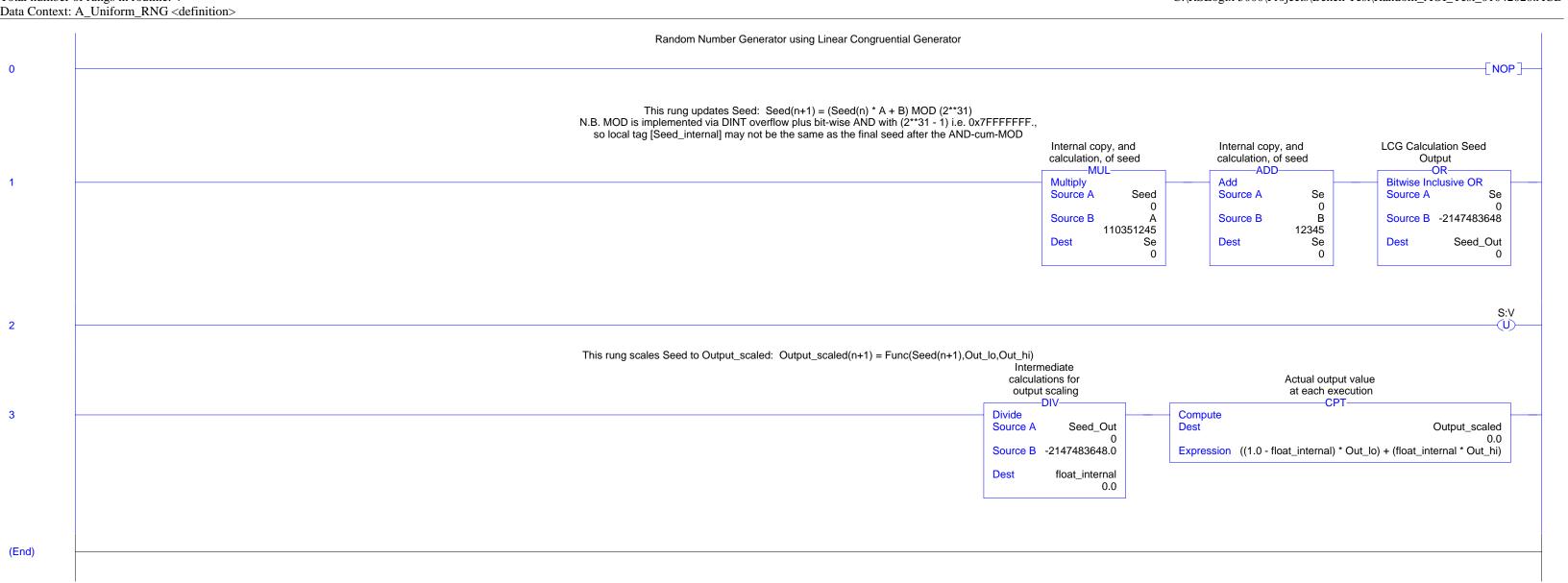
Data Type Size:	40 byte (s)
Data Context: A	Uniform	RNG < definition >

