

Sr No.	TAG	TANK NO	ROSOV	SLAVE ID	READ ADDRESS	CLOSE	OPEN	REMOTE HMI FEEDBACK	CLOSE HMI COMMAND	FAIL TO CLOSE BIT	
1	TK_201A_ROSOV_STS	VF-201	201A	1	%RW6000	%MX5200	%MX5201	%MX5030	%MX5055	%MX5230	TK201A_REMOTE
2	TK_201B_ROSOV_STS		201B	2	%RW6001	%MX5202	%MX5203	%MX5031	%MX5056	%MX5231	TK201B_REMOTE
3	TK_202A_ROSOV_STS	VF-202	202A	3	%RW6002	%MX5204	%MX5205	%MX5032	%MX5057	%MX5232	TK202A_REMOTE
4	TK_202B_ROSOV_STS		202B	4	%RW6003	%MX5206	%MX5207	%MX5033	%MX5058	%MX5233	TK202B_REMOTE
5	TK_203A_ROSOV_STS	VF-203	203A	5	%RW6004	%MX5208	%MX5209	%MX5034	%MX5059	%MX5234	TK203A_REMOTE
6	TK_203B_ROSOV_STS		203B	6	%RW6005	%MX5210	%MX5211	%MX5035	%MX5060	%MX5235	TK203B_REMOTE
7	TK_204A_ROSOV_STS	VF-204	204A	7	%RW6006	%MX5212	%MX5213	%MX5036	%MX5061	%MX5236	TK204A_REMOTE
8	TK_204B_ROSOV_STS		204B	8	%RW6007	%MX5214	%MX5215	%MX5037	%MX5062	%MX5237	TK204B_REMOTE
9	TK_204C_ROSOV_STS		204C	9	%RW6008	%MX5216	%MX5217	%MX5038	%MX5063	%MX5238	TK204C_REMOTE
10	TK_205A_ROSOV_STS		205A	10	%RW6009	%MX5218	%MX5219	%MX5039	%MX5064	%MX5239	TK205A_REMOTE
11	TK_205B_ROSOV_STS	VF-205	205B	11	%RW6010	%MX5220	%MX5221	%MX5040	%MX5065	%MX5240	TK205B_REMOTE
12	TK_205C_ROSOV_STS		205C	12	%RW6011	%MX5222	%MX5223	%MX5041	%MX5066	%MX5241	TK205C_REMOTE
13	TK_206A_ROSOV_STS	VF-206	206A	13	%RW6012	%MX5224	%MX5225	%MX5042	%MX5067	%MX5242	TK206A_REMOTE
14	TK_206B_ROSOV_STS		206B	14	%RW6013	%MX5226	%MX5227	%MX5043	%MX5068	%MX5243	TK206B_REMOTE
15	TK_206C_ROSOV_STS		206C	15	%RW6014	%MX5228	%MX5229	%MX5044	%MX5069	%MX5244	TK206C_REMOTE

TRIGGER %MX5250  
 BIT USED %MX5251  
 FOR %MX5252  
 ROSOV %MX5253  
 %MX5254  
 %MX5255  
 %MX5256  
 %MX5257  
 %MX5258  
 %MX5259  
 %MX5260  
 %MX5261  
 %MX5262  
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 %MX5277  
 %MX5278  
 %MX5279

FALSE	0	Modbus TCP client	READ	_T1S	2. Continux BIT	1	TRUE	1	Number :1\nREAD1:0x10000,SAVE1:%MX6000,SIZE1:60\n
FALSE	0	Modbus TCP client	READ	_T1S	2. Continux BIT	1	TRUE	1	Number :1\nREAD1:0x10046,SAVE1:%MX6060,SIZE1:8\n
FALSE	0	Modbus TCP client	READ	_T1S	2. Continux BIT	1	TRUE	1	Number :1\nREAD1:0x10050,SAVE1:%MX6068,SIZE1:6\n
FALSE	0	Modbus TCP client	READ	_T1S	2. Continux BIT	1	TRUE	1	Number :1\nREAD1:0x1005A,SAVE1:%MX6074,SIZE1:2\n
FALSE	0	Modbus TCP client	READ	_T1S	2. Continux BIT	1	TRUE	1	Number :1\nREAD1:0x1005C,SAVE1:%MX6077,SIZE1:24\n
FALSE	0	Modbus TCP client	READ	_T1S	2. Continux BIT	1	TRUE	1	Number :1\nREAD1:0x10085,SAVE1:%MX6101,SIZE1:13\n
FALSE	0	Modbus TCP client	WRITE	_T1S	2. Continux BIT	1	TRUE	1	Number :1\nREAD1:%MX7500,SAVE1:0x00FA0,SIZE1:12\n
FALSE	0	Modbus TCP client	WRITE	_T1S	2. Continux BIT	1	TRUE	1	Number :1\nREAD1:%MX7512,SAVE1:0x00FB4,SIZE1:15\n
FALSE	0	Modbus TCP client	WRITE	_T1S	2. Continux BIT	1	TRUE	1	Number :1\nREAD1:%MX7527,SAVE1:0x00FC8,SIZE1:13\n
FALSE	0	Modbus TCP client	WRITE	_T1S	2. Continux BIT	1	TRUE	1	Number :1\nREAD1:%MX7540,SAVE1:0x00FD5,SIZE1:6\n
FALSE	0	Modbus TCP client	WRITE	_T1S	2. Continux BIT	1	TRUE	1	Number :1\nREAD1:%MX7546,SAVE1:0x00FDB,SIZE1:6\n



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	Data Type		Signal	Register bits	Scale	Offset	MODBUS Address-TK 01 R	CIU READ DATA IN PLC	SCADA ADDRESSES	QDB ADDRESSES		
TANK NO. 201	Product Level	LEVEL	32 bit float (reg swapped)	2	1	0	40001	%RW8001	%RD8000	16001		VF201_ VF201_LEVEL
	Product Temperature	PROD_TEMP	32 bit float (reg swapped)	2	1	0	40003	%RW8003	%RD8001	16003		VF201_ VF201_PROD_TEMP
	Water Level	WATER_LVL	32 bit float (reg swapped)	2	1	0	40005	%RW8005	%RD8002	16005		VF201_ VF201_WATER_LVL
	VapRoomTemp	VAP_TEMP	32 bit float (reg swapped)	2	1	0	40007	%RW8007	%RD8003	16007		VF201_ VF201_VAP_TEMP
	DOBs	DOB	32 bit float (reg swapped)	2	1	0	40009	%RW8009	%RD8004	16009		VF201_ VF201_DOB
	Water Vol	WATER_VOL	32 bit float (reg swapped)	2	1	0	40011	%RW8011	%RD8005	16011		VF201_ VF201_WATER_VOL
	AvailableRoom	AVAILABLE_ROOM	32 bit float (reg swapped)	2	1	0	40013	%RW8013	%RD8006	16013		VF201_ VF201_AVAILABLE_ROOM
	ProductID Ref	DENSITY15	32 bit float (reg swapped)	2	1	0	40015	%RW8015	%RD8007	16015		VF201_ VF201_DENSITY15
	GSV	GSV	32 bit float (reg swapped)	2	1	0	40017	%RW8017	%RD8008	16017		VF201_ VF201_GSV
	GOV	GOV	32 bit float (reg swapped)	2	1	0	40019	%RW8019	%RD8009	16019		VF201_ VF201_GOV
	TOV	TOV	32 bit float (reg swapped)	2	1	0	40021	%RW8021	%RD8010	16021		VF201_ VF201_TOV
	Flow TOV	FLOW_TOV	32 bit float (reg swapped)	2	1	0	40023	%RW8023	%RD8011	16023		VF201_ VF201_FLOW_TOV
	AvailableTOV	AVAILABLE_TOV	32 bit float (reg swapped)	2	1	0	40025	%RW8025	%RD8012	16025		VF201_ VF201_AVAILABLE_TOV
	MassLiq	MASS	32 bit float (reg swapped)	2	1	0	40027	%RW8027	%RD8013	16027		VF201_ VF201_MASS
	HotStandbyStatus		Not a Number	1	0	0	40029	%RW8029	%RD8014	16029		VF201_ VF201_
CommStatus		Not a Number	1	0	0	40030	%RW8030	%RD8015	16031		VF201_ VF201_	
GaugeStatus		Not a Number	1	0	0	40031	%RW8031	%RD8016	16033		VF201_ VF201_	
TANK NO. 202	Product Level	LEVEL	32 bit float (reg swapped)	2	1	0	40051	%RW8051	%RD8017	16035		
	Product Temperature	PROD_TEMP	32 bit float (reg swapped)	2	1	0	40053	%RW8053	%RD8018	16037		
	Water Level	WATER_LVL	32 bit float (reg swapped)	2	1	0	40055	%RW8055	%RD8019	16039		
	VapRoomTemp	VAP_TEMP	32 bit float (reg swapped)	2	1	0	40057	%RW8057	%RD8020	16041		
	DOBs	DOB	32 bit float (reg swapped)	2	1	0	40059	%RW8059	%RD8021	16043		
	Water Vol	WATER_VOL	32 bit float (reg swapped)	2	1	0	40061	%RW8061	%RD8022	16045		
	AvailableRoom	AVAILABLE_ROOM	32 bit float (reg swapped)	2	1	0	40063	%RW8063	%RD8023	16047		
	ProductID Ref	DENSITY15	32 bit float (reg swapped)	2	1	0	40065	%RW8065	%RD8024	16049		
	GSV	GSV	32 bit float (reg swapped)	2	1	0	40067	%RW8067	%RD8025	16051		
	GOV	GOV	32 bit float (reg swapped)	2	1	0	40069	%RW8069	%RD8026	16053		
	TOV	TOV	32 bit float (reg swapped)	2	1	0	40071	%RW8071	%RD8027	16055		
	Flow TOV	FLOW_TOV	32 bit float (reg swapped)	2	1	0	40073	%RW8073	%RD8028	16057		
	AvailableTOV	AVAILABLE_TOV	32 bit float (reg swapped)	2	1	0	40075	%RW8075	%RD8029	16059		
	MassLiq	MASS	32 bit float (reg swapped)	2	1	0	40077	%RW8077	%RD8030	16061		
	HotStandbyStatus		Not a Number	1	0	0	40079	%RW8079	%RD8031	16063		
CommStatus		Not a Number	1	0	0	40080	%RW8081	%RD8032	16065			
GaugeStatus		Not a Number	1	0	0	40081	%RW8083	%RD8033	16067			
TANK NO. 203	Product Level	LEVEL	32 bit float (reg swapped)	2	1	0	40101	%RW8101	%RD8034	16069		VF203_LEVEL
	Product Temperature	PROD_TEMP	32 bit float (reg swapped)	2	1	0	40103	%RW8103	%RD8035	16071		VF203_PROD_TEMP
	Water Level	WATER_LVL	32 bit float (reg swapped)	2	1	0	40105	%RW8105	%RD8036	16073		VF203_WATER_LVL
	VapRoomTemp	VAP_TEMP	32 bit float (reg swapped)	2	1	0	40107	%RW8107	%RD8037	16075		VF203_VAP_TEMP
	DOBs	DOB	32 bit float (reg swapped)	2	1	0	40109	%RW8109	%RD8038	16077		VF203_DOB
	Water Vol	WATER_VOL	32 bit float (reg swapped)	2	1	0	40111	%RW8111	%RD8039	16079		VF203_WATER_VOL
	AvailableRoom	AVAILABLE_ROOM	32 bit float (reg swapped)	2	1	0	40113	%RW8113	%RD8040	16081		VF203_AVAILABLE_ROOM
	ProductID Ref	DENSITY15	32 bit float (reg swapped)	2	1	0	40115	%RW8115	%RD8041	16083		VF203_DENSITY15
	GSV	GSV	32 bit float (reg swapped)	2	1	0	40117	%RW8117	%RD8042	16085		VF203_GSV
	GOV	GOV	32 bit float (reg swapped)	2	1	0	40119	%RW8119	%RD8043	16087		VF203_GOV
	TOV	TOV	32 bit float (reg swapped)	2	1	0	40121	%RW8121	%RD8044	16089		VF203_TOV
	Flow TOV	FLOW_TOV	32 bit float (reg swapped)	2	1	0	40123	%RW8123	%RD8045	16091		VF203_FLOW_TOV
	AvailableTOV	AVAILABLE_TOV	32 bit float (reg swapped)	2	1	0	40125	%RW8125	%RD8046	16093		VF203_AVAILABLE_TOV
	MassLiq	MASS	32 bit float (reg swapped)	2	1	0	40127	%RW8127	%RD8047	16095		VF203_MASS

DENSITY

NET\_VOLUME  
GROSS\_VOL

PUMPABLE

VF203\_LEVEL  
VF203\_PROD\_TEMP  
VF203\_WATER\_LVL  
VF203\_VAP\_TEMP

VF203\_DOB  
VF203\_WATER\_VOL  
VF203\_AVAILABLE\_ROOM  
VF203\_DENSITY15

VF203\_GSV  
VF203\_GOV  
VF203\_TOV  
VF203\_FLOW\_TOV  
VF203\_AVAILABLE\_TOV

VF203\_MASS

TANK NO. 204	HotStandbyStatus		Not a Number	1	0	0	40129	%RW8129	%RD8048	16097				
	CommStatus		Not a Number	1	0	0	40130	%RW8131	%RD8049	16099				
	GaugeStatus		Not a Number	1	0	0	40131	%RW8133	%RD8050	16101				
TANK NO. 204	Product Level	32 bit float (reg swapped)		2	1	0	40151	%RW8151	%RD8051	16103	VF204_LEVEL		16103	
	Product Temperature	32 bit float (reg swapped)		2	1	0	40153	%RW8153	%RD8052	16105	VF204_PROD_TEMP			
	Water Level	32 bit float (reg swapped)		2	1	0	40155	%RW8155	%RD8053	16107	VF204_WATER_LVL			
	VapRoomTemp	32 bit float (reg swapped)		2	1	0	40157	%RW8157	%RD8054	16109	VF204_VAP_TEMP			
	DOBs	32 bit float (reg swapped)		2	1	0	40159	%RW8159	%RD8055	16111	VF204_DOB	DENSITY		
	Water Vol	32 bit float (reg swapped)		2	1	0	40161	%RW8161	%RD8056	16113	VF204_WATER_VOL			
	AvailableRoom	32 bit float (reg swapped)		2	1	0	40163	%RW8163	%RD8057	16115	VF204_AVAILABLE_ROOM	ULLAGE		
	ProductID Ref	32 bit float (reg swapped)		2	1	0	40165	%RW8165	%RD8058	16117	VF204_DENSITY15			
	GSV	32 bit float (reg swapped)		2	1	0	40167	%RW8167	%RD8059	16119	VF204_GSV			
	GOV	32 bit float (reg swapped)		2	1	0	40169	%RW8169	%RD8060	16121	VF204_GOV	NET_VOLUME		
	TOV	32 bit float (reg swapped)		2	1	0	40171	%RW8171	%RD8061	16123	VF204_TOV	GROSS_VOL		
	Flow TOV	32 bit float (reg swapped)		2	1	0	40173	%RW8173	%RD8062	16125	VF204_FLOW_TOV			
	AvailableTOV	32 bit float (reg swapped)		2	1	0	40175	%RW8175	%RD8063	16127	VF204_AVAILABLE_TOV			
	MassLiq	32 bit float (reg swapped)		2	1	0	40177	%RW8177	%RD8064	16129	VF204_MASS			
	TANK NO. 204	HotStandbyStatus		Not a Number	1	0	0	40179	%RW8179	%RD8065	16131			
CommStatus			Not a Number	1	0	0	40180	%RW8181	%RD8066	16133				
GaugeStatus			Not a Number	1	0	0	40181	%RW8183	%RD8067	16135			40231	8233
TANK NO. 205	Product Level	32 bit float (reg swapped)		2	1	0	40201	%RW8201	%RD8068	16137	VF205_LEVEL		40232	8234
	Product Temperature	32 bit float (reg swapped)		2	1	0	40203	%RW8203	%RD8069	16139	VF205_PROD_TEMP		40233	8235
	Water Level	32 bit float (reg swapped)		2	1	0	40205	%RW8205	%RD8070	16141	VF205_WATER_LVL		40234	8236
	VapRoomTemp	32 bit float (reg swapped)		2	1	0	40207	%RW8207	%RD8071	16143	VF205_VAP_TEMP		40235	8237
	DOBs	32 bit float (reg swapped)		2	1	0	40209	%RW8209	%RD8072	16145	VF205_DOB	DENSITY	40236	8238
	Water Vol	32 bit float (reg swapped)		2	1	0	40211	%RW8211	%RD8073	16147	VF205_WATER_VOL		40237	8239
	AvailableRoom	32 bit float (reg swapped)		2	1	0	40213	%RW8213	%RD8074	16149	VF205_AVAILABLE_ROOM	ULLAGE	40238	8240
	ProductID Ref	32 bit float (reg swapped)		2	1	0	40215	%RW8215	%RD8075	16151	VF205_DENSITY15		40239	8241
	GSV	32 bit float (reg swapped)		2	1	0	40217	%RW8217	%RD8076	16153	VF205_GSV		40240	8242
	GOV	32 bit float (reg swapped)		2	1	0	40219	%RW8219	%RD8077	16155	VF205_GOV	NET_VOLUME	40241	8243
	TOV	32 bit float (reg swapped)		2	1	0	40221	%RW8221	%RD8078	16157	VF205_TOV	GROSS_VOL	40242	8244
	Flow TOV	32 bit float (reg swapped)		2	1	0	40223	%RW8223	%RD8079	16159	VF205_FLOW_TOV		40243	8245
	AvailableTOV	32 bit float (reg swapped)		2	1	0	40225	%RW8225	%RD8080	16161	VF205_AVAILABLE_TOV		40244	8246
	MassLiq	32 bit float (reg swapped)		2	1	0	40227	%RW8227	%RD8081	16163	VF205_MASS		40245	8247
	TANK NO. 205	HotStandbyStatus		Not a Number	1	0	0	40229	%RW8229	%RD8082	16165			40246
CommStatus			Not a Number	1	0	0	40230	%RW8231	%RD8083	16167			40247	8249
GaugeStatus			Not a Number	1	0	0	40231	%RW8233	%RD8084	16169			40248	8250
TANK NO. 206	Product Level	32 bit float (reg swapped)		2	1	0	40251	%RW8251	%RD8085	16171	VF206_LEVEL		40249	8251
	Product Temperature	32 bit float (reg swapped)		2	1	0	40253	%RW8253	%RD8086	16173	VF206_PROD_TEMP		40250	8252
	Water Level	32 bit float (reg swapped)		2	1	0	40255	%RW8255	%RD8087	16175	VF206_WATER_LVL		40251	8253
	VapRoomTemp	32 bit float (reg swapped)		2	1	0	40257	%RW8257	%RD8088	16177	VF206_VAP_TEMP		40252	8254
	DOBs	32 bit float (reg swapped)		2	1	0	40259	%RW8259	%RD8089	16179	VF206_DOB	DENSITY	40253	8255
	Water Vol	32 bit float (reg swapped)		2	1	0	40261	%RW8261	%RD8090	16181	VF206_WATER_VOL			
	AvailableRoom	32 bit float (reg swapped)		2	1	0	40263	%RW8263	%RD8091	16183	VF206_AVAILABLE_ROOM	ULLAGE		
	ProductID Ref	32 bit float (reg swapped)		2	1	0	40265	%RW8265	%RD8092	16185	VF206_DENSITY15			
	GSV	32 bit float (reg swapped)		2	1	0	40267	%RW8267	%RD8093	16187	VF206_GSV			
	GOV	32 bit float (reg swapped)		2	1	0	40269	%RW8269	%RD8094	16189	VF206_GOV	NET_VOLUME		
	TOV	32 bit float (reg swapped)		2	1	0	40271	%RW8271	%RD8095	16191	VF206_TOV	GROSS_VOL		
	Flow TOV	32 bit float (reg swapped)		2	1	0	40273	%RW8273	%RD8096	16193	VF206_FLOW_TOV			
	AvailableTOV	32 bit float (reg swapped)		2	1	0	40275	%RW8275	%RD8097	16195	VF206_AVAILABLE_TOV			
	MassLiq	32 bit float (reg swapped)		2	1	0	40277	%RW8277	%RD8098	16197	VF206_MASS			

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	HotStandbyStatus		Not a Number	1	0	0	40279	%RW8279	%RD8099	16199	
	CommStatus		Not a Number	1	0	0	40280	%RW8281	%RD8100	16201	
	GaugeStatus		Not a Number	1	0	0	40281	%RW8283	%RD8101	16203	
Servo Level	Product Level	32 bit float (reg swapped)		2	1	0	40300	%RW8285	%RD8102	16205	VF201_SERVO_LVL
	Product Level	32 bit float (reg swapped)		2	1	0	40350	%RW8287	%RD8103	16207	VF202_SERVO_LVL
	Product Level	32 bit float (reg swapped)		2	1	0	40400	%RW8289	%RD8104	16209	VF203_SERVO_LVL
	Product Level	32 bit float (reg swapped)		2	1	0	40450	%RW8291	%RD8105	16211	VF204_SERVO_LVL
	Product Level	32 bit float (reg swapped)		2	1	0	40500	%RW8293	%RD8106	16213	VF205_SERVO_LVL
	Product Level	32 bit float (reg swapped)		2	1	0	40550	%RW8295	%RD8107	16215	VF206_SERVO_LVL

VAR_EXTERNAL	FT501	REAL	%RD1	0	1	0	0	FLOW TRANSMITTER-MASS
VAR_EXTERNAL	SPARE1	REAL	%RD2	0	1	0	0	SPARE
VAR_EXTERNAL	DPT301	REAL	%RD3	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPT302	REAL	%RD4	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPT303	REAL	%RD5	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPT304	REAL	%RD6	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPT305	REAL	%RD7	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	PT401	REAL	%RD8	0	1	0	0	PRESSURE TRANSMITTER
VAR_EXTERNAL	FT401	REAL	%RD9	0	1	0	0	FLOW TRANSMITTER
VAR_EXTERNAL	PT402	REAL	%RD10	0	1	0	0	PRESSURE TRANSMITTER
VAR_EXTERNAL	FT402	REAL	%RD11	0	1	0	0	FLOW TRANSMITTER
VAR_EXTERNAL	LTVF_201A	REAL	%RD12	0	1	0	0	LEVEL TRANSMITTER VF-201
VAR_EXTERNAL	LTVF_202A	REAL	%RD13	0	1	0	0	LEVEL TRANSMITTER VF-202
VAR_EXTERNAL	SPARE4	REAL	%RD14	0	1	0	0	SPARE
VAR_EXTERNAL	DPT306	REAL	%RD15	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPT307	REAL	%RD16	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPT308	REAL	%RD17	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPT309	REAL	%RD18	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPT310	REAL	%RD19	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPT300A	REAL	%RD20	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPT300B	REAL	%RD21	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	TT2001	REAL	%RD22	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER
VAR_EXTERNAL	LTVF_203A	REAL	%RD23	0	1	0	0	LEVEL TRANSMITTER VF-203
VAR_EXTERNAL	LTVF_204A	REAL	%RD24	0	1	0	0	LEVEL TRANSMITTER VF-204
VAR_EXTERNAL	SPARE7	REAL	%RD25	0	1	0	0	SPARE
VAR_EXTERNAL	SPARE8	REAL	%RD26	0	1	0	0	SPARE
VAR_EXTERNAL	DPT311	REAL	%RD27	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPT312	REAL	%RD28	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPT313	REAL	%RD29	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPT314	REAL	%RD30	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPTMF11	REAL	%RD31	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPTMF12	REAL	%RD32	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPTMF13	REAL	%RD33	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	DPTMF14	REAL	%RD34	0	1	0	0	DIFF. PRESSURE TRANSMITTER
VAR_EXTERNAL	LTVF_205A	REAL	%RD35	0	1	0	0	LEVEL TRANSMITTER VF-205
VAR_EXTERNAL	LTVF_206A	REAL	%RD36	0	1	0	0	LEVEL TRANSMITTER VF-206
VAR_EXTERNAL	SPARE11	REAL	%RD37	0	1	0	0	SPARE
VAR_EXTERNAL	SPARE12	REAL	%RD38	0	1	0	0	SPARE
VAR_EXTERNAL	LTT1	REAL	%RD39	0	1	0	0	LEVEL TRANSMITTER
VAR_EXTERNAL	LTT2	REAL	%RD40	0	1	0	0	LEVEL TRANSMITTER
VAR_EXTERNAL	SPARE13	REAL	%RD41	0	1	0	0	SPARE
VAR_EXTERNAL	SPARE14	REAL	%RD42	0	1	0	0	SPARE
VAR_EXTERNAL	SPARE15	REAL	%RD43	0	1	0	0	SPARE
VAR_EXTERNAL	SPARE16	REAL	%RD44	0	1	0	0	SPARE
VAR_EXTERNAL	LTHSD1	REAL	%RD45	0	1	0	0	LEVEL TRANSMITTER
VAR_EXTERNAL	LTT211	REAL	%RD46	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR
VAR_EXTERNAL	LTT212	REAL	%RD47	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR



VAR_EXTERNAL	LTT213	REAL	%RD48	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR
VAR_EXTERNAL	PF301_VFD_SIS	REAL	%RD49	0	1	0	0	TRANSFER PUMP PF301 VFD SPEED INDICATION SIGNAL
VAR_EXTERNAL	PF302_VFD_SIS	REAL	%RD50	0	1	0	0	TRANSFER PUMP PF302 VFD SPEED INDICATION SIGNAL
VAR_EXTERNAL	PF303_VFD_SIS	REAL	%RD51	0	1	0	0	TRANSFER PUMP PF303 VFD SPEED INDICATION SIGNAL
VAR_EXTERNAL	PF304_VFD_SIS	REAL	%RD52	0	1	0	0	TRANSFER PUMP PF304 VFD SPEED INDICATION SIGNAL
VAR_EXTERNAL	PF305_VFD_SIS	REAL	%RD53	0	1	0	0	TRANSFER PUMP PF305 VFD SPEED INDICATION SIGNAL
VAR_EXTERNAL	PF306_VFD_SIS	REAL	%RD54	0	1	0	0	TRANSFER PUMP PF306 VFD SPEED INDICATION SIGNAL
VAR_EXTERNAL	PF307_VFD_SIS	REAL	%RD55	0	1	0	0	TRANSFER PUMP PF307 VFD SPEED INDICATION SIGNAL
VAR_EXTERNAL	PF308_VFD_SIS	REAL	%RD56	0	1	0	0	TRANSFER PUMP PF308 VFD SPEED INDICATION SIGNAL
VAR_EXTERNAL	PF309_VFD_SIS	REAL	%RD57	0	1	0	0	TRANSFER PUMP PF309 VFD SPEED INDICATION SIGNAL
VAR_EXTERNAL	PF310_VFD_SIS	REAL	%RD58	0	1	0	0	TRANSFER PUMP PF310 VFD SPEED INDICATION SIGNAL
VAR_EXTERNAL	SPARE17	REAL	%RD59	0	1	0	0	SPARE
VAR_EXTERNAL	SPARE18	REAL	%RD60	0	1	0	0	SPARE
VAR_EXTERNAL	SPARE19	REAL	%RD61	0	1	0	0	SPARE
VAR_EXTERNAL	SPARE20	REAL	%RD62	0	1	0	0	SPARE
VAR_EXTERNAL	SPARE21	REAL	%RD63	0	1	0	0	SPARE
VAR_EXTERNAL	SPARE22	REAL	%RD64	0	1	0	0	SPARE

VAR	FT501_Db	REAL	%RD65	0	1	0	0	FLOW TRANSMITTER-MASS Deadband
VAR	SPARE1_Db	REAL	%RD73	0	1	0	0	SPARE Deadband
VAR	DPT301_Db	REAL	%RD81	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPT302_Db	REAL	%RD89	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPT303_Db	REAL	%RD97	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPT304_Db	REAL	%RD105	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPT305_Db	REAL	%RD113	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	PT401_Db	REAL	%RD121	0	1	0	0	PRESSURE TRANSMITTER Deadband
VAR	FT401_Db	REAL	%RD129	0	1	0	0	FLOW TRANSMITTER Deadband
VAR	PT402_Db	REAL	%RD137	0	1	0	0	PRESSURE TRANSMITTER Deadband
VAR	FT402_Db	REAL	%RD145	0	1	0	0	FLOW TRANSMITTER Deadband
VAR	LTVF_201A_Db	REAL	%RD153	0	1	0	0	LEVEL TRANSMITTER VF-201 Deadband
VAR	LTVF_202A_Db	REAL	%RD161	0	1	0	0	LEVEL TRANSMITTER VF-202 Deadband
VAR	SPARE4_Db	REAL	%RD169	0	1	0	0	SPARE Deadband
VAR	DPT306_Db	REAL	%RD177	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPT307_Db	REAL	%RD185	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPT308_Db	REAL	%RD193	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPT309_Db	REAL	%RD201	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPT310_Db	REAL	%RD209	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPT300A_Db	REAL	%RD217	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPT300B_Db	REAL	%RD225	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	TT2001_Db	REAL	%RD233	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER Deadband
VAR	LTVF_203A_Db	REAL	%RD241	0	1	0	0	LEVEL TRANSMITTER VF-203 Deadband
VAR	LTVF_204A_Db	REAL	%RD249	0	1	0	0	LEVEL TRANSMITTER VF-204 Deadband
VAR	SPARE7_Db	REAL	%RD257	0	1	0	0	SPARE Deadband
VAR	SPARE8_Db	REAL	%RD265	0	1	0	0	SPARE Deadband
VAR	DPT311_Db	REAL	%RD273	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPT312_Db	REAL	%RD281	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPT313_Db	REAL	%RD289	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband

VAR	DPT314_Db	REAL	%RD297	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPTMF11_Db	REAL	%RD305	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPTMF12_Db	REAL	%RD313	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPTMF13_Db	REAL	%RD321	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	DPTMF14_Db	REAL	%RD329	0	1	0	0	DIFF. PRESSURE TRANSMITTER Deadband
VAR	LTVF_205A_Db	REAL	%RD337	0	1	0	0	LEVEL TRANSMITTER VF-205 Deadband
VAR	LTVF_206A_Db	REAL	%RD345	0	1	0	0	LEVEL TRANSMITTER VF-206 Deadband
VAR	SPARE11_Db	REAL	%RD353	0	1	0	0	SPARE Deadband
VAR	SPARE12_Db	REAL	%RD361	0	1	0	0	SPARE Deadband
VAR	LTT1_Db	REAL	%RD369	0	1	0	0	LEVEL TRANSMITTER Deadband
VAR	LTT2_Db	REAL	%RD377	0	1	0	0	LEVEL TRANSMITTER Deadband
VAR	SPARE13_Db	REAL	%RD385	0	1	0	0	SPARE Deadband
VAR	SPARE14_Db	REAL	%RD393	0	1	0	0	SPARE Deadband
VAR	SPARE15_Db	REAL	%RD401	0	1	0	0	SPARE Deadband
VAR	SPARE16_Db	REAL	%RD409	0	1	0	0	SPARE Deadband
VAR	LTHSD1_Db	REAL	%RD417	0	1	0	0	LEVEL TRANSMITTER Deadband
VAR	LTT211_Db	REAL	%RD425	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Deadband
VAR	LTT212_Db	REAL	%RD433	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Deadband
VAR	LTT213_Db	REAL	%RD441	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Deadband
VAR	PF301_VFD_SIS_Db	REAL	%RD449	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL Deadband
VAR	PF302_VFD_SIS_Db	REAL	%RD457	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL Deadband
VAR	PF303_VFD_SIS_Db	REAL	%RD465	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL Deadband
VAR	PF304_VFD_SIS_Db	REAL	%RD473	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL Deadband
VAR	PF305_VFD_SIS_Db	REAL	%RD481	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL Deadband
VAR	PF306_VFD_SIS_Db	REAL	%RD489	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL Deadband
VAR	PF307_VFD_SIS_Db	REAL	%RD497	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL Deadband
VAR	PF308_VFD_SIS_Db	REAL	%RD505	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL Deadband
VAR	PF309_VFD_SIS_Db	REAL	%RD513	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL Deadband
VAR	PF310_VFD_SIS_Db	REAL	%RD521	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL Deadband
VAR	SPARE17_Db	REAL	%RD529	0	1	0	0	SPARE Deadband
VAR	SPARE18_Db	REAL	%RD537	0	1	0	0	SPARE Deadband
VAR	SPARE19_Db	REAL	%RD545	0	1	0	0	SPARE Deadband
VAR	SPARE20_Db	REAL	%RD553	0	1	0	0	SPARE Deadband
VAR	SPARE21_Db	REAL	%RD561	0	1	0	0	SPARE Deadband
VAR	SPARE22_Db	REAL	%RD569	0	1	0	0	SPARE Deadband
VAR	FT501_HHSP	REAL	%RD66	0	1	0	0	FLOW TRANSMITTER-MASS High High Setpoint
VAR	SPARE1_HHSP	REAL	%RD74	0	1	0	0	SPARE High High Setpoint
VAR	DPT301_HHSP	REAL	%RD82	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPT302_HHSP	REAL	%RD90	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPT303_HHSP	REAL	%RD98	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPT304_HHSP	REAL	%RD106	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPT305_HHSP	REAL	%RD114	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	PT401_HHSP	REAL	%RD122	0	1	0	0	PRESSURE TRANSMITTER High High Setpoint
VAR	FT401_HHSP	REAL	%RD130	0	1	0	0	FLOW TRANSMITTER High High Setpoint
VAR	PT402_HHSP	REAL	%RD138	0	1	0	0	PRESSURE TRANSMITTER High High Setpoint
VAR	FT402_HHSP	REAL	%RD146	0	1	0	0	FLOW TRANSMITTER High High Setpoint

VAR	LTVF_201A_HHSP	REAL	%RD154	0	1	0	0	LEVEL TRANSMITTER VF-201 High High Setpoint
VAR	LTVF_202A_HHSP	REAL	%RD162	0	1	0	0	LEVEL TRANSMITTER VF-202 High High Setpoint
VAR	SPARE4_HHSP	REAL	%RD170	0	1	0	0	SPARE High High Setpoint
VAR	DPT306_HHSP	REAL	%RD178	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPT307_HHSP	REAL	%RD186	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPT308_HHSP	REAL	%RD194	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPT309_HHSP	REAL	%RD202	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPT310_HHSP	REAL	%RD210	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPT300A_HHSP	REAL	%RD218	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPT300B_HHSP	REAL	%RD226	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	TT2001_HHSP	REAL	%RD234	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER High High Setpoint
VAR	LTVF_203A_HHSP	REAL	%RD242	0	1	0	0	LEVEL TRANSMITTER VF-203 High High Setpoint
VAR	LTVF_204A_HHSP	REAL	%RD250	0	1	0	0	LEVEL TRANSMITTER VF-204 High High Setpoint
VAR	SPARE7_HHSP	REAL	%RD258	0	1	0	0	SPARE High High Setpoint
VAR	SPARE8_HHSP	REAL	%RD266	0	1	0	0	SPARE High High Setpoint
VAR	DPT311_HHSP	REAL	%RD274	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPT312_HHSP	REAL	%RD282	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPT313_HHSP	REAL	%RD290	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPT314_HHSP	REAL	%RD298	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPTMF11_HHSP	REAL	%RD306	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPTMF12_HHSP	REAL	%RD314	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPTMF13_HHSP	REAL	%RD322	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	DPTMF14_HHSP	REAL	%RD330	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Setpoint
VAR	LTVF_205A_HHSP	REAL	%RD338	0	1	0	0	LEVEL TRANSMITTER VF-205 High High Setpoint
VAR	LTVF_206A_HHSP	REAL	%RD346	0	1	0	0	LEVEL TRANSMITTER VF-206 High High Setpoint
VAR	SPARE11_HHSP	REAL	%RD354	0	1	0	0	SPARE High High Setpoint
VAR	SPARE12_HHSP	REAL	%RD362	0	1	0	0	SPARE High High Setpoint
VAR	LTT1_HHSP	REAL	%RD370	0	1	0	0	LEVEL TRANSMITTER High High Setpoint
VAR	LTT2_HHSP	REAL	%RD378	0	1	0	0	LEVEL TRANSMITTER High High Setpoint
VAR	SPARE13_HHSP	REAL	%RD386	0	1	0	0	SPARE High High Setpoint
VAR	SPARE14_HHSP	REAL	%RD394	0	1	0	0	SPARE High High Setpoint
VAR	SPARE15_HHSP	REAL	%RD402	0	1	0	0	SPARE High High Setpoint
VAR	SPARE16_HHSP	REAL	%RD410	0	1	0	0	SPARE High High Setpoint
VAR	LTHSD1_HHSP	REAL	%RD418	0	1	0	0	LEVEL TRANSMITTER High High Setpoint
VAR	LTT211_HHSP	REAL	%RD426	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR High High Setpoint
VAR	LTT212_HHSP	REAL	%RD434	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR High High Setpoint
VAR	LTT213_HHSP	REAL	%RD442	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR High High Setpoint
VAR	PF301_VFD_SIS_HHSP	REAL	%RD450	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL High High Setpoint
VAR	PF302_VFD_SIS_HHSP	REAL	%RD458	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL High High Setpoint
VAR	PF303_VFD_SIS_HHSP	REAL	%RD466	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL High High Setpoint
VAR	PF304_VFD_SIS_HHSP	REAL	%RD474	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL High High Setpoint
VAR	PF305_VFD_SIS_HHSP	REAL	%RD482	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL High High Setpoint
VAR	PF306_VFD_SIS_HHSP	REAL	%RD490	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL High High Setpoint
VAR	PF307_VFD_SIS_HHSP	REAL	%RD498	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL High High Setpoint
VAR	PF308_VFD_SIS_HHSP	REAL	%RD506	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL High High Setpoint
VAR	PF309_VFD_SIS_HHSP	REAL	%RD514	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL High High Setpoint
VAR	PF310_VFD_SIS_HHSP	REAL	%RD522	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL High High Setpoint