NT	D-f14	D. 4. T	S
Name	Default	Data Type	Scope
A	110351245	DINT	A_Uniform_RNG
LCG multiplicative parameter A in $(Seed(n+1) = Seed(n) * A + C) M$			
Usage:	Input Parameter		
Required:	Yes		
Visible:	Yes		
External Access:	Read/Write		
A - A_Uniform_RNG/Logic - 1(MUL)			
В	12345	DINT	A_Uniform_RNG
LCG additive parameter A in Seed($n+1$) = (Seed(n) * A + C) MOD N			
Usage:	Input Parameter		
Danier de			
Required:	Yes		
Visible:	Yes		
External Access:	Read/Write		
B - A_Uniform_RNG/Logic - 1(ADD)			
Output_scaled	0.0	REAL	A_Uniform_RNG
Actual output value at each execution	V.V		11_Cimoim_M1O
	O to t Promotor		
Usage:	Output Parameter		
Required:	Yes		
Visible:	Yes		
External Access:	Read Only		
Output_scaled - A_Uniform_RNG/Logic - *3(CPT)			
Output_seated = 11_Ontgotm_IAVO/LOgic = 5(O11)			
0.41	1.0	DEAL	A II 'C DNG
Out_hi	1.0	REAL	A_Uniform_RNG
Output value for an updated seed of 2**31 (theoretical)			
Usage:	Input Parameter		
Required:	Yes		
Visible:	Yes		
External Access:	Read/Write		
	Read/ Write		
Out_hi - A_Uniform_RNG/Logic - 3(CPT)			
Out_lo	0.0	REAL	A_Uniform_RNG
Output value when updated seed is 0			
Usage:	Input Parameter		
Required:	Yes		
Visible:	Yes		
External Access:	Read/Write		
External Access.	Reau/ Wille		
Out_lo - A_Uniform_RNG/Logic - 3(CPT)			
Seed	0	DINT	A_Uniform_RNG
LCG input seed; updated after each execution			
Usage:	Input Parameter		
Required:	Yes		
Visible:	Yes		
External Access:	Read/Write		
Seed - A_Uniform_RNG/Logic - 1(MUL)			
Seed_Out	0	DINT	A_Uniform_RNG
LCG Calculation Seed Output			_
Usage:	Output Parameter		
	Yes		
Required:			
Visible:	Yes		
External Access:	Read Only		
Seed_Out - A_Uniform_RNG/Logic - *1(OR), 3(DIV)			

Context: A_Uniform_RNG <definition>

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Name	Default	Data Type	Scope
float_internal Intermediate calculations for output scaling	0.0	REAL	A_Uniform_RNG
Usage:	Local Tag		
External Access:	None		
float_internal - A_Uniform_RNG/Logic - *3(DIV), 3(CPT)			
Se	0	DINT	A_Uniform_RNG
Internal copy, and calculation, of seed			
Usage:	Local Tag		
External Access:	None		
Se - A_Uniform_RNG/Logic - *1(ADD), *1(MUL), 1(ADD), 1(OR)			



Data type Name: A_Gauss_RNG

Description:

Size: 104 byte(s)

Name	Data Type	Style	Description	External Access
EnableIn	BOOL	Decimal	Enable Input - System Defined Parameter	Read Only
EnableOut	BOOL	Decimal	Enable Output - System Defined Parameter	Read Only
GNG_Out	REAL	Float	Gaussian-Distributed Random Number	Read Only

Data type Name: a_RMPS

Description: Ramp and Soak AOI

Size: 352 byte(s)

Name	Data Type	Style	Description	External Access
EnableIn	BOOL	Decimal	Enable Input - System Defined Parameter	Read Only
EnableOut	BOOL	Decimal	Enable Output - System Defined Parameter	Read Only
Run_Cmd	BOOL	Decimal	AOI Run Cmd	Read/Write
PV	REAL	Float	Scaled Analog Input (Real) to the AOI	Read/Write
Num_of_Seg	INT	Decimal	Number of Segments (Maximum = 10)	None
Hold	BOOL	Decimal	AOI Hold Cmd	Read/Write
Initialize	BOOL	Decimal	Initialize AOI Cmd (Reset Segment to 0)	Read/Write
SP_Out	REAL	Float	Setpoint Output (psig, deg F)	Read/Write
Current_Seg	INT	Decimal	Current Segment	None
STime_Left	REAL	Float	Current Segment Remaining Time (min)	Read Only
STime_Expired	REAL	Float	Current Segment Time Expired	Read Only
Total_Cycle	REAL	Float	Total Cycle Time (minutes)	Read Only
Total_Run	REAL	Float	Total Run Time (minutes)	Read Only
Total_Hold	REAL	Float	Total Hold Time (minutes)	Read Only
Cycle_Hour	DINT	Decimal	Total Cycle Time Hours	Read Only
Cycle_Min	REAL	Float	Total Cycle Time Minutes	Read Only
Run_Mode	BOOL	Decimal	AOI in Run Mode	Read Only
Done	BOOL	Decimal	AOI Done Bit	Read Only
Fault	BOOL	Decimal	AOI Faulted / Invalid Data	Read Only

Data type Name: A_Uniform_RNG

Description: Random Number Generator AOI

- Uses Linear Congruential Generator (LCG)