VAR	SPARE17_HHSP	REAL	%RD530	0	1	0	0	SPARE High High Setpoint
VAR	SPARE18_HHSP	REAL	%RD538	0	1	0	0	SPARE High High Setpoint
VAR	SPARE19_HHSP	REAL	%RD546	0	1	0	0	SPARE High High Setpoint
VAR	SPARE20_HHSP	REAL	%RD554	0	1	0	0	SPARE High High Setpoint
VAR	SPARE21_HHSP	REAL	%RD562	0	1	0	0	SPARE High High Setpoint
VAR	SPARE22_HHSP	REAL	%RD570	0	1	0	0	SPARE High High Setpoint
VAR	FT501_HSP	REAL	%RD67	0	1	0	0	FLOW TRANSMITTER-MASS High Setpoint
VAR	SPARE1_HSP	REAL	%RD75	0	1	0	0	SPARE High Setpoint
VAR	DPT301_HSP	REAL	%RD83	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPT302_HSP	REAL	%RD91	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPT303_HSP	REAL	%RD99	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPT304_HSP	REAL	%RD107	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPT305_HSP	REAL	%RD115	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	PT401_HSP	REAL	%RD123	0	1	0	0	PRESSURE TRANSMITTER High Setpoint
VAR	FT401_HSP	REAL	%RD131	0	1	0	0	FLOW TRANSMITTER High Setpoint
VAR	PT402_HSP	REAL	%RD139	0	1	0	0	PRESSURE TRANSMITTER High Setpoint
VAR	FT402_HSP	REAL	%RD147	0	1	0	0	FLOW TRANSMITTER High Setpoint
VAR	LTVF_201A_HSP	REAL	%RD155	0	1	0	0	LEVEL TRANSMITTER VF-201 High Setpoint
VAR	LTVF_202A_HSP	REAL	%RD163	0	1	0	0	LEVEL TRANSMITTER VF-202 High Setpoint
VAR	SPARE4_HSP	REAL	%RD171	0	1	0	0	SPARE High Setpoint
VAR	DPT306_HSP	REAL	%RD179	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPT307_HSP	REAL	%RD187	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPT308_HSP	REAL	%RD195	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPT309_HSP	REAL	%RD203	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPT310_HSP	REAL	%RD211	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPT300A_HSP	REAL	%RD219	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPT300B_HSP	REAL	%RD227	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	TT2001_HSP	REAL	%RD235	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER High Setpoint
VAR	LTVF_203A_HSP	REAL	%RD243	0	1	0	0	LEVEL TRANSMITTER VF-203 High Setpoint
VAR	LTVF_204A_HSP	REAL	%RD251	0	1	0	0	LEVEL TRANSMITTER VF-204 High Setpoint
VAR	SPARE7_HSP	REAL	%RD259	0	1	0	0	SPARE High Setpoint
VAR	SPARE8_HSP	REAL	%RD267	0	1	0	0	SPARE High Setpoint
VAR	DPT311_HSP	REAL	%RD275	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPT312_HSP	REAL	%RD283	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPT313_HSP	REAL	%RD291	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPT314_HSP	REAL	%RD299	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPTMF11_HSP	REAL	%RD307	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPTMF12_HSP	REAL	%RD315	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPTMF13_HSP	REAL	%RD323	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	DPTMF14_HSP	REAL	%RD331	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Setpoint
VAR	LTVF_205A_HSP	REAL	%RD339	0	1	0	0	LEVEL TRANSMITTER VF-205 High Setpoint
VAR	LTVF_206A_HSP	REAL	%RD347	0	1	0	0	LEVEL TRANSMITTER VF-206 High Setpoint
VAR	SPARE11_HSP	REAL	%RD355	0	1	0	0	SPARE High Setpoint
VAR	SPARE12_HSP	REAL	%RD363	0	1	0	0	SPARE High Setpoint
VAR	LTT1_HSP	REAL	%RD371	0	1	0	0	LEVEL TRANSMITTER High Setpoint
VAR	LTT2_HSP	REAL	%RD379	0	1	0	0	LEVEL TRANSMITTER High Setpoint

VAR	SPARE13_HSP	REAL	%RD387	0	1	0	0	SPARE High Setpoint
VAR	SPARE14_HSP	REAL	%RD395	0	1	0	0	SPARE High Setpoint
VAR	SPARE15_HSP	REAL	%RD403	0	1	0	0	SPARE High Setpoint
VAR	SPARE16_HSP	REAL	%RD411	0	1	0	0	SPARE High Setpoint
VAR	LTHSD1_HSP	REAL	%RD419	0	1	0	0	LEVEL TRANSMITTER High Setpoint
VAR	LTT211_HSP	REAL	%RD427	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR High Setpoint
VAR	LTT212_HSP	REAL	%RD435	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR High Setpoint
VAR	LTT213_HSP	REAL	%RD443	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR High Setpoint
VAR	PF301_VFD_SIS_HSP	REAL	%RD451	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL High Setpoint
VAR	PF302_VFD_SIS_HSP	REAL	%RD459	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL High Setpoint
VAR	PF303_VFD_SIS_HSP	REAL	%RD467	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL High Setpoint
VAR	PF304_VFD_SIS_HSP	REAL	%RD475	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL High Setpoint
VAR	PF305_VFD_SIS_HSP	REAL	%RD483	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL High Setpoint
VAR	PF306_VFD_SIS_HSP	REAL	%RD491	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL High Setpoint
VAR	PF307_VFD_SIS_HSP	REAL	%RD499	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL High Setpoint
VAR	PF308_VFD_SIS_HSP	REAL	%RD507	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL High Setpoint
VAR	PF309_VFD_SIS_HSP	REAL	%RD515	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL High Setpoint
VAR	PF310_VFD_SIS_HSP	REAL	%RD523	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL High Setpoint
VAR	SPARE17_HSP	REAL	%RD531	0	1	0	0	SPARE High Setpoint
VAR	SPARE18_HSP	REAL	%RD539	0	1	0	0	SPARE High Setpoint
VAR	SPARE19_HSP	REAL	%RD547	0	1	0	0	SPARE High Setpoint
VAR	SPARE20_HSP	REAL	%RD555	0	1	0	0	SPARE High Setpoint
VAR	SPARE21_HSP	REAL	%RD563	0	1	0	0	SPARE High Setpoint
VAR	SPARE22_HSP	REAL	%RD571	0	1	0	0	SPARE High Setpoint

VAR	FT501_LLSP	REAL	%RD68	0	1	0	0	FLOW TRANSMITTER-MASS Low Low Setpoint
VAR	SPARE1_LLSP	REAL	%RD76	0	1	0	0	SPARE Low Low Setpoint
VAR	DPT301_LLSP	REAL	%RD84	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPT302_LLSP	REAL	%RD92	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPT303_LLSP	REAL	%RD100	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPT304_LLSP	REAL	%RD108	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPT305_LLSP	REAL	%RD116	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	PT401_LLSP	REAL	%RD124	0	1	0	0	PRESSURE TRANSMITTER Low Low Setpoint
VAR	FT401_LLSP	REAL	%RD132	0	1	0	0	FLOW TRANSMITTER Low Low Setpoint
VAR	PT402_LLSP	REAL	%RD140	0	1	0	0	PRESSURE TRANSMITTER Low Low Setpoint
VAR	FT402_LLSP	REAL	%RD148	0	1	0	0	FLOW TRANSMITTER Low Low Setpoint
VAR	LTVF_201A_LLSP	REAL	%RD156	0	1	0	0	LEVEL TRANSMITTER VF-201 Low Low Setpoint
VAR	LTVF_202A_LLSP	REAL	%RD164	0	1	0	0	LEVEL TRANSMITTER VF-202 Low Low Setpoint
VAR	SPARE4_LLSP	REAL	%RD172	0	1	0	0	SPARE Low Low Setpoint
VAR	DPT306_LLSP	REAL	%RD180	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPT307_LLSP	REAL	%RD188	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPT308_LLSP	REAL	%RD196	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPT309_LLSP	REAL	%RD204	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPT310_LLSP	REAL	%RD212	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPT300A_LLSP	REAL	%RD220	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPT300B_LLSP	REAL	%RD228	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	TT2001_LLSP	REAL	%RD236	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER Low Low Setpoint

VAR	LTVF_203A_LLSP	REAL	%RD244	0	1	0	0	LEVEL TRANSMITTER VF-203 Low Low Setpoint
VAR	LTVF_204A_LLSP	REAL	%RD252	0	1	0	0	LEVEL TRANSMITTER VF-204 Low Low Setpoint
VAR	SPARE7_LLSP	REAL	%RD260	0	1	0	0	SPARE Low Low Setpoint
VAR	SPARE8_LLSP	REAL	%RD268	0	1	0	0	SPARE Low Low Setpoint
VAR	DPT311_LLSP	REAL	%RD276	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPT312_LLSP	REAL	%RD284	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPT313_LLSP	REAL	%RD292	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPT314_LLSP	REAL	%RD300	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPTMF11_LLSP	REAL	%RD308	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPTMF12_LLSP	REAL	%RD316	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPTMF13_LLSP	REAL	%RD324	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	DPTMF14_LLSP	REAL	%RD332	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Setpoint
VAR	LTVF_205A_LLSP	REAL	%RD340	0	1	0	0	LEVEL TRANSMITTER VF-205 Low Low Setpoint
VAR	LTVF_206A_LLSP	REAL	%RD348	0	1	0	0	LEVEL TRANSMITTER VF-206 Low Low Setpoint
VAR	SPARE11_LLSP	REAL	%RD356	0	1	0	0	SPARE Low Low Setpoint
VAR	SPARE12_LLSP	REAL	%RD364	0	1	0	0	SPARE Low Low Setpoint
VAR	LTT1_LLSP	REAL	%RD372	0	1	0	0	LEVEL TRANSMITTER Low Low Setpoint
VAR	LTT2_LLSP	REAL	%RD380	0	1	0	0	LEVEL TRANSMITTER Low Low Setpoint
VAR	SPARE13_LLSP	REAL	%RD388	0	1	0	0	SPARE Low Low Setpoint
VAR	SPARE14_LLSP	REAL	%RD396	0	1	0	0	SPARE Low Low Setpoint
VAR	SPARE15_LLSP	REAL	%RD404	0	1	0	0	SPARE Low Low Setpoint
VAR	SPARE16_LLSP	REAL	%RD412	0	1	0	0	SPARE Low Low Setpoint
VAR	LTHSD1_LLSP	REAL	%RD420	0	1	0	0	LEVEL TRANSMITTER Low Low Setpoint
VAR	LTT211_LLSP	REAL	%RD428	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Low Low Setpoint
VAR	LTT212_LLSP	REAL	%RD436	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Low Low Setpoint
VAR	LTT213_LLSP	REAL	%RD444	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Low Low Setpoint
VAR	PF301_VFD_SIS_LLSP	REAL	%RD452	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL Low Low Setpoint
VAR	PF302_VFD_SIS_LLSP	REAL	%RD460	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL Low Low Setpoint
VAR	PF303_VFD_SIS_LLSP	REAL	%RD468	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL Low Low Setpoint
VAR	PF304_VFD_SIS_LLSP	REAL	%RD476	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL Low Low Setpoint
VAR	PF305_VFD_SIS_LLSP	REAL	%RD484	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL Low Low Setpoint
VAR	PF306_VFD_SIS_LLSP	REAL	%RD492	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL Low Low Setpoint
VAR	PF307_VFD_SIS_LLSP	REAL	%RD500	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL Low Low Setpoint
VAR	PF308_VFD_SIS_LLSP	REAL	%RD508	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL Low Low Setpoint
VAR	PF309_VFD_SIS_LLSP	REAL	%RD516	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL Low Low Setpoint
VAR	PF310_VFD_SIS_LLSP	REAL	%RD524	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL Low Low Setpoint
VAR	SPARE17_LLSP	REAL	%RD532	0	1	0	0	SPARE Low Low Setpoint
VAR	SPARE18_LLSP	REAL	%RD540	0	1	0	0	SPARE Low Low Setpoint
VAR	SPARE19_LLSP	REAL	%RD548	0	1	0	0	SPARE Low Low Setpoint
VAR	SPARE20_LLSP	REAL	%RD556	0	1	0	0	SPARE Low Low Setpoint
VAR	SPARE21_LLSP	REAL	%RD564	0	1	0	0	SPARE Low Low Setpoint
VAR	SPARE22_LLSP	REAL	%RD572	0	1	0	0	SPARE Low Low Setpoint
VAR	FT501_LSP	REAL	%RD69	0	1	0	0	FLOW TRANSMITTER-MASS Low Setpoint
VAR	SPARE1_LSP	REAL	%RD77	0	1	0	0	SPARE Low Setpoint
VAR	DPT301_LSP	REAL	%RD85	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPT302_LSP	REAL	%RD93	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint

VAR	DPT303_LSP	REAL	%RD101	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPT304_LSP	REAL	%RD109	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPT305_LSP	REAL	%RD117	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	PT401_LSP	REAL	%RD125	0	1	0	0	PRESSURE TRANSMITTER Low Setpoint
VAR	FT401_LSP	REAL	%RD133	0	1	0	0	FLOW TRANSMITTER Low Setpoint
VAR	PT402_LSP	REAL	%RD141	0	1	0	0	PRESSURE TRANSMITTER Low Setpoint
VAR	FT402_LSP	REAL	%RD149	0	1	0	0	FLOW TRANSMITTER Low Setpoint
VAR	LTVF_201A_LSP	REAL	%RD157	0	1	0	0	LEVEL TRANSMITTER VF-201 Low Setpoint
VAR	LTVF_202A_LSP	REAL	%RD165	0	1	0	0	LEVEL TRANSMITTER VF-202 Low Setpoint
VAR	SPARE4_LSP	REAL	%RD173	0	1	0	0	SPARE Low Setpoint
VAR	DPT306_LSP	REAL	%RD181	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPT307_LSP	REAL	%RD189	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPT308_LSP	REAL	%RD197	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPT309_LSP	REAL	%RD205	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPT310_LSP	REAL	%RD213	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPT300A_LSP	REAL	%RD221	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPT300B_LSP	REAL	%RD229	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	TT2001_LSP	REAL	%RD237	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER Low Setpoint
VAR	LTVF_203A_LSP	REAL	%RD245	0	1	0	0	LEVEL TRANSMITTER VF-203 Low Setpoint
VAR	LTVF_204A_LSP	REAL	%RD253	0	1	0	0	LEVEL TRANSMITTER VF-204 Low Setpoint
VAR	SPARE7_LSP	REAL	%RD261	0	1	0	0	SPARE Low Setpoint
VAR	SPARE8_LSP	REAL	%RD269	0	1	0	0	SPARE Low Setpoint
VAR	DPT311_LSP	REAL	%RD277	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPT312_LSP	REAL	%RD285	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPT313_LSP	REAL	%RD293	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPT314_LSP	REAL	%RD301	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPTMF11_LSP	REAL	%RD309	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPTMF12_LSP	REAL	%RD317	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPTMF13_LSP	REAL	%RD325	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	DPTMF14_LSP	REAL	%RD333	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Setpoint
VAR	LTVF_205A_LSP	REAL	%RD341	0	1	0	0	LEVEL TRANSMITTER VF-205 Low Setpoint
VAR	LTVF_206A_LSP	REAL	%RD349	0	1	0	0	LEVEL TRANSMITTER VF-206 Low Setpoint
VAR	SPARE11_LSP	REAL	%RD357	0	1	0	0	SPARE Low Setpoint
VAR	SPARE12_LSP	REAL	%RD365	0	1	0	0	SPARE Low Setpoint
VAR	LTT1_LSP	REAL	%RD373	0	1	0	0	LEVEL TRANSMITTER Low Setpoint
VAR	LTT2_LSP	REAL	%RD381	0	1	0	0	LEVEL TRANSMITTER Low Setpoint
VAR	SPARE13_LSP	REAL	%RD389	0	1	0	0	SPARE Low Setpoint
VAR	SPARE14_LSP	REAL	%RD397	0	1	0	0	SPARE Low Setpoint
VAR	SPARE15_LSP	REAL	%RD405	0	1	0	0	SPARE Low Setpoint
VAR	SPARE16_LSP	REAL	%RD413	0	1	0	0	SPARE Low Setpoint
VAR	LTHSD1_LSP	REAL	%RD421	0	1	0	0	LEVEL TRANSMITTER Low Setpoint
VAR	LTT211_LSP	REAL	%RD429	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Low Setpoint
VAR	LTT212_LSP	REAL	%RD437	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Low Setpoint
VAR	LTT213_LSP	REAL	%RD445	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Low Setpoint
VAR	PF301_VFD_SIS_LSP	REAL	%RD453	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL Low Setpoint
VAR	PF302_VFD_SIS_LSP	REAL	%RD461	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL Low Setpoint
VAR	PF303_VFD_SIS_LSP	REAL	%RD469	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL Low Setpoint

VAR	PF304_VFD_SIS_LSP	REAL	%RD477	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL Low Setpoint
VAR	PF305_VFD_SIS_LSP	REAL	%RD485	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL Low Setpoint
VAR	PF306_VFD_SIS_LSP	REAL	%RD493	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL Low Setpoint
VAR	PF307_VFD_SIS_LSP	REAL	%RD501	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL Low Setpoint
VAR	PF308_VFD_SIS_LSP	REAL	%RD509	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL Low Setpoint
VAR	PF309_VFD_SIS_LSP	REAL	%RD517	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL Low Setpoint
VAR	PF310_VFD_SIS_LSP	REAL	%RD525	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL Low Setpoint
VAR	SPARE17_LSP	REAL	%RD533	0	1	0	0	SPARE Low Setpoint
VAR	SPARE18_LSP	REAL	%RD541	0	1	0	0	SPARE Low Setpoint
VAR	SPARE19_LSP	REAL	%RD549	0	1	0	0	SPARE Low Setpoint
VAR	SPARE20_LSP	REAL	%RD557	0	1	0	0	SPARE Low Setpoint
VAR	SPARE21_LSP	REAL	%RD565	0	1	0	0	SPARE Low Setpoint
VAR	SPARE22_LSP	REAL	%RD573	0	1	0	0	SPARE Low Setpoint

VAR	FT501_Override	REAL	%RD70	0	1	0	0	FLOW TRANSMITTER-MASS Override
VAR	SPARE1_Override	REAL	%RD78	0	1	0	0	SPARE Override
VAR	DPT301_Override	REAL	%RD86	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPT302_Override	REAL	%RD94	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPT303_Override	REAL	%RD102	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPT304_Override	REAL	%RD110	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPT305_Override	REAL	%RD118	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	PT401_Override	REAL	%RD126	0	1	0	0	PRESSURE TRANSMITTER Override
VAR	FT401_Override	REAL	%RD134	0	1	0	0	FLOW TRANSMITTER Override
VAR	PT402_Override	REAL	%RD142	0	1	0	0	PRESSURE TRANSMITTER Override
VAR	FT402_Override	REAL	%RD150	0	1	0	0	FLOW TRANSMITTER Override
VAR	LTVF_201A_Override	REAL	%RD158	0	1	0	0	LEVEL TRANSMITTER VF-201 Override
VAR	LTVF_202A_Override	REAL	%RD166	0	1	0	0	LEVEL TRANSMITTER VF-202 Override
VAR	SPARE4_Override	REAL	%RD174	0	1	0	0	SPARE Override
VAR	DPT306_Override	REAL	%RD182	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPT307_Override	REAL	%RD190	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPT308_Override	REAL	%RD198	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPT309_Override	REAL	%RD206	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPT310_Override	REAL	%RD214	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPT300A_Override	REAL	%RD222	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPT300B_Override	REAL	%RD230	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	TT2001_Override	REAL	%RD238	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER Override
VAR	LTVF_203A_Override	REAL	%RD246	0	1	0	0	LEVEL TRANSMITTER VF-203 Override
VAR	LTVF_204A_Override	REAL	%RD254	0	1	0	0	LEVEL TRANSMITTER VF-204 Override
VAR	SPARE7_Override	REAL	%RD262	0	1	0	0	SPARE Override
VAR	SPARE8_Override	REAL	%RD270	0	1	0	0	SPARE Override
VAR	DPT311_Override	REAL	%RD278	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPT312_Override	REAL	%RD286	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPT313_Override	REAL	%RD294	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPT314_Override	REAL	%RD302	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPTMF11_Override	REAL	%RD310	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPTMF12_Override	REAL	%RD318	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	DPTMF13_Override	REAL	%RD326	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override



VAR	DPTMF14_Override	REAL	%RD334	0	1	0	0	DIFF. PRESSURE TRANSMITTER Override
VAR	LTVF_205A_Override	REAL	%RD342	0	1	0	0	LEVEL TRANSMITTER VF-205 Override
VAR	LTVF_206A_Override	REAL	%RD350	0	1	0	0	LEVEL TRANSMITTER VF-206 Override
VAR	SPARE11_Override	REAL	%RD358	0	1	0	0	SPARE Override
VAR	SPARE12_Override	REAL	%RD366	0	1	0	0	SPARE Override
VAR	LTT1_Override	REAL	%RD374	0	1	0	0	LEVEL TRANSMITTER Override
VAR	LTT2_Override	REAL	%RD382	0	1	0	0	LEVEL TRANSMITTER Override
VAR	SPARE13_Override	REAL	%RD390	0	1	0	0	SPARE Override
VAR	SPARE14_Override	REAL	%RD398	0	1	0	0	SPARE Override
VAR	SPARE15_Override	REAL	%RD406	0	1	0	0	SPARE Override
VAR	SPARE16_Override	REAL	%RD414	0	1	0	0	SPARE Override
VAR	LTH5D1_Override	REAL	%RD422	0	1	0	0	LEVEL TRANSMITTER Override
VAR	LTT211_Override	REAL	%RD430	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Override
VAR	LTT212_Override	REAL	%RD438	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Override
VAR	LTT213_Override	REAL	%RD446	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Override
VAR	PF301_VFD_SIS_Override	REAL	%RD454	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL Override
VAR	PF302_VFD_SIS_Override	REAL	%RD462	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL Override
VAR	PF303_VFD_SIS_Override	REAL	%RD470	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL Override
VAR	PF304_VFD_SIS_Override	REAL	%RD478	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL Override
VAR	PF305_VFD_SIS_Override	REAL	%RD486	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL Override
VAR	PF306_VFD_SIS_Override	REAL	%RD494	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL Override
VAR	PF307_VFD_SIS_Override	REAL	%RD502	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL Override
VAR	PF308_VFD_SIS_Override	REAL	%RD510	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL Override
VAR	PF309_VFD_SIS_Override	REAL	%RD518	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL Override
VAR	PF310_VFD_SIS_Override	REAL	%RD526	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL Override
VAR	SPARE17_Override	REAL	%RD534	0	1	0	0	SPARE Override
VAR	SPARE18_Override	REAL	%RD542	0	1	0	0	SPARE Override
VAR	SPARE19_Override	REAL	%RD550	0	1	0	0	SPARE Override
VAR	SPARE20_Override	REAL	%RD558	0	1	0	0	SPARE Override
VAR	SPARE21_Override	REAL	%RD566	0	1	0	0	SPARE Override
VAR	SPARE22_Override	REAL	%RD574	0	1	0	0	SPARE Override

VAR	FT501_Span	REAL	%RD71	0	1	0	0	FLOW TRANSMITTER-MASS Span
VAR	SPARE1_Span	REAL	%RD79	0	1	0	0	SPARE Span
VAR	DPT301_Span	REAL	%RD87	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPT302_Span	REAL	%RD95	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPT303_Span	REAL	%RD103	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPT304_Span	REAL	%RD111	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPT305_Span	REAL	%RD119	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	PT401_Span	REAL	%RD127	0	1	0	0	PRESSURE TRANSMITTER Span
VAR	FT401_Span	REAL	%RD135	0	1	0	0	FLOW TRANSMITTER Span
VAR	PT402_Span	REAL	%RD143	0	1	0	0	PRESSURE TRANSMITTER Span
VAR	FT402_Span	REAL	%RD151	0	1	0	0	FLOW TRANSMITTER Span
VAR	LTVF_201A_Span	REAL	%RD159	0	1	0	0	LEVEL TRANSMITTER VF-201 Span
VAR	LTVF_202A_Span	REAL	%RD167	0	1	0	0	LEVEL TRANSMITTER VF-202 Span
VAR	SPARE4_Span	REAL	%RD175	0	1	0	0	SPARE Span
VAR	DPT306_Span	REAL	%RD183	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span

VAR	DPT307_Span	REAL	%RD191	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPT308_Span	REAL	%RD199	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPT309_Span	REAL	%RD207	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPT310_Span	REAL	%RD215	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPT300A_Span	REAL	%RD223	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPT300B_Span	REAL	%RD231	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	TT2001_Span	REAL	%RD239	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER Span
VAR	LTVF_203A_Span	REAL	%RD247	0	1	0	0	LEVEL TRANSMITTER VF-203 Span
VAR	LTVF_204A_Span	REAL	%RD255	0	1	0	0	LEVEL TRANSMITTER VF-204 Span
VAR	SPARE7_Span	REAL	%RD263	0	1	0	0	SPARE Span
VAR	SPARE8_Span	REAL	%RD271	0	1	0	0	SPARE Span
VAR	DPT311_Span	REAL	%RD279	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPT312_Span	REAL	%RD287	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPT313_Span	REAL	%RD295	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPT314_Span	REAL	%RD303	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPTMF11_Span	REAL	%RD311	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPTMF12_Span	REAL	%RD319	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPTMF13_Span	REAL	%RD327	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	DPTMF14_Span	REAL	%RD335	0	1	0	0	DIFF. PRESSURE TRANSMITTER Span
VAR	LTVF_205A_Span	REAL	%RD343	0	1	0	0	LEVEL TRANSMITTER VF-205 Span
VAR	LTVF_206A_Span	REAL	%RD351	0	1	0	0	LEVEL TRANSMITTER VF-206 Span
VAR	SPARE11_Span	REAL	%RD359	0	1	0	0	SPARE Span
VAR	SPARE12_Span	REAL	%RD367	0	1	0	0	SPARE Span
VAR	LTT1_Span	REAL	%RD375	0	1	0	0	LEVEL TRANSMITTER Span
VAR	LTT2_Span	REAL	%RD383	0	1	0	0	LEVEL TRANSMITTER Span
VAR	SPARE13_Span	REAL	%RD391	0	1	0	0	SPARE Span
VAR	SPARE14_Span	REAL	%RD399	0	1	0	0	SPARE Span
VAR	SPARE15_Span	REAL	%RD407	0	1	0	0	SPARE Span
VAR	SPARE16_Span	REAL	%RD415	0	1	0	0	SPARE Span
VAR	LTHSD1_Span	REAL	%RD423	0	1	0	0	LEVEL TRANSMITTER Span
VAR	LTT211_Span	REAL	%RD431	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Span
VAR	LTT212_Span	REAL	%RD439	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Span
VAR	LTT213_Span	REAL	%RD447	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Span
VAR	PF301_VFD_SIS_Span	REAL	%RD455	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL Span
VAR	PF302_VFD_SIS_Span	REAL	%RD463	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL Span
VAR	PF303_VFD_SIS_Span	REAL	%RD471	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL Span
VAR	PF304_VFD_SIS_Span	REAL	%RD479	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL Span
VAR	PF305_VFD_SIS_Span	REAL	%RD487	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL Span
VAR	PF306_VFD_SIS_Span	REAL	%RD495	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL Span
VAR	PF307_VFD_SIS_Span	REAL	%RD503	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL Span
VAR	PF308_VFD_SIS_Span	REAL	%RD511	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL Span
VAR	PF309_VFD_SIS_Span	REAL	%RD519	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL Span
VAR	PF310_VFD_SIS_Span	REAL	%RD527	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL Span
VAR	SPARE17_Span	REAL	%RD535	0	1	0	0	SPARE Span
VAR	SPARE18_Span	REAL	%RD543	0	1	0	0	SPARE Span
VAR	SPARE19_Span	REAL	%RD551	0	1	0	0	SPARE Span
VAR	SPARE20_Span	REAL	%RD559	0	1	0	0	SPARE Span

VAR	SPARE21_Span	REAL	%RD567	0	1	0	0	SPARE Span
VAR	SPARE22_Span	REAL	%RD575	0	1	0	0	SPARE Span
VAR	FT501_Zero	REAL	%RD72	0	1	0	0	FLOW TRANSMITTER-MASS Zero
VAR	SPARE1_Zero	REAL	%RD80	0	1	0	0	SPARE Zero
VAR	DPT301_Zero	REAL	%RD88	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPT302_Zero	REAL	%RD96	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPT303_Zero	REAL	%RD104	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPT304_Zero	REAL	%RD112	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPT305_Zero	REAL	%RD120	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	PT401_Zero	REAL	%RD128	0	1	0	0	PRESSURE TRANSMITTER Zero
VAR	FT401_Zero	REAL	%RD136	0	1	0	0	FLOW TRANSMITTER Zero
VAR	PT402_Zero	REAL	%RD144	0	1	0	0	PRESSURE TRANSMITTER Zero
VAR	FT402_Zero	REAL	%RD152	0	1	0	0	FLOW TRANSMITTER Zero
VAR	LTVF_201A_Zero	REAL	%RD160	0	1	0	0	LEVEL TRANSMITTER VF-201 Zero
VAR	LTVF_202A_Zero	REAL	%RD168	0	1	0	0	LEVEL TRANSMITTER VF-202 Zero
VAR	SPARE4_Zero	REAL	%RD176	0	1	0	0	SPARE Zero
VAR	DPT306_Zero	REAL	%RD184	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPT307_Zero	REAL	%RD192	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPT308_Zero	REAL	%RD200	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPT309_Zero	REAL	%RD208	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPT310_Zero	REAL	%RD216	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPT300A_Zero	REAL	%RD224	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPT300B_Zero	REAL	%RD232	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	TT2001_Zero	REAL	%RD240	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER Zero
VAR	LTVF_203A_Zero	REAL	%RD248	0	1	0	0	LEVEL TRANSMITTER VF-203 Zero
VAR	LTVF_204A_Zero	REAL	%RD256	0	1	0	0	LEVEL TRANSMITTER VF-204 Zero
VAR	SPARE7_Zero	REAL	%RD264	0	1	0	0	SPARE Zero
VAR	SPARE8_Zero	REAL	%RD272	0	1	0	0	SPARE Zero
VAR	DPT311_Zero	REAL	%RD280	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPT312_Zero	REAL	%RD288	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPT313_Zero	REAL	%RD296	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPT314_Zero	REAL	%RD304	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPTMF11_Zero	REAL	%RD312	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPTMF12_Zero	REAL	%RD320	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPTMF13_Zero	REAL	%RD328	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	DPTMF14_Zero	REAL	%RD336	0	1	0	0	DIFF. PRESSURE TRANSMITTER Zero
VAR	LTVF_205A_Zero	REAL	%RD344	0	1	0	0	LEVEL TRANSMITTER VF-205 Zero
VAR	LTVF_206A_Zero	REAL	%RD352	0	1	0	0	LEVEL TRANSMITTER VF-206 Zero
VAR	SPARE11_Zero	REAL	%RD360	0	1	0	0	SPARE Zero
VAR	SPARE12_Zero	REAL	%RD368	0	1	0	0	SPARE Zero
VAR	LTT1_Zero	REAL	%RD376	0	1	0	0	LEVEL TRANSMITTER Zero
VAR	LTT2_Zero	REAL	%RD384	0	1	0	0	LEVEL TRANSMITTER Zero
VAR	SPARE13_Zero	REAL	%RD392	0	1	0	0	SPARE Zero
VAR	SPARE14_Zero	REAL	%RD400	0	1	0	0	SPARE Zero
VAR	SPARE15_Zero	REAL	%RD408	0	1	0	0	SPARE Zero
VAR	SPARE16_Zero	REAL	%RD416	0	1	0	0	SPARE Zero

VAR	LTHSD1_Zero	REAL	%RD424	0	1	0	0	LEVEL TRANSMITTER Zero
VAR	LTT211_Zero	REAL	%RD432	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Zero
VAR	LTT212_Zero	REAL	%RD440	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Zero
VAR	LTT213_Zero	REAL	%RD448	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Zero
VAR	PF301_VFD_SIS_Zero	REAL	%RD456	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL Zero
VAR	PF302_VFD_SIS_Zero	REAL	%RD464	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL Zero
VAR	PF303_VFD_SIS_Zero	REAL	%RD472	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL Zero
VAR	PF304_VFD_SIS_Zero	REAL	%RD480	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL Zero
VAR	PF305_VFD_SIS_Zero	REAL	%RD488	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL Zero
VAR	PF306_VFD_SIS_Zero	REAL	%RD496	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL Zero
VAR	PF307_VFD_SIS_Zero	REAL	%RD504	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL Zero
VAR	PF308_VFD_SIS_Zero	REAL	%RD512	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL Zero
VAR	PF309_VFD_SIS_Zero	REAL	%RD520	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL Zero
VAR	PF310_VFD_SIS_Zero	REAL	%RD528	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL Zero
VAR	SPARE17_Zero	REAL	%RD536	0	1	0	0	SPARE Zero
VAR	SPARE18_Zero	REAL	%RD544	0	1	0	0	SPARE Zero
VAR	SPARE19_Zero	REAL	%RD552	0	1	0	0	SPARE Zero
VAR	SPARE20_Zero	REAL	%RD560	0	1	0	0	SPARE Zero
VAR	SPARE21_Zero	REAL	%RD568	0	1	0	0	SPARE Zero
VAR	SPARE22_Zero	REAL	%RD576	0	1	0	0	SPARE Zero

VAR	FT501_ALCODE	INT	%RW1154	0	1	0	0	FLOW TRANSMITTER-MASS Alarm Code
VAR	SPARE1_ALCODE	INT	%RW1155	0	1	0	0	SPARE Alarm Code
VAR	DPT301_ALCODE	INT	%RW1156	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPT302_ALCODE	INT	%RW1157	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPT303_ALCODE	INT	%RW1158	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPT304_ALCODE	INT	%RW1159	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPT305_ALCODE	INT	%RW1160	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	PT401_ALCODE	INT	%RW1161	0	1	0	0	PRESSURE TRANSMITTER Alarm Code
VAR	FT401_ALCODE	INT	%RW1162	0	1	0	0	FLOW TRANSMITTER Alarm Code
VAR	PT402_ALCODE	INT	%RW1163	0	1	0	0	PRESSURE TRANSMITTER Alarm Code
VAR	FT402_ALCODE	INT	%RW1164	0	1	0	0	FLOW TRANSMITTER Alarm Code
VAR	LTVF_201A_ALCODE	INT	%RW1165	0	1	0	0	LEVEL TRANSMITTER VF-201 Alarm Code
VAR	LTVF_202A_ALCODE	INT	%RW1166	0	1	0	0	LEVEL TRANSMITTER VF-202 Alarm Code
VAR	SPARE4_ALCODE	INT	%RW1167	0	1	0	0	SPARE Alarm Code
VAR	DPT306_ALCODE	INT	%RW1168	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPT307_ALCODE	INT	%RW1169	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPT308_ALCODE	INT	%RW1170	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPT309_ALCODE	INT	%RW1171	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPT310_ALCODE	INT	%RW1172	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPT300A_ALCODE	INT	%RW1173	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPT300B_ALCODE	INT	%RW1174	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	TT2001_ALCODE	INT	%RW1175	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER Alarm Code
VAR	LTVF_203A_ALCODE	INT	%RW1176	0	1	0	0	LEVEL TRANSMITTER VF-203 Alarm Code
VAR	LTVF_204A_ALCODE	INT	%RW1177	0	1	0	0	LEVEL TRANSMITTER VF-204 Alarm Code
VAR	SPARE7_ALCODE	INT	%RW1178	0	1	0	0	SPARE Alarm Code
VAR	SPARE8_ALCODE	INT	%RW1179	0	1	0	0	SPARE Alarm Code