 1) Get Seed Number from either previous execution or default

 2) Generate next Seed via LCG

 4) Step #4 = Scale Seed to output range [Out_lo:out_hi)

Size: 40 byte(s)

Name	Data Type	Style	Description	External Access
EnableIn	BOOL	Decimal	Enable Input - System Defined Parameter	Read Only
EnableOut	BOOL	Decimal	Enable Output - System Defined Parameter	Read Only
Seed	DINT	Decimal	LCG input seed; updated after each execution	Read/Write
A	DINT	Decimal	LCG multiplicative parameter A in $(Seed(n+1) = Seed(n) * A + C)$ MOD Modulus; default is from glibc implementation	Read/Write
В	DINT	Decimal	$LCG \ additive \ parameter \ A \ \ in \ Seed(n+1) = (Seed(n) \ ^*A + C) \ MOD \ Modulus; \ default \ PJC/BTC/WA \ value$	Read/Write
Out_lo	REAL	Float	Output value when updated seed is 0	Read/Write
Out_hi	REAL	Float	Output value for an updated seed of 2**31 (theoretical)	Read/Write
Output_scaled	REAL	Float	Actual output value at each execution	Read Only
Seed_Out	DINT	Decimal	LCG Calculation Seed Output	Read Only

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Data type Name: STRING

Description:

Size: 88 byte(s)

Name	Data Type	Style	Description	External Access
LEN	DINT	Decimal		Read/Write
DATA	SINT[82]	ASCII		Read/Write

Description:

Size: 16 byte(s)

Name	Data Type	Style	Description	External Access
LEN	DINT	Decimal		Read/Write
DATA	SINT[12]	ASCII		Read/Write

Description:

Size: 20 byte(s)

Name	Data Type	Style	Description	External Access
LEN	DINT	Decimal		Read/Write
DATA	SINT[16]	ASCII		Read/Write

Description:

Size: 24 byte(s)

Name	Data Type	Style	Description	External Access
LEN	DINT	Decimal		Read/Write
DATA	SINT[20]	ASCII		Read/Write

Description:

Size: 44 byte(s)

Name	Data Type	Style	Description	External Access
LEN	DINT	Decimal		Read/Write
DATA	SINT[40]	ASCII		Read/Write

Slot:

Revision:

Module Fault: Use Unicast:

Allen-Bradley

2

1.1

n/a

Offline

1768 Bus : Local Modules Local: [1] 1768-ENBT/A Ethernet 1768-ENBT/A 1768 10/100 Mbps Ethernet Type: Parent: Local Vendor: BridgeBilawlisted-Pair Media Vendor ID: Slot: IP Address or Host Name: 192.168.1.200 Electronic Keying: Compatible Keying Revision: 4.5 Status: Standby Module Fault: Offline Inhibit Flag Off Local: [0] 1768-L45 Compact_AOI_Test Type: Vendor: 1768-L45 CompactLogix5345 Controller Parent: Local Vendor ID: Allen-Bradley Slot: Electronic Keying: Exact Match 20.19 Standby Revision: Status: Module Fault: Offline Inhibit Flag Off 1769 Bus : Local Modules **1** Local: [1] 1769-OA16/A DO_120V_S1 Type: 1769-OA16/A 16 Point 100V-240V AC Output Parent: Local Vendor: Allen-Bradley Vendor ID: Compatible Keying Slot: Electronic Keying: Standby Revision: 3.1 Status: Module Fault: Offline Off Inhibit Flag Use Unicast: n/a **Module Defined** Value **Data Type Configuration Tag** Local:1:C AB:1769_DO16:C:0 2#0000_0000_0000_0000 .Config INT .ProgToFaultEn BOOL.ProgMode 2#0000_0000_0000_0000 INT .ProgValue 2#0000_0000_0000_0000 INT 2#0000_0000_0000_0000 INT .FaultMode .FaultValue 2#0000_0000_0000_0000 INT **1** Local: [2] 1769-IA16/A DI_120VAC_S2 Type: Vendor: 1769-IA16/A 16 Point 120V AC Input Parent: Local

Vendor ID:

Inhibit Flag

Status:

Electronic Keying:

Compatible Keying Standby

Off

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