VAR	DPT311_ALCODE	INT	%RW1180	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPT312_ALCODE	INT	%RW1181	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPT313_ALCODE	INT	%RW1182	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPT314_ALCODE	INT	%RW1183	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPTMF11_ALCODE	INT	%RW1184	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPTMF12_ALCODE	INT	%RW1185	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPTMF13_ALCODE	INT	%RW1186	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	DPTMF14_ALCODE	INT	%RW1187	0	1	0	0	DIFF. PRESSURE TRANSMITTER Alarm Code
VAR	LTVF_205A_ALCODE	INT	%RW1188	0	1	0	0	LEVEL TRANSMITTER VF-205 Alarm Code
VAR	LTVF_206A_ALCODE	INT	%RW1189	0	1	0	0	LEVEL TRANSMITTER VF-206 Alarm Code
VAR	SPARE11_ALCODE	INT	%RW1190	0	1	0	0	SPARE Alarm Code
VAR	SPARE12_ALCODE	INT	%RW1191	0	1	0	0	SPARE Alarm Code
VAR	LTT1_ALCODE	INT	%RW1192	0	1	0	0	LEVEL TRANSMITTER Alarm Code
VAR	LTT2_ALCODE	INT	%RW1193	0	1	0	0	LEVEL TRANSMITTER Alarm Code
VAR	SPARE13_ALCODE	INT	%RW1194	0	1	0	0	SPARE Alarm Code
VAR	SPARE14_ALCODE	INT	%RW1195	0	1	0	0	SPARE Alarm Code
VAR	SPARE15_ALCODE	INT	%RW1196	0	1	0	0	SPARE Alarm Code
VAR	SPARE16_ALCODE	INT	%RW1197	0	1	0	0	SPARE Alarm Code
VAR	LTHSD1_ALCODE	INT	%RW1198	0	1	0	0	LEVEL TRANSMITTER Alarm Code
VAR	LTT211_ALCODE	INT	%RW1199	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Alarm Code
VAR	LTT212_ALCODE	INT	%RW1200	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Alarm Code
VAR	LTT213_ALCODE	INT	%RW1201	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Alarm Code
VAR	PF301_VFD_SIS_ALCODE	INT	%RW1202	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL Alarm Code
VAR	PF302_VFD_SIS_ALCODE	INT	%RW1203	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL Alarm Code
VAR	PF303_VFD_SIS_ALCODE	INT	%RW1204	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL Alarm Code
VAR	PF304_VFD_SIS_ALCODE	INT	%RW1205	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL Alarm Code
VAR	PF305_VFD_SIS_ALCODE	INT	%RW1206	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL Alarm Code
VAR	PF306_VFD_SIS_ALCODE	INT	%RW1207	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL Alarm Code
VAR	PF307_VFD_SIS_ALCODE	INT	%RW1208	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL Alarm Code
VAR	PF308_VFD_SIS_ALCODE	INT	%RW1209	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL Alarm Code
VAR	PF309_VFD_SIS_ALCODE	INT	%RW1210	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL Alarm Code
VAR	PF310_VFD_SIS_ALCODE	INT	%RW1211	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL Alarm Code
VAR	SPARE17_ALCODE	INT	%RW1212	0	1	0	0	SPARE Alarm Code
VAR	SPARE18_ALCODE	INT	%RW1213	0	1	0	0	SPARE Alarm Code
VAR	SPARE19_ALCODE	INT	%RW1214	0	1	0	0	SPARE Alarm Code
VAR	SPARE20_ALCODE	INT	%RW1215	0	1	0	0	SPARE Alarm Code
VAR	SPARE21_ALCODE	INT	%RW1216	0	1	0	0	SPARE Alarm Code
VAR	SPARE22_ALCODE	INT	%RW1217	0	1	0	0	SPARE Alarm Code
VAR	FT501_ACT	BOOL	%MX301	0	1	0	0	FLOW TRANSMITTER-MASS Channel Active
VAR	SPARE1_ACT	BOOL	%MX308	0	1	0	0	SPARE Channel Active
VAR	DPT301_ACT	BOOL	%MX315	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPT302_ACT	BOOL	%MX322	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPT303_ACT	BOOL	%MX329	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPT304_ACT	BOOL	%MX336	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPT305_ACT	BOOL	%MX343	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	PT401_ACT	BOOL	%MX350	0	1	0	0	PRESSURE TRANSMITTER Channel Active

VAR	FT401_ACT	BOOL	%MX357	0	1	0	0	FLOW TRANSMITTER Channel Active
VAR	PT402_ACT	BOOL	%MX364	0	1	0	0	PRESSURE TRANSMITTER Channel Active
VAR	FT402_ACT	BOOL	%MX371	0	1	0	0	FLOW TRANSMITTER Channel Active
VAR	LTVF_201A_ACT	BOOL	%MX378	0	1	0	0	LEVEL TRANSMITTER VF-201 Channel Active
VAR	LTVF_202A_ACT	BOOL	%MX385	0	1	0	0	LEVEL TRANSMITTER VF-202 Channel Active
VAR	SPARE4_ACT	BOOL	%MX392	0	1	0	0	SPARE Channel Active
VAR	DPT306_ACT	BOOL	%MX399	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPT307_ACT	BOOL	%MX406	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPT308_ACT	BOOL	%MX413	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPT309_ACT	BOOL	%MX420	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPT310_ACT	BOOL	%MX427	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPT300A_ACT	BOOL	%MX434	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPT300B_ACT	BOOL	%MX441	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	TT2001_ACT	BOOL	%MX448	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER Channel Active
VAR	LTVF_203A_ACT	BOOL	%MX455	0	1	0	0	LEVEL TRANSMITTER VF-203 Channel Active
VAR	LTVF_204A_ACT	BOOL	%MX462	0	1	0	0	LEVEL TRANSMITTER VF-204 Channel Active
VAR	SPARE7_ACT	BOOL	%MX469	0	1	0	0	SPARE Channel Active
VAR	SPARE8_ACT	BOOL	%MX476	0	1	0	0	SPARE Channel Active
VAR	DPT311_ACT	BOOL	%MX483	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPT312_ACT	BOOL	%MX490	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPT313_ACT	BOOL	%MX497	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPT314_ACT	BOOL	%MX504	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPTMF11_ACT	BOOL	%MX511	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPTMF12_ACT	BOOL	%MX518	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPTMF13_ACT	BOOL	%MX525	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	DPTMF14_ACT	BOOL	%MX532	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Active
VAR	LTVF_205A_ACT	BOOL	%MX539	0	1	0	0	LEVEL TRANSMITTER VF-205 Channel Active
VAR	LTVF_206A_ACT	BOOL	%MX546	0	1	0	0	LEVEL TRANSMITTER VF-206 Channel Active
VAR	SPARE11_ACT	BOOL	%MX553	0	1	0	0	SPARE Channel Active
VAR	SPARE12_ACT	BOOL	%MX560	0	1	0	0	SPARE Channel Active
VAR	LTT1_ACT	BOOL	%MX567	0	1	0	0	LEVEL TRANSMITTER Channel Active
VAR	LTT2_ACT	BOOL	%MX574	0	1	0	0	LEVEL TRANSMITTER Channel Active
VAR	SPARE13_ACT	BOOL	%MX581	0	1	0	0	SPARE Channel Active
VAR	SPARE14_ACT	BOOL	%MX588	0	1	0	0	SPARE Channel Active
VAR	SPARE15_ACT	BOOL	%MX595	0	1	0	0	SPARE Channel Active
VAR	SPARE16_ACT	BOOL	%MX602	0	1	0	0	SPARE Channel Active
VAR	LTHSD1_ACT	BOOL	%MX609	0	1	0	0	LEVEL TRANSMITTER Channel Active
VAR	LTT211_ACT	BOOL	%MX616	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Channel Active
VAR	LTT212_ACT	BOOL	%MX623	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Channel Active
VAR	LTT213_ACT	BOOL	%MX630	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Channel Active
VAR	PF301_VFD_SIS_ACT	BOOL	%MX637	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL Channel Active
VAR	PF302_VFD_SIS_ACT	BOOL	%MX644	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL Channel Active
VAR	PF303_VFD_SIS_ACT	BOOL	%MX651	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL Channel Active
VAR	PF304_VFD_SIS_ACT	BOOL	%MX658	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL Channel Active
VAR	PF305_VFD_SIS_ACT	BOOL	%MX665	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL Channel Active
VAR	PF306_VFD_SIS_ACT	BOOL	%MX672	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL Channel Active
VAR	PF307_VFD_SIS_ACT	BOOL	%MX679	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL Channel Active

VAR	PF308_VFD_SIS_ACT	BOOL	%MX686	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL Channel Active
VAR	PF309_VFD_SIS_ACT	BOOL	%MX693	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL Channel Active
VAR	PF310_VFD_SIS_ACT	BOOL	%MX700	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL Channel Active
VAR	SPARE17_ACT	BOOL	%MX707	0	1	0	0	SPARE Channel Active
VAR	SPARE18_ACT	BOOL	%MX714	0	1	0	0	SPARE Channel Active
VAR	SPARE19_ACT	BOOL	%MX721	0	1	0	0	SPARE Channel Active
VAR	SPARE20_ACT	BOOL	%MX728	0	1	0	0	SPARE Channel Active
VAR	SPARE21_ACT	BOOL	%MX735	0	1	0	0	SPARE Channel Active
VAR	SPARE22_ACT	BOOL	%MX742	0	1	0	0	SPARE Channel Active
VAR	FT501_Bypass	BOOL	%MX302	0	1	0	0	FLOW TRANSMITTER-MASS Channel Bypass
VAR	SPARE1_Bypass	BOOL	%MX309	0	1	0	0	SPARE Channel Bypass
VAR	DPT301_Bypass	BOOL	%MX316	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPT302_Bypass	BOOL	%MX323	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPT303_Bypass	BOOL	%MX330	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPT304_Bypass	BOOL	%MX337	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPT305_Bypass	BOOL	%MX344	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	PT401_Bypass	BOOL	%MX351	0	1	0	0	PRESSURE TRANSMITTER Channel Bypass
VAR	FT401_Bypass	BOOL	%MX358	0	1	0	0	FLOW TRANSMITTER Channel Bypass
VAR	PT402_Bypass	BOOL	%MX365	0	1	0	0	PRESSURE TRANSMITTER Channel Bypass
VAR	FT402_Bypass	BOOL	%MX372	0	1	0	0	FLOW TRANSMITTER Channel Bypass
VAR	LTVF_201A_Bypass	BOOL	%MX379	0	1	0	0	LEVEL TRANSMITTER VF-201 Channel Bypass
VAR	LTVF_202A_Bypass	BOOL	%MX386	0	1	0	0	LEVEL TRANSMITTER VF-202 Channel Bypass
VAR	SPARE4_Bypass	BOOL	%MX393	0	1	0	0	SPARE Channel Bypass
VAR	DPT306_Bypass	BOOL	%MX400	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPT307_Bypass	BOOL	%MX407	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPT308_Bypass	BOOL	%MX414	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPT309_Bypass	BOOL	%MX421	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPT310_Bypass	BOOL	%MX428	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPT300A_Bypass	BOOL	%MX435	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPT300B_Bypass	BOOL	%MX442	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	TT2001_Bypass	BOOL	%MX449	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER Channel Bypass
VAR	LTVF_203A_Bypass	BOOL	%MX456	0	1	0	0	LEVEL TRANSMITTER VF-203 Channel Bypass
VAR	LTVF_204A_Bypass	BOOL	%MX463	0	1	0	0	LEVEL TRANSMITTER VF-204 Channel Bypass
VAR	SPARE7_Bypass	BOOL	%MX470	0	1	0	0	SPARE Channel Bypass
VAR	SPARE8_Bypass	BOOL	%MX477	0	1	0	0	SPARE Channel Bypass
VAR	DPT311_Bypass	BOOL	%MX484	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPT312_Bypass	BOOL	%MX491	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPT313_Bypass	BOOL	%MX498	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPT314_Bypass	BOOL	%MX505	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPTMF11_Bypass	BOOL	%MX512	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPTMF12_Bypass	BOOL	%MX519	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPTMF13_Bypass	BOOL	%MX526	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	DPTMF14_Bypass	BOOL	%MX533	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Bypass
VAR	LTVF_205A_Bypass	BOOL	%MX540	0	1	0	0	LEVEL TRANSMITTER VF-205 Channel Bypass
VAR	LTVF_206A_Bypass	BOOL	%MX547	0	1	0	0	LEVEL TRANSMITTER VF-206 Channel Bypass
VAR	SPARE11_Bypass	BOOL	%MX554	0	1	0	0	SPARE Channel Bypass

VAR	SPARE12_Bypass	BOOL	%MX561	0	1	0	0	SPARE Channel Bypass
VAR	LTT1_Bypass	BOOL	%MX568	0	1	0	0	LEVEL TRANSMITTER Channel Bypass
VAR	LTT2_Bypass	BOOL	%MX575	0	1	0	0	LEVEL TRANSMITTER Channel Bypass
VAR	SPARE13_Bypass	BOOL	%MX582	0	1	0	0	SPARE Channel Bypass
VAR	SPARE14_Bypass	BOOL	%MX589	0	1	0	0	SPARE Channel Bypass
VAR	SPARE15_Bypass	BOOL	%MX596	0	1	0	0	SPARE Channel Bypass
VAR	SPARE16_Bypass	BOOL	%MX603	0	1	0	0	SPARE Channel Bypass
VAR	LTHSD1_Bypass	BOOL	%MX610	0	1	0	0	LEVEL TRANSMITTER Channel Bypass
VAR	LTT211_Bypass	BOOL	%MX617	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Channel Bypass
VAR	LTT212_Bypass	BOOL	%MX624	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Channel Bypass
VAR	LTT213_Bypass	BOOL	%MX631	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Channel Bypass
VAR	PF301_VFD_SIS_Bypass	BOOL	%MX638	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL Channel Bypass
VAR	PF302_VFD_SIS_Bypass	BOOL	%MX645	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL Channel Bypass
VAR	PF303_VFD_SIS_Bypass	BOOL	%MX652	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL Channel Bypass
VAR	PF304_VFD_SIS_Bypass	BOOL	%MX659	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL Channel Bypass
VAR	PF305_VFD_SIS_Bypass	BOOL	%MX666	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL Channel Bypass
VAR	PF306_VFD_SIS_Bypass	BOOL	%MX673	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL Channel Bypass
VAR	PF307_VFD_SIS_Bypass	BOOL	%MX680	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL Channel Bypass
VAR	PF308_VFD_SIS_Bypass	BOOL	%MX687	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL Channel Bypass
VAR	PF309_VFD_SIS_Bypass	BOOL	%MX694	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL Channel Bypass
VAR	PF310_VFD_SIS_Bypass	BOOL	%MX701	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL Channel Bypass
VAR	SPARE17_Bypass	BOOL	%MX708	0	1	0	0	SPARE Channel Bypass
VAR	SPARE18_Bypass	BOOL	%MX715	0	1	0	0	SPARE Channel Bypass
VAR	SPARE19_Bypass	BOOL	%MX722	0	1	0	0	SPARE Channel Bypass
VAR	SPARE20_Bypass	BOOL	%MX729	0	1	0	0	SPARE Channel Bypass
VAR	SPARE21_Bypass	BOOL	%MX736	0	1	0	0	SPARE Channel Bypass
VAR	SPARE22_Bypass	BOOL	%MX743	0	1	0	0	SPARE Channel Bypass

VAR_EXTERNAL	FT501_HALM	BOOL	%MX303	0	1	0	0	FLOW TRANSMITTER-MASS High Alarm
VAR_EXTERNAL	SPARE1_HALM	BOOL	%MX310	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	DPT301_HALM	BOOL	%MX317	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPT302_HALM	BOOL	%MX324	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPT303_HALM	BOOL	%MX331	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPT304_HALM	BOOL	%MX338	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPT305_HALM	BOOL	%MX345	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	PT401_HALM	BOOL	%MX352	0	1	0	0	PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	FT401_HALM	BOOL	%MX359	0	1	0	0	FLOW TRANSMITTER High Alarm
VAR_EXTERNAL	PT402_HALM	BOOL	%MX366	0	1	0	0	PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	FT402_HALM	BOOL	%MX373	0	1	0	0	FLOW TRANSMITTER High Alarm
VAR_EXTERNAL	LTVF_201A_HALM	BOOL	%MX380	0	1	0	0	LEVEL TRANSMITTER VF-201 High Alarm
VAR_EXTERNAL	LTVF_202A_HALM	BOOL	%MX387	0	1	0	0	LEVEL TRANSMITTER VF-202 High Alarm
VAR_EXTERNAL	SPARE4_HALM	BOOL	%MX394	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	DPT306_HALM	BOOL	%MX401	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPT307_HALM	BOOL	%MX408	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPT308_HALM	BOOL	%MX415	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPT309_HALM	BOOL	%MX422	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPT310_HALM	BOOL	%MX429	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm



VAR_EXTERNAL	DPT300A_HALM	BOOL	%MX436	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPT300B_HALM	BOOL	%MX443	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	TT2001_HALM	BOOL	%MX450	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER High Alarm
VAR_EXTERNAL	LTVF_203A_HALM	BOOL	%MX457	0	1	0	0	LEVEL TRANSMITTER VF-203 High Alarm
VAR_EXTERNAL	LTVF_204A_HALM	BOOL	%MX464	0	1	0	0	LEVEL TRANSMITTER VF-204 High Alarm
VAR_EXTERNAL	SPARE7_HALM	BOOL	%MX471	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	SPARE8_HALM	BOOL	%MX478	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	DPT311_HALM	BOOL	%MX485	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPT312_HALM	BOOL	%MX492	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPT313_HALM	BOOL	%MX499	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPT314_HALM	BOOL	%MX506	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPTMF11_HALM	BOOL	%MX513	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPTMF12_HALM	BOOL	%MX520	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPTMF13_HALM	BOOL	%MX527	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	DPTMF14_HALM	BOOL	%MX534	0	1	0	0	DIFF. PRESSURE TRANSMITTER High Alarm
VAR_EXTERNAL	LTVF_205A_HALM	BOOL	%MX541	0	1	0	0	LEVEL TRANSMITTER VF-205 High Alarm
VAR_EXTERNAL	LTVF_206A_HALM	BOOL	%MX548	0	1	0	0	LEVEL TRANSMITTER VF-206 High Alarm
VAR_EXTERNAL	SPARE11_HALM	BOOL	%MX555	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	SPARE12_HALM	BOOL	%MX562	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	LTT1_HALM	BOOL	%MX569	0	1	0	0	LEVEL TRANSMITTER High Alarm
VAR_EXTERNAL	LTT2_HALM	BOOL	%MX576	0	1	0	0	LEVEL TRANSMITTER High Alarm
VAR_EXTERNAL	SPARE13_HALM	BOOL	%MX583	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	SPARE14_HALM	BOOL	%MX590	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	SPARE15_HALM	BOOL	%MX597	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	SPARE16_HALM	BOOL	%MX604	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	LTHSD1_HALM	BOOL	%MX611	0	1	0	0	LEVEL TRANSMITTER High Alarm
VAR_EXTERNAL	LTT211_HALM	BOOL	%MX618	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR High Alarm
VAR_EXTERNAL	LTT212_HALM	BOOL	%MX625	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR High Alarm
VAR_EXTERNAL	LTT213_HALM	BOOL	%MX632	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR High Alarm
VAR_EXTERNAL	PF301_VFD_SIS_HALM	BOOL	%MX639	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL High Alarm
VAR_EXTERNAL	PF302_VFD_SIS_HALM	BOOL	%MX646	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL High Alarm
VAR_EXTERNAL	PF303_VFD_SIS_HALM	BOOL	%MX653	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL High Alarm
VAR_EXTERNAL	PF304_VFD_SIS_HALM	BOOL	%MX660	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL High Alarm
VAR_EXTERNAL	PF305_VFD_SIS_HALM	BOOL	%MX667	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL High Alarm
VAR_EXTERNAL	PF306_VFD_SIS_HALM	BOOL	%MX674	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL High Alarm
VAR_EXTERNAL	PF307_VFD_SIS_HALM	BOOL	%MX681	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL High Alarm
VAR_EXTERNAL	PF308_VFD_SIS_HALM	BOOL	%MX688	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL High Alarm
VAR_EXTERNAL	PF309_VFD_SIS_HALM	BOOL	%MX695	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL High Alarm
VAR_EXTERNAL	PF310_VFD_SIS_HALM	BOOL	%MX702	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL High Alarm
VAR_EXTERNAL	SPARE17_HALM	BOOL	%MX709	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	SPARE18_HALM	BOOL	%MX716	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	SPARE19_HALM	BOOL	%MX723	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	SPARE20_HALM	BOOL	%MX730	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	SPARE21_HALM	BOOL	%MX737	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	SPARE22_HALM	BOOL	%MX744	0	1	0	0	SPARE High Alarm
VAR_EXTERNAL	FT501_HHALM	BOOL	%MX304	0	1	0	0	FLOW TRANSMITTER-MASS High High Alarm

VAR_EXTERNAL	SPARE1_HHALM	BOOL	%MX311	0	1	0	0	SPARE High High Alarm
VAR_EXTERNAL	DPT301_HHALM	BOOL	%MX318	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPT302_HHALM	BOOL	%MX325	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPT303_HHALM	BOOL	%MX332	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPT304_HHALM	BOOL	%MX339	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPT305_HHALM	BOOL	%MX346	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	PT401_HHALM	BOOL	%MX353	0	1	0	0	PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	FT401_HHALM	BOOL	%MX360	0	1	0	0	FLOW TRANSMITTER High High Alarm
VAR_EXTERNAL	PT402_HHALM	BOOL	%MX367	0	1	0	0	PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	FT402_HHALM	BOOL	%MX374	0	1	0	0	FLOW TRANSMITTER High High Alarm
VAR_EXTERNAL	LTVF_201A_HHALM	BOOL	%MX381	0	1	0	0	LEVEL TRANSMITTER VF-201 High High Alarm
VAR_EXTERNAL	LTVF_202A_HHALM	BOOL	%MX388	0	1	0	0	LEVEL TRANSMITTER VF-202 High High Alarm
VAR_EXTERNAL	SPARE4_HHALM	BOOL	%MX395	0	1	0	0	SPARE High High Alarm
VAR_EXTERNAL	DPT306_HHALM	BOOL	%MX402	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPT307_HHALM	BOOL	%MX409	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPT308_HHALM	BOOL	%MX416	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPT309_HHALM	BOOL	%MX423	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPT310_HHALM	BOOL	%MX430	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPT300A_HHALM	BOOL	%MX437	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPT300B_HHALM	BOOL	%MX444	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	TT2001_HHALM	BOOL	%MX451	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER High High Alarm
VAR_EXTERNAL	LTVF_203A_HHALM	BOOL	%MX458	0	1	0	0	LEVEL TRANSMITTER VF-203 High High Alarm
VAR_EXTERNAL	LTVF_204A_HHALM	BOOL	%MX465	0	1	0	0	LEVEL TRANSMITTER VF-204 High High Alarm
VAR_EXTERNAL	SPARE7_HHALM	BOOL	%MX472	0	1	0	0	SPARE High High Alarm
VAR_EXTERNAL	SPARE8_HHALM	BOOL	%MX479	0	1	0	0	SPARE High High Alarm
VAR_EXTERNAL	DPT311_HHALM	BOOL	%MX486	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPT312_HHALM	BOOL	%MX493	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPT313_HHALM	BOOL	%MX500	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPT314_HHALM	BOOL	%MX507	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPTMF11_HHALM	BOOL	%MX514	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPTMF12_HHALM	BOOL	%MX521	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPTMF13_HHALM	BOOL	%MX528	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	DPTMF14_HHALM	BOOL	%MX535	0	1	0	0	DIFF. PRESSURE TRANSMITTER High High Alarm
VAR_EXTERNAL	LTVF_205A_HHALM	BOOL	%MX542	0	1	0	0	LEVEL TRANSMITTER VF-205 High High Alarm
VAR_EXTERNAL	LTVF_206A_HHALM	BOOL	%MX549	0	1	0	0	LEVEL TRANSMITTER VF-206 High High Alarm
VAR_EXTERNAL	SPARE11_HHALM	BOOL	%MX556	0	1	0	0	SPARE High High Alarm
VAR_EXTERNAL	SPARE12_HHALM	BOOL	%MX563	0	1	0	0	SPARE High High Alarm
VAR_EXTERNAL	LTT1_HHALM	BOOL	%MX570	0	1	0	0	LEVEL TRANSMITTER High High Alarm
VAR_EXTERNAL	LTT2_HHALM	BOOL	%MX577	0	1	0	0	LEVEL TRANSMITTER High High Alarm
VAR_EXTERNAL	SPARE13_HHALM	BOOL	%MX584	0	1	0	0	SPARE High High Alarm
VAR_EXTERNAL	SPARE14_HHALM	BOOL	%MX591	0	1	0	0	SPARE High High Alarm
VAR_EXTERNAL	SPARE15_HHALM	BOOL	%MX598	0	1	0	0	SPARE High High Alarm
VAR_EXTERNAL	SPARE16_HHALM	BOOL	%MX605	0	1	0	0	SPARE High High Alarm
VAR_EXTERNAL	LTHSD1_HHALM	BOOL	%MX612	0	1	0	0	LEVEL TRANSMITTER High High Alarm
VAR_EXTERNAL	LTT211_HHALM	BOOL	%MX619	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR High High Alarm
VAR_EXTERNAL	LTT212_HHALM	BOOL	%MX626	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR High High Alarm
VAR_EXTERNAL	LTT213_HHALM	BOOL	%MX633	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR High High Alarm

VAR_EXTERNAL	PF301_VFD_SIS_HHALM	BOOL	%MX640	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL High High Alarm
VAR_EXTERNAL	PF302_VFD_SIS_HHALM	BOOL	%MX647	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL High High Alarm
VAR_EXTERNAL	PF303_VFD_SIS_HHALM	BOOL	%MX654	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL High High Alarm
VAR_EXTERNAL	PF304_VFD_SIS_HHALM	BOOL	%MX661	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL High High Alarm
VAR_EXTERNAL	PF305_VFD_SIS_HHALM	BOOL	%MX668	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL High High Alarm
VAR_EXTERNAL	PF306_VFD_SIS_HHALM	BOOL	%MX675	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL High High Alarm
VAR_EXTERNAL	PF307_VFD_SIS_HHALM	BOOL	%MX682	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL High High Alarm
VAR_EXTERNAL	PF308_VFD_SIS_HHALM	BOOL	%MX689	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL High High Alarm
VAR_EXTERNAL	PF309_VFD_SIS_HHALM	BOOL	%MX696	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL High High Alarm
VAR_EXTERNAL	PF310_VFD_SIS_HHALM	BOOL	%MX703	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL High High Alarm
VAR_EXTERNAL	SPARE17_HHALM	BOOL	%MX710	0	1	0	0	SPARE High High Alarm
VAR_EXTERNAL	SPARE18_HHALM	BOOL	%MX717	0	1	0	0	SPARE High High Alarm
VAR_EXTERNAL	SPARE19_HHALM	BOOL	%MX724	0	1	0	0	SPARE High High Alarm
VAR_EXTERNAL	SPARE20_HHALM	BOOL	%MX731	0	1	0	0	SPARE High High Alarm
VAR_EXTERNAL	SPARE21_HHALM	BOOL	%MX738	0	1	0	0	SPARE High High Alarm
VAR_EXTERNAL	SPARE22_HHALM	BOOL	%MX745	0	1	0	0	SPARE High High Alarm

VAR	FT501_IDD	BOOL	%MX305	0	1	0	0	FLOW TRANSMITTER-MASS Channel Detach Error
VAR	SPARE1_IDD	BOOL	%MX312	0	1	0	0	SPARE Channel Detach Error
VAR	DPT301_IDD	BOOL	%MX319	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPT302_IDD	BOOL	%MX326	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPT303_IDD	BOOL	%MX333	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPT304_IDD	BOOL	%MX340	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPT305_IDD	BOOL	%MX347	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	PT401_IDD	BOOL	%MX354	0	1	0	0	PRESSURE TRANSMITTER Channel Detach Error
VAR	FT401_IDD	BOOL	%MX361	0	1	0	0	FLOW TRANSMITTER Channel Detach Error
VAR	PT402_IDD	BOOL	%MX368	0	1	0	0	PRESSURE TRANSMITTER Channel Detach Error
VAR	FT402_IDD	BOOL	%MX375	0	1	0	0	FLOW TRANSMITTER Channel Detach Error
VAR	LTVF_201A_IDD	BOOL	%MX382	0	1	0	0	LEVEL TRANSMITTER VF-201 Channel Detach Error
VAR	LTVF_202A_IDD	BOOL	%MX389	0	1	0	0	LEVEL TRANSMITTER VF-202 Channel Detach Error
VAR	SPARE4_IDD	BOOL	%MX396	0	1	0	0	SPARE Channel Detach Error
VAR	DPT306_IDD	BOOL	%MX403	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPT307_IDD	BOOL	%MX410	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPT308_IDD	BOOL	%MX417	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPT309_IDD	BOOL	%MX424	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPT310_IDD	BOOL	%MX431	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPT300A_IDD	BOOL	%MX438	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPT300B_IDD	BOOL	%MX445	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	TT2001_IDD	BOOL	%MX452	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER Channel Detach Error
VAR	LTVF_203A_IDD	BOOL	%MX459	0	1	0	0	LEVEL TRANSMITTER VF-203 Channel Detach Error
VAR	LTVF_204A_IDD	BOOL	%MX466	0	1	0	0	LEVEL TRANSMITTER VF-204 Channel Detach Error
VAR	SPARE7_IDD	BOOL	%MX473	0	1	0	0	SPARE Channel Detach Error
VAR	SPARE8_IDD	BOOL	%MX480	0	1	0	0	SPARE Channel Detach Error
VAR	DPT311_IDD	BOOL	%MX487	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPT312_IDD	BOOL	%MX494	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPT313_IDD	BOOL	%MX501	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPT314_IDD	BOOL	%MX508	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error

VAR	DPTMF11_IDD	BOOL	%MX515	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPTMF12_IDD	BOOL	%MX522	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPTMF13_IDD	BOOL	%MX529	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	DPTMF14_IDD	BOOL	%MX536	0	1	0	0	DIFF. PRESSURE TRANSMITTER Channel Detach Error
VAR	LTVF_205A_IDD	BOOL	%MX543	0	1	0	0	LEVEL TRANSMITTER VF-205 Channel Detach Error
VAR	LTVF_206A_IDD	BOOL	%MX550	0	1	0	0	LEVEL TRANSMITTER VF-206 Channel Detach Error
VAR	SPARE11_IDD	BOOL	%MX557	0	1	0	0	SPARE Channel Detach Error
VAR	SPARE12_IDD	BOOL	%MX564	0	1	0	0	SPARE Channel Detach Error
VAR	LTT1_IDD	BOOL	%MX571	0	1	0	0	LEVEL TRANSMITTER Channel Detach Error
VAR	LTT2_IDD	BOOL	%MX578	0	1	0	0	LEVEL TRANSMITTER Channel Detach Error
VAR	SPARE13_IDD	BOOL	%MX585	0	1	0	0	SPARE Channel Detach Error
VAR	SPARE14_IDD	BOOL	%MX592	0	1	0	0	SPARE Channel Detach Error
VAR	SPARE15_IDD	BOOL	%MX599	0	1	0	0	SPARE Channel Detach Error
VAR	SPARE16_IDD	BOOL	%MX606	0	1	0	0	SPARE Channel Detach Error
VAR	LTHSD1_IDD	BOOL	%MX613	0	1	0	0	LEVEL TRANSMITTER Channel Detach Error
VAR	LTT211_IDD	BOOL	%MX620	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Channel Detach Error
VAR	LTT212_IDD	BOOL	%MX627	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Channel Detach Error
VAR	LTT213_IDD	BOOL	%MX634	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Channel Detach Error
VAR	PF301_VFD_SIS_IDD	BOOL	%MX641	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL Channel Detach Error
VAR	PF302_VFD_SIS_IDD	BOOL	%MX648	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL Channel Detach Error
VAR	PF303_VFD_SIS_IDD	BOOL	%MX655	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL Channel Detach Error
VAR	PF304_VFD_SIS_IDD	BOOL	%MX662	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL Channel Detach Error
VAR	PF305_VFD_SIS_IDD	BOOL	%MX669	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL Channel Detach Error
VAR	PF306_VFD_SIS_IDD	BOOL	%MX676	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL Channel Detach Error
VAR	PF307_VFD_SIS_IDD	BOOL	%MX683	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL Channel Detach Error
VAR	PF308_VFD_SIS_IDD	BOOL	%MX690	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL Channel Detach Error
VAR	PF309_VFD_SIS_IDD	BOOL	%MX697	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL Channel Detach Error
VAR	PF310_VFD_SIS_IDD	BOOL	%MX704	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL Channel Detach Error
VAR	SPARE17_IDD	BOOL	%MX711	0	1	0	0	SPARE Channel Detach Error
VAR	SPARE18_IDD	BOOL	%MX718	0	1	0	0	SPARE Channel Detach Error
VAR	SPARE19_IDD	BOOL	%MX725	0	1	0	0	SPARE Channel Detach Error
VAR	SPARE20_IDD	BOOL	%MX732	0	1	0	0	SPARE Channel Detach Error
VAR	SPARE21_IDD	BOOL	%MX739	0	1	0	0	SPARE Channel Detach Error
VAR	SPARE22_IDD	BOOL	%MX746	0	1	0	0	SPARE Channel Detach Error

VAR_EXTERNAL	FT501_LALM	BOOL	%MX306	0	1	0	0	FLOW TRANSMITTER-MASS Low Alarm
VAR_EXTERNAL	SPARE1_LALM	BOOL	%MX313	0	1	0	0	SPARE Low Alarm
VAR_EXTERNAL	DPT301_LALM	BOOL	%MX320	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPT302_LALM	BOOL	%MX327	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPT303_LALM	BOOL	%MX334	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPT304_LALM	BOOL	%MX341	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPT305_LALM	BOOL	%MX348	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	PT401_LALM	BOOL	%MX355	0	1	0	0	PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	FT401_LALM	BOOL	%MX362	0	1	0	0	FLOW TRANSMITTER Low Alarm
VAR_EXTERNAL	PT402_LALM	BOOL	%MX369	0	1	0	0	PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	FT402_LALM	BOOL	%MX376	0	1	0	0	FLOW TRANSMITTER Low Alarm
VAR_EXTERNAL	LTVF_201A_LALM	BOOL	%MX383	0	1	0	0	LEVEL TRANSMITTER VF-201 Low Alarm

VAR_EXTERNAL	LTVF_202A_LALM	BOOL	%MX390	0	1	0	0	LEVEL TRANSMITTER VF-202 Low Alarm
VAR_EXTERNAL	SPARE4_LALM	BOOL	%MX397	0	1	0	0	SPARE Low Alarm
VAR_EXTERNAL	DPT306_LALM	BOOL	%MX404	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPT307_LALM	BOOL	%MX411	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPT308_LALM	BOOL	%MX418	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPT309_LALM	BOOL	%MX425	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPT310_LALM	BOOL	%MX432	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPT300A_LALM	BOOL	%MX439	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPT300B_LALM	BOOL	%MX446	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	TT2001_LALM	BOOL	%MX453	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER Low Alarm
VAR_EXTERNAL	LTVF_203A_LALM	BOOL	%MX460	0	1	0	0	LEVEL TRANSMITTER VF-203 Low Alarm
VAR_EXTERNAL	LTVF_204A_LALM	BOOL	%MX467	0	1	0	0	LEVEL TRANSMITTER VF-204 Low Alarm
VAR_EXTERNAL	SPARE7_LALM	BOOL	%MX474	0	1	0	0	SPARE Low Alarm
VAR_EXTERNAL	SPARE8_LALM	BOOL	%MX481	0	1	0	0	SPARE Low Alarm
VAR_EXTERNAL	DPT311_LALM	BOOL	%MX488	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPT312_LALM	BOOL	%MX495	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPT313_LALM	BOOL	%MX502	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPT314_LALM	BOOL	%MX509	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPTMF11_LALM	BOOL	%MX516	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPTMF12_LALM	BOOL	%MX523	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPTMF13_LALM	BOOL	%MX530	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	DPTMF14_LALM	BOOL	%MX537	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Alarm
VAR_EXTERNAL	LTVF_205A_LALM	BOOL	%MX544	0	1	0	0	LEVEL TRANSMITTER VF-205 Low Alarm
VAR_EXTERNAL	LTVF_206A_LALM	BOOL	%MX551	0	1	0	0	LEVEL TRANSMITTER VF-206 Low Alarm
VAR_EXTERNAL	SPARE11_LALM	BOOL	%MX558	0	1	0	0	SPARE Low Alarm
VAR_EXTERNAL	SPARE12_LALM	BOOL	%MX565	0	1	0	0	SPARE Low Alarm
VAR_EXTERNAL	LTT1_LALM	BOOL	%MX572	0	1	0	0	LEVEL TRANSMITTER Low Alarm
VAR_EXTERNAL	LTT2_LALM	BOOL	%MX579	0	1	0	0	LEVEL TRANSMITTER Low Alarm
VAR_EXTERNAL	SPARE13_LALM	BOOL	%MX586	0	1	0	0	SPARE Low Alarm
VAR_EXTERNAL	SPARE14_LALM	BOOL	%MX593	0	1	0	0	SPARE Low Alarm
VAR_EXTERNAL	SPARE15_LALM	BOOL	%MX600	0	1	0	0	SPARE Low Alarm
VAR_EXTERNAL	SPARE16_LALM	BOOL	%MX607	0	1	0	0	SPARE Low Alarm
VAR_EXTERNAL	LTHSD1_LALM	BOOL	%MX614	0	1	0	0	LEVEL TRANSMITTER Low Alarm
VAR_EXTERNAL	LTT211_LALM	BOOL	%MX621	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Low Alarm
VAR_EXTERNAL	LTT212_LALM	BOOL	%MX628	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Low Alarm
VAR_EXTERNAL	LTT213_LALM	BOOL	%MX635	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Low Alarm
VAR_EXTERNAL	PF301_VFD_SIS_LALM	BOOL	%MX642	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL Low Alarm
VAR_EXTERNAL	PF302_VFD_SIS_LALM	BOOL	%MX649	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL Low Alarm
VAR_EXTERNAL	PF303_VFD_SIS_LALM	BOOL	%MX656	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL Low Alarm
VAR_EXTERNAL	PF304_VFD_SIS_LALM	BOOL	%MX663	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL Low Alarm
VAR_EXTERNAL	PF305_VFD_SIS_LALM	BOOL	%MX670	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL Low Alarm
VAR_EXTERNAL	PF306_VFD_SIS_LALM	BOOL	%MX677	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL Low Alarm
VAR_EXTERNAL	PF307_VFD_SIS_LALM	BOOL	%MX684	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL Low Alarm
VAR_EXTERNAL	PF308_VFD_SIS_LALM	BOOL	%MX691	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL Low Alarm
VAR_EXTERNAL	PF309_VFD_SIS_LALM	BOOL	%MX698	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL Low Alarm
VAR_EXTERNAL	PF310_VFD_SIS_LALM	BOOL	%MX705	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL Low Alarm
VAR_EXTERNAL	SPARE17_LALM	BOOL	%MX712	0	1	0	0	SPARE Low Alarm

VAR_EXTERNAL	SPARE18_LLALM	BOOL	%MX719	0	1	0	0	SPARE Low Alarm
VAR_EXTERNAL	SPARE19_LLALM	BOOL	%MX726	0	1	0	0	SPARE Low Alarm
VAR_EXTERNAL	SPARE20_LLALM	BOOL	%MX733	0	1	0	0	SPARE Low Alarm
VAR_EXTERNAL	SPARE21_LLALM	BOOL	%MX740	0	1	0	0	SPARE Low Alarm
VAR_EXTERNAL	SPARE22_LLALM	BOOL	%MX747	0	1	0	0	SPARE Low Alarm
VAR_EXTERNAL	FT501_LLALM	BOOL	%MX307	0	1	0	0	FLOW TRANSMITTER-MASS Low Low Alarm
VAR_EXTERNAL	SPARE1_LLALM	BOOL	%MX314	0	1	0	0	SPARE Low Low Alarm
VAR_EXTERNAL	DPT301_LLALM	BOOL	%MX321	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPT302_LLALM	BOOL	%MX328	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPT303_LLALM	BOOL	%MX335	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPT304_LLALM	BOOL	%MX342	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPT305_LLALM	BOOL	%MX349	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	PT401_LLALM	BOOL	%MX356	0	1	0	0	PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	FT401_LLALM	BOOL	%MX363	0	1	0	0	FLOW TRANSMITTER Low Low Alarm
VAR_EXTERNAL	PT402_LLALM	BOOL	%MX370	0	1	0	0	PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	FT402_LLALM	BOOL	%MX377	0	1	0	0	FLOW TRANSMITTER Low Low Alarm
VAR_EXTERNAL	LTVF_201A_LLALM	BOOL	%MX384	0	1	0	0	LEVEL TRANSMITTER VF-201 Low Low Alarm
VAR_EXTERNAL	LTVF_202A_LLALM	BOOL	%MX391	0	1	0	0	LEVEL TRANSMITTER VF-202 Low Low Alarm
VAR_EXTERNAL	SPARE4_LLALM	BOOL	%MX398	0	1	0	0	SPARE Low Low Alarm
VAR_EXTERNAL	DPT306_LLALM	BOOL	%MX405	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPT307_LLALM	BOOL	%MX412	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPT308_LLALM	BOOL	%MX419	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPT309_LLALM	BOOL	%MX426	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPT310_LLALM	BOOL	%MX433	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPT300A_LLALM	BOOL	%MX440	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPT300B_LLALM	BOOL	%MX447	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	TT2001_LLALM	BOOL	%MX454	0	1	0	0	HEADER LINE TEMPERATURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	LTVF_203A_LLALM	BOOL	%MX461	0	1	0	0	LEVEL TRANSMITTER VF-203 Low Low Alarm
VAR_EXTERNAL	LTVF_204A_LLALM	BOOL	%MX468	0	1	0	0	LEVEL TRANSMITTER VF-204 Low Low Alarm
VAR_EXTERNAL	SPARE7_LLALM	BOOL	%MX475	0	1	0	0	SPARE Low Low Alarm
VAR_EXTERNAL	SPARE8_LLALM	BOOL	%MX482	0	1	0	0	SPARE Low Low Alarm
VAR_EXTERNAL	DPT311_LLALM	BOOL	%MX489	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPT312_LLALM	BOOL	%MX496	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPT313_LLALM	BOOL	%MX503	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPT314_LLALM	BOOL	%MX510	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPTMF11_LLALM	BOOL	%MX517	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPTMF12_LLALM	BOOL	%MX524	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPTMF13_LLALM	BOOL	%MX531	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	DPTMF14_LLALM	BOOL	%MX538	0	1	0	0	DIFF. PRESSURE TRANSMITTER Low Low Alarm
VAR_EXTERNAL	LTVF_205A_LLALM	BOOL	%MX545	0	1	0	0	LEVEL TRANSMITTER VF-205 Low Low Alarm
VAR_EXTERNAL	LTVF_206A_LLALM	BOOL	%MX552	0	1	0	0	LEVEL TRANSMITTER VF-206 Low Low Alarm
VAR_EXTERNAL	SPARE11_LLALM	BOOL	%MX559	0	1	0	0	SPARE Low Low Alarm
VAR_EXTERNAL	SPARE12_LLALM	BOOL	%MX566	0	1	0	0	SPARE Low Low Alarm
VAR_EXTERNAL	LTT1_LLALM	BOOL	%MX573	0	1	0	0	LEVEL TRANSMITTER Low Low Alarm
VAR_EXTERNAL	LTT2_LLALM	BOOL	%MX580	0	1	0	0	LEVEL TRANSMITTER Low Low Alarm
VAR_EXTERNAL	SPARE13_LLALM	BOOL	%MX587	0	1	0	0	SPARE Low Low Alarm

VAR_EXTERNAL	SPARE14_LLALM	BOOL	%MX594	0	1	0	0	SPARE Low Low Alarm
VAR_EXTERNAL	SPARE15_LLALM	BOOL	%MX601	0	1	0	0	SPARE Low Low Alarm
VAR_EXTERNAL	SPARE16_LLALM	BOOL	%MX608	0	1	0	0	SPARE Low Low Alarm
VAR_EXTERNAL	LTHSD1_LLALM	BOOL	%MX615	0	1	0	0	LEVEL TRANSMITTER Low Low Alarm
VAR_EXTERNAL	LTT211_LLALM	BOOL	%MX622	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Low Low Alarm
VAR_EXTERNAL	LTT212_LLALM	BOOL	%MX629	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Low Low Alarm
VAR_EXTERNAL	LTT213_LLALM	BOOL	%MX636	0	1	0	0	LEVEL TRANSMITTER-GUIDED WAVE RADAR Low Low Alarm
VAR_EXTERNAL	PF301_VFD_SIS_LLALM	BOOL	%MX643	0	1	0	0	TRANSFER PUMP VFD PF301 SPEED INDICATION SIGNAL Low Low Alarm
VAR_EXTERNAL	PF302_VFD_SIS_LLALM	BOOL	%MX650	0	1	0	0	TRANSFER PUMP VFD PF302 SPEED INDICATION SIGNAL Low Low Alarm
VAR_EXTERNAL	PF303_VFD_SIS_LLALM	BOOL	%MX657	0	1	0	0	TRANSFER PUMP VFD PF303 SPEED INDICATION SIGNAL Low Low Alarm
VAR_EXTERNAL	PF304_VFD_SIS_LLALM	BOOL	%MX664	0	1	0	0	TRANSFER PUMP VFD PF304 SPEED INDICATION SIGNAL Low Low Alarm
VAR_EXTERNAL	PF305_VFD_SIS_LLALM	BOOL	%MX671	0	1	0	0	TRANSFER PUMP VFD PF305 SPEED INDICATION SIGNAL Low Low Alarm
VAR_EXTERNAL	PF306_VFD_SIS_LLALM	BOOL	%MX678	0	1	0	0	TRANSFER PUMP VFD PF306 SPEED INDICATION SIGNAL Low Low Alarm
VAR_EXTERNAL	PF307_VFD_SIS_LLALM	BOOL	%MX685	0	1	0	0	TRANSFER PUMP VFD PF307 SPEED INDICATION SIGNAL Low Low Alarm
VAR_EXTERNAL	PF308_VFD_SIS_LLALM	BOOL	%MX692	0	1	0	0	TRANSFER PUMP VFD PF308 SPEED INDICATION SIGNAL Low Low Alarm
VAR_EXTERNAL	PF309_VFD_SIS_LLALM	BOOL	%MX699	0	1	0	0	TRANSFER PUMP VFD PF309 SPEED INDICATION SIGNAL Low Low Alarm
VAR_EXTERNAL	PF310_VFD_SIS_LLALM	BOOL	%MX706	0	1	0	0	TRANSFER PUMP VFD PF310 SPEED INDICATION SIGNAL Low Low Alarm
VAR_EXTERNAL	SPARE17_LLALM	BOOL	%MX713	0	1	0	0	SPARE Low Low Alarm
VAR_EXTERNAL	SPARE18_LLALM	BOOL	%MX720	0	1	0	0	SPARE Low Low Alarm
VAR_EXTERNAL	SPARE19_LLALM	BOOL	%MX727	0	1	0	0	SPARE Low Low Alarm
VAR_EXTERNAL	SPARE20_LLALM	BOOL	%MX734	0	1	0	0	SPARE Low Low Alarm
VAR_EXTERNAL	SPARE21_LLALM	BOOL	%MX741	0	1	0	0	SPARE Low Low Alarm
VAR_EXTERNAL	SPARE22_LLALM	BOOL	%MX748	0	1	0	0	SPARE Low Low Alarm

Chassis/ RACK	Slot	Channel	SYSTEM TAG	Description	Equipme nt	<PLC TAG>	MV OUT	K_p	OP MAN	OP MAX	OP MIN	SP	SP MAX	SP MIN	T_d	T_i	Deadban d	AUTO	REV
3	1	0	PF-301-VFD-SCS	TRANSFER PUMP VFD SPEED CONTROL SIGNAL	VFD	PF301_VFD_SCS	%RD627	%RD643	%RD644	%RD645	%RD646	%RD647	%RD648	%RD649	%RD650	%RD651	%RW1574	%MX801	%MX802
3	1	1	PF-302-VFD-SCS	TRANSFER PUMP VFD SPEED CONTROL SIGNAL	VFD	PF302_VFD_SCS	%RD628	%RD652	%RD653	%RD654	%RD655	%RD656	%RD657	%RD658	%RD659	%RD660	%RW1575	%MX803	%MX804
3	1	2	PF-303-VFD-SCS	TRANSFER PUMP VFD SPEED CONTROL SIGNAL	VFD	PF303_VFD_SCS	%RD629	%RD661	%RD662	%RD663	%RD664	%RD665	%RD666	%RD667	%RD668	%RD669	%RW1576	%MX805	%MX806
3	1	3	PF-304-VFD-SCS	TRANSFER PUMP VFD SPEED CONTROL SIGNAL	VFD	PF304_VFD_SCS	%RD630	%RD670	%RD671	%RD672	%RD673	%RD674	%RD675	%RD676	%RD677	%RD678	%RW1577	%MX807	%MX808
3	1	4	PF-305-VFD-SCS	TRANSFER PUMP VFD SPEED CONTROL SIGNAL	VFD	PF305_VFD_SCS	%RD631	%RD679	%RD680	%RD681	%RD682	%RD683	%RD684	%RD685	%RD686	%RD687	%RW1578	%MX809	%MX810
3	1	5	PF-306-VFD-SCS	TRANSFER PUMP VFD SPEED CONTROL SIGNAL	VFD	PF306_VFD_SCS	%RD632	%RD688	%RD689	%RD690	%RD691	%RD692	%RD693	%RD694	%RD695	%RD696	%RW1579	%MX811	%MX812
3	1	6	SPARE	SPARE	VFD	SPARE23	%RD633	%RD697	%RD698	%RD699	%RD700	%RD701	%RD702	%RD703	%RD704	%RD705	%RW1580	%MX813	%MX814
3	1	7	SPARE	SPARE	VFD	SPARE24	%RD634	%RD706	%RD707	%RD708	%RD709	%RD710	%RD711	%RD712	%RD713	%RD714	%RW1581	%MX815	%MX816
3	2	0	PF-307-VFD-SCS	TRANSFER PUMP VFD SPEED CONTROL SIGNAL	VFD	PF307_VFD_SCS	%RD635	%RD715	%RD716	%RD717	%RD718	%RD719	%RD720	%RD721	%RD722	%RD723	%RW1582	%MX817	%MX818
3	2	1	PF-308-VFD-SCS	TRANSFER PUMP VFD SPEED CONTROL SIGNAL	VFD	PF308_VFD_SCS	%RD636	%RD724	%RD725	%RD726	%RD727	%RD728	%RD729	%RD730	%RD731	%RD732	%RW1583	%MX819	%MX820
3	2	2	PF-309-VFD-SCS	TRANSFER PUMP VFD SPEED CONTROL SIGNAL	VFD	PF309_VFD_SCS	%RD637	%RD733	%RD734	%RD735	%RD736	%RD737	%RD738	%RD739	%RD740	%RD741	%RW1584	%MX821	%MX822
3	2	3	PF-310-VFD-SCS	TRANSFER PUMP VFD SPEED CONTROL SIGNAL	VFD	PF310_VFD_SCS	%RD638	%RD742	%RD743	%RD744	%RD745	%RD746	%RD747	%RD748	%RD749	%RD750	%RW1585	%MX823	%MX824
3	2	4	SPARE	SPARE	VFD	SPARE25	%RD639	%RD751	%RD752	%RD753	%RD754	%RD755	%RD756	%RD757	%RD758	%RD759	%RW1586	%MX825	%MX826
3	2	5	SPARE	SPARE	VFD	SPARE26	%RD640	%RD760	%RD761	%RD762	%RD763	%RD764	%RD765	%RD766	%RD767	%RD768	%RW1587	%MX827	%MX828
3	2	6	SPARE	SPARE	VFD	SPARE27	%RD641	%RD769	%RD770	%RD771	%RD772	%RD773	%RD774	%RD775	%RD776	%RD777	%RW1588	%MX829	%MX830
3	2	7	SPARE	SPARE	VFD	SPARE28	%RD642	%RD778	%RD779	%RD780	%RD781	%RD782	%RD783	%RD784	%RD785	%RD786	%RW1589	%MX831	%MX832



VAR_EXTERNAL	PF301_VFD_SCS	REAL	%RD627	0	1	0	0	TRANSFER PUMP 301 VFD SPEED CONTROL SIGNAL
VAR_EXTERNAL	PF302_VFD_SCS	REAL	%RD628	0	1	0	0	TRANSFER PUMP 302 VFD SPEED CONTROL SIGNAL
VAR_EXTERNAL	PF303_VFD_SCS	REAL	%RD629	0	1	0	0	TRANSFER PUMP 303 VFD SPEED CONTROL SIGNAL
VAR_EXTERNAL	PF304_VFD_SCS	REAL	%RD630	0	1	0	0	TRANSFER PUMP 304 VFD SPEED CONTROL SIGNAL
VAR_EXTERNAL	PF305_VFD_SCS	REAL	%RD631	0	1	0	0	TRANSFER PUMP 305 VFD SPEED CONTROL SIGNAL
VAR_EXTERNAL	PF306_VFD_SCS	REAL	%RD632	0	1	0	0	TRANSFER PUMP 306 VFD SPEED CONTROL SIGNAL
VAR_EXTERNAL	SPARE23	REAL	%RD633	0	1	0	0	SPARE
VAR_EXTERNAL	SPARE24	REAL	%RD634	0	1	0	0	SPARE
VAR_EXTERNAL	PF307_VFD_SCS	REAL	%RD635	0	1	0	0	TRANSFER PUMP 307 VFD SPEED CONTROL SIGNAL
VAR_EXTERNAL	PF308_VFD_SCS	REAL	%RD636	0	1	0	0	TRANSFER PUMP 308 VFD SPEED CONTROL SIGNAL
VAR_EXTERNAL	PF309_VFD_SCS	REAL	%RD637	0	1	0	0	TRANSFER PUMP 309 VFD SPEED CONTROL SIGNAL
VAR_EXTERNAL	PF310_VFD_SCS	REAL	%RD638	0	1	0	0	TRANSFER PUMP 310 VFD SPEED CONTROL SIGNAL
VAR_EXTERNAL	SPARE25	REAL	%RD639	0	1	0	0	SPARE
VAR_EXTERNAL	SPARE26	REAL	%RD640	0	1	0	0	SPARE
VAR_EXTERNAL	SPARE27	REAL	%RD641	0	1	0	0	SPARE
VAR_EXTERNAL	SPARE28	REAL	%RD642	0	1	0	0	SPARE

VAR	PF301_VFD_SCS_K_p	REAL	%RD643	0	1	0	0	TRANSFER PUMP 301 VFD SPEED CONTROL SIGNAL PROPORTIONAL GAIN
VAR	PF302_VFD_SCS_K_p	REAL	%RD652	0	1	0	0	TRANSFER PUMP 302 VFD SPEED CONTROL SIGNAL PROPORTIONAL GAIN
VAR	PF303_VFD_SCS_K_p	REAL	%RD661	0	1	0	0	TRANSFER PUMP 303 VFD SPEED CONTROL SIGNAL PROPORTIONAL GAIN
VAR	PF304_VFD_SCS_K_p	REAL	%RD670	0	1	0	0	TRANSFER PUMP 304 VFD SPEED CONTROL SIGNAL PROPORTIONAL GAIN
VAR	PF305_VFD_SCS_K_p	REAL	%RD679	0	1	0	0	TRANSFER PUMP 305 VFD SPEED CONTROL SIGNAL PROPORTIONAL GAIN
VAR	PF306_VFD_SCS_K_p	REAL	%RD688	0	1	0	0	TRANSFER PUMP 306 VFD SPEED CONTROL SIGNAL PROPORTIONAL GAIN
VAR	SPARE23_K_p	REAL	%RD697	0	1	0	0	SPARE
VAR	SPARE24_K_p	REAL	%RD706	0	1	0	0	SPARE
VAR	PF307_VFD_SCS_K_p	REAL	%RD715	0	1	0	0	TRANSFER PUMP 307 VFD SPEED CONTROL SIGNAL PROPORTIONAL GAIN
VAR	PF308_VFD_SCS_K_p	REAL	%RD724	0	1	0	0	TRANSFER PUMP 308 VFD SPEED CONTROL SIGNAL PROPORTIONAL GAIN
VAR	PF309_VFD_SCS_K_p	REAL	%RD733	0	1	0	0	TRANSFER PUMP 309 VFD SPEED CONTROL SIGNAL PROPORTIONAL GAIN
VAR	PF310_VFD_SCS_K_p	REAL	%RD742	0	1	0	0	TRANSFER PUMP 310 VFD SPEED CONTROL SIGNAL PROPORTIONAL GAIN
VAR	SPARE25_K_p	REAL	%RD751	0	1	0	0	SPARE
VAR	SPARE26_K_p	REAL	%RD760	0	1	0	0	SPARE
VAR	SPARE27_K_p	REAL	%RD769	0	1	0	0	SPARE
VAR	SPARE28_K_p	REAL	%RD778	0	1	0	0	SPARE

VAR	PF301_VFD_SCS_OP_MAN	REAL	%RD644	0	1	0	0	TRANSFER PUMP 301 VFD SPEED CONTROL SIGNAL MANUAL OUTPUT
VAR	PF302_VFD_SCS_OP_MAN	REAL	%RD653	0	1	0	0	TRANSFER PUMP 302 VFD SPEED CONTROL SIGNAL MANUAL OUTPUT
VAR	PF303_VFD_SCS_OP_MAN	REAL	%RD662	0	1	0	0	TRANSFER PUMP 303 VFD SPEED CONTROL SIGNAL MANUAL OUTPUT
VAR	PF304_VFD_SCS_OP_MAN	REAL	%RD671	0	1	0	0	TRANSFER PUMP 304 VFD SPEED CONTROL SIGNAL MANUAL OUTPUT
VAR	PF305_VFD_SCS_OP_MAN	REAL	%RD680	0	1	0	0	TRANSFER PUMP 305 VFD SPEED CONTROL SIGNAL MANUAL OUTPUT
VAR	PF306_VFD_SCS_OP_MAN	REAL	%RD689	0	1	0	0	TRANSFER PUMP 306 VFD SPEED CONTROL SIGNAL MANUAL OUTPUT
VAR	SPARE23_OP_MAN	REAL	%RD698	0	1	0	0	SPARE

VAR	SPARE24_OP_MAN	REAL	%RD707	0	1	0	0	SPARE
VAR	PF307_VFD_SCS_OP_MAN	REAL	%RD716	0	1	0	0	TRANSFER PUMP 307 VFD SPEED CONTROL SIGNAL MANUAL OUTPUT
VAR	PF308_VFD_SCS_OP_MAN	REAL	%RD725	0	1	0	0	TRANSFER PUMP 308 VFD SPEED CONTROL SIGNAL MANUAL OUTPUT
VAR	PF309_VFD_SCS_OP_MAN	REAL	%RD734	0	1	0	0	TRANSFER PUMP 309 VFD SPEED CONTROL SIGNAL MANUAL OUTPUT
VAR	PF310_VFD_SCS_OP_MAN	REAL	%RD743	0	1	0	0	TRANSFER PUMP 310 VFD SPEED CONTROL SIGNAL MANUAL OUTPUT
VAR	SPARE25_OP_MAN	REAL	%RD752	0	1	0	0	SPARE
VAR	SPARE26_OP_MAN	REAL	%RD761	0	1	0	0	SPARE
VAR	SPARE27_OP_MAN	REAL	%RD770	0	1	0	0	SPARE
VAR	SPARE28_OP_MAN	REAL	%RD779	0	1	0	0	SPARE

VAR	PF301_VFD_SCS_OP_MAX	REAL	%RD645	0	1	0	0	TRANSFER PUMP 301 VFD SPEED CONTROL SIGNAL MAXIMUM OUTPUT
VAR	PF302_VFD_SCS_OP_MAX	REAL	%RD654	0	1	0	0	TRANSFER PUMP 302 VFD SPEED CONTROL SIGNAL MAXIMUM OUTPUT
VAR	PF303_VFD_SCS_OP_MAX	REAL	%RD663	0	1	0	0	TRANSFER PUMP 303 VFD SPEED CONTROL SIGNAL MAXIMUM OUTPUT
VAR	PF304_VFD_SCS_OP_MAX	REAL	%RD672	0	1	0	0	TRANSFER PUMP 304 VFD SPEED CONTROL SIGNAL MAXIMUM OUTPUT
VAR	PF305_VFD_SCS_OP_MAX	REAL	%RD681	0	1	0	0	TRANSFER PUMP 305 VFD SPEED CONTROL SIGNAL MAXIMUM OUTPUT
VAR	PF306_VFD_SCS_OP_MAX	REAL	%RD690	0	1	0	0	TRANSFER PUMP 306 VFD SPEED CONTROL SIGNAL MAXIMUM OUTPUT
VAR	SPARE23_OP_MAX	REAL	%RD699	0	1	0	0	SPARE
VAR	SPARE24_OP_MAX	REAL	%RD708	0	1	0	0	SPARE
VAR	PF307_VFD_SCS_OP_MAX	REAL	%RD717	0	1	0	0	TRANSFER PUMP 307 VFD SPEED CONTROL SIGNAL MAXIMUM OUTPUT
VAR	PF308_VFD_SCS_OP_MAX	REAL	%RD726	0	1	0	0	TRANSFER PUMP 308 VFD SPEED CONTROL SIGNAL MAXIMUM OUTPUT
VAR	PF309_VFD_SCS_OP_MAX	REAL	%RD735	0	1	0	0	TRANSFER PUMP 309 VFD SPEED CONTROL SIGNAL MAXIMUM OUTPUT
VAR	PF310_VFD_SCS_OP_MAX	REAL	%RD744	0	1	0	0	TRANSFER PUMP 310 VFD SPEED CONTROL SIGNAL MAXIMUM OUTPUT
VAR	SPARE25_OP_MAX	REAL	%RD753	0	1	0	0	SPARE
VAR	SPARE26_OP_MAX	REAL	%RD762	0	1	0	0	SPARE
VAR	SPARE27_OP_MAX	REAL	%RD771	0	1	0	0	SPARE
VAR	SPARE28_OP_MAX	REAL	%RD780	0	1	0	0	SPARE

VAR	PF301_VFD_SCS_OP_MIN	REAL	%RD646	0	1	0	0	TRANSFER PUMP 301 VFD SPEED CONTROL SIGNAL MINNIMUM OUTPUT
VAR	PF302_VFD_SCS_OP_MIN	REAL	%RD655	0	1	0	0	TRANSFER PUMP 302 VFD SPEED CONTROL SIGNAL MINNIMUM OUTPUT
VAR	PF303_VFD_SCS_OP_MIN	REAL	%RD664	0	1	0	0	TRANSFER PUMP 303 VFD SPEED CONTROL SIGNAL MINNIMUM OUTPUT
VAR	PF304_VFD_SCS_OP_MIN	REAL	%RD673	0	1	0	0	TRANSFER PUMP 304 VFD SPEED CONTROL SIGNAL MINNIMUM OUTPUT
VAR	PF305_VFD_SCS_OP_MIN	REAL	%RD682	0	1	0	0	TRANSFER PUMP 305 VFD SPEED CONTROL SIGNAL MINNIMUM OUTPUT
VAR	PF306_VFD_SCS_OP_MIN	REAL	%RD691	0	1	0	0	TRANSFER PUMP 306 VFD SPEED CONTROL SIGNAL MINNIMUM OUTPUT
VAR	SPARE23_OP_MIN	REAL	%RD700	0	1	0	0	SPARE
VAR	SPARE24_OP_MIN	REAL	%RD709	0	1	0	0	SPARE
VAR	PF307_VFD_SCS_OP_MIN	REAL	%RD718	0	1	0	0	TRANSFER PUMP 307 VFD SPEED CONTROL SIGNAL MINNIMUM OUTPUT
VAR	PF308_VFD_SCS_OP_MIN	REAL	%RD727	0	1	0	0	TRANSFER PUMP 308 VFD SPEED CONTROL SIGNAL MINNIMUM OUTPUT
VAR	PF309_VFD_SCS_OP_MIN	REAL	%RD736	0	1	0	0	TRANSFER PUMP 309 VFD SPEED CONTROL SIGNAL MINNIMUM OUTPUT
VAR	PF310_VFD_SCS_OP_MIN	REAL	%RD745	0	1	0	0	TRANSFER PUMP 310 VFD SPEED CONTROL SIGNAL MINNIMUM OUTPUT
VAR	SPARE25_OP_MIN	REAL	%RD754	0	1	0	0	SPARE
VAR	SPARE26_OP_MIN	REAL	%RD763	0	1	0	0	SPARE

VAR	SPARE27_OP_MIN	REAL	%RD772	0	1	0	0	SPARE
VAR	SPARE28_OP_MIN	REAL	%RD781	0	1	0	0	SPARE

VAR	PF301_VFD_SCS_SP	REAL	%RD647	0	1	0	0	TRANSFER PUMP 301 VFD SPEED CONTROL SIGNAL SETPOINT
VAR	PF302_VFD_SCS_SP	REAL	%RD656	0	1	0	0	TRANSFER PUMP 302 VFD SPEED CONTROL SIGNAL SETPOINT
VAR	PF303_VFD_SCS_SP	REAL	%RD665	0	1	0	0	TRANSFER PUMP 303 VFD SPEED CONTROL SIGNAL SETPOINT
VAR	PF304_VFD_SCS_SP	REAL	%RD674	0	1	0	0	TRANSFER PUMP 304 VFD SPEED CONTROL SIGNAL SETPOINT
VAR	PF305_VFD_SCS_SP	REAL	%RD683	0	1	0	0	TRANSFER PUMP 305 VFD SPEED CONTROL SIGNAL SETPOINT
VAR	PF306_VFD_SCS_SP	REAL	%RD692	0	1	0	0	TRANSFER PUMP 306 VFD SPEED CONTROL SIGNAL SETPOINT
VAR	SPARE23_SP	REAL	%RD701	0	1	0	0	SPARE
VAR	SPARE24_SP	REAL	%RD710	0	1	0	0	SPARE
VAR	PF307_VFD_SCS_SP	REAL	%RD719	0	1	0	0	TRANSFER PUMP 307 VFD SPEED CONTROL SIGNAL SETPOINT
VAR	PF308_VFD_SCS_SP	REAL	%RD728	0	1	0	0	TRANSFER PUMP 308 VFD SPEED CONTROL SIGNAL SETPOINT
VAR	PF309_VFD_SCS_SP	REAL	%RD737	0	1	0	0	TRANSFER PUMP 309 VFD SPEED CONTROL SIGNAL SETPOINT
VAR	PF310_VFD_SCS_SP	REAL	%RD746	0	1	0	0	TRANSFER PUMP 310 VFD SPEED CONTROL SIGNAL SETPOINT
VAR	SPARE25_SP	REAL	%RD755	0	1	0	0	SPARE
VAR	SPARE26_SP	REAL	%RD764	0	1	0	0	SPARE
VAR	SPARE27_SP	REAL	%RD773	0	1	0	0	SPARE
VAR	SPARE28_SP	REAL	%RD782	0	1	0	0	SPARE

VAR	PF301_VFD_SCS_SP_MAX	REAL	%RD648	0	1	0	0	TRANSFER PUMP 301 VFD SPEED CONTROL SIGNAL MAXIMUM SETPOINT
VAR	PF302_VFD_SCS_SP_MAX	REAL	%RD657	0	1	0	0	TRANSFER PUMP 302 VFD SPEED CONTROL SIGNAL MAXIMUM SETPOINT
VAR	PF303_VFD_SCS_SP_MAX	REAL	%RD666	0	1	0	0	TRANSFER PUMP 303 VFD SPEED CONTROL SIGNAL MAXIMUM SETPOINT
VAR	PF304_VFD_SCS_SP_MAX	REAL	%RD675	0	1	0	0	TRANSFER PUMP 304 VFD SPEED CONTROL SIGNAL MAXIMUM SETPOINT
VAR	PF305_VFD_SCS_SP_MAX	REAL	%RD684	0	1	0	0	TRANSFER PUMP 305 VFD SPEED CONTROL SIGNAL MAXIMUM SETPOINT
VAR	PF306_VFD_SCS_SP_MAX	REAL	%RD693	0	1	0	0	TRANSFER PUMP 306 VFD SPEED CONTROL SIGNAL MAXIMUM SETPOINT
VAR	SPARE23_SP_MAX	REAL	%RD702	0	1	0	0	SPARE
VAR	SPARE24_SP_MAX	REAL	%RD711	0	1	0	0	SPARE
VAR	PF307_VFD_SCS_SP_MAX	REAL	%RD720	0	1	0	0	TRANSFER PUMP 307 VFD SPEED CONTROL SIGNAL MAXIMUM SETPOINT
VAR	PF308_VFD_SCS_SP_MAX	REAL	%RD729	0	1	0	0	TRANSFER PUMP 308 VFD SPEED CONTROL SIGNAL MAXIMUM SETPOINT
VAR	PF309_VFD_SCS_SP_MAX	REAL	%RD738	0	1	0	0	TRANSFER PUMP 309 VFD SPEED CONTROL SIGNAL MAXIMUM SETPOINT
VAR	PF310_VFD_SCS_SP_MAX	REAL	%RD747	0	1	0	0	TRANSFER PUMP 310 VFD SPEED CONTROL SIGNAL MAXIMUM SETPOINT
VAR	SPARE25_SP_MAX	REAL	%RD756	0	1	0	0	SPARE
VAR	SPARE26_SP_MAX	REAL	%RD765	0	1	0	0	SPARE
VAR	SPARE27_SP_MAX	REAL	%RD774	0	1	0	0	SPARE
VAR	SPARE28_SP_MAX	REAL	%RD783	0	1	0	0	SPARE

VAR	PF301_VFD_SCS_SP_MIN	REAL	%RD649	0	1	0	0	TRANSFER PUMP 301 VFD SPEED CONTROL SIGNAL MINIMUM SETPOINT
VAR	PF302_VFD_SCS_SP_MIN	REAL	%RD658	0	1	0	0	TRANSFER PUMP 302 VFD SPEED CONTROL SIGNAL MINIMUM SETPOINT
VAR	PF303_VFD_SCS_SP_MIN	REAL	%RD667	0	1	0	0	TRANSFER PUMP 303 VFD SPEED CONTROL SIGNAL MINIMUM SETPOINT
VAR	PF304_VFD_SCS_SP_MIN	REAL	%RD676	0	1	0	0	TRANSFER PUMP 304 VFD SPEED CONTROL SIGNAL MINIMUM SETPOINT

VAR	PF305_VFD_SCS_SP_MIN	REAL	%RD685	0	1	0	0	TRANSFER PUMP 305 VFD SPEED CONTROL SIGNAL MINNIMUM SETPOINT
VAR	PF306_VFD_SCS_SP_MIN	REAL	%RD694	0	1	0	0	TRANSFER PUMP 306 VFD SPEED CONTROL SIGNAL MINNIMUM SETPOINT
VAR	SPARE23_SP_MIN	REAL	%RD703	0	1	0	0	SPARE
VAR	SPARE24_SP_MIN	REAL	%RD712	0	1	0	0	SPARE
VAR	PF307_VFD_SCS_SP_MIN	REAL	%RD721	0	1	0	0	TRANSFER PUMP 307 VFD SPEED CONTROL SIGNAL MINNIMUM SETPOINT
VAR	PF308_VFD_SCS_SP_MIN	REAL	%RD730	0	1	0	0	TRANSFER PUMP 308 VFD SPEED CONTROL SIGNAL MINNIMUM SETPOINT
VAR	PF309_VFD_SCS_SP_MIN	REAL	%RD739	0	1	0	0	TRANSFER PUMP 309 VFD SPEED CONTROL SIGNAL MINNIMUM SETPOINT
VAR	PF310_VFD_SCS_SP_MIN	REAL	%RD748	0	1	0	0	TRANSFER PUMP 310 VFD SPEED CONTROL SIGNAL MINNIMUM SETPOINT
VAR	SPARE25_SP_MIN	REAL	%RD757	0	1	0	0	SPARE
VAR	SPARE26_SP_MIN	REAL	%RD766	0	1	0	0	SPARE
VAR	SPARE27_SP_MIN	REAL	%RD775	0	1	0	0	SPARE
VAR	SPARE28_SP_MIN	REAL	%RD784	0	1	0	0	SPARE

VAR	PF301_VFD_SCS_T_d	REAL	%RD650	0	1	0	0	TRANSFER PUMP 301 VFD SPEED CONTROL SIGNAL DERIVATIVE TIME
VAR	PF302_VFD_SCS_T_d	REAL	%RD659	0	1	0	0	TRANSFER PUMP 302 VFD SPEED CONTROL SIGNAL DERIVATIVE TIME
VAR	PF303_VFD_SCS_T_d	REAL	%RD668	0	1	0	0	TRANSFER PUMP 303 VFD SPEED CONTROL SIGNAL DERIVATIVE TIME
VAR	PF304_VFD_SCS_T_d	REAL	%RD677	0	1	0	0	TRANSFER PUMP 304 VFD SPEED CONTROL SIGNAL DERIVATIVE TIME
VAR	PF305_VFD_SCS_T_d	REAL	%RD686	0	1	0	0	TRANSFER PUMP 305 VFD SPEED CONTROL SIGNAL DERIVATIVE TIME
VAR	PF306_VFD_SCS_T_d	REAL	%RD695	0	1	0	0	TRANSFER PUMP 306 VFD SPEED CONTROL SIGNAL DERIVATIVE TIME
VAR	SPARE23_T_d	REAL	%RD704	0	1	0	0	SPARE
VAR	SPARE24_T_d	REAL	%RD713	0	1	0	0	SPARE
VAR	PF307_VFD_SCS_T_d	REAL	%RD722	0	1	0	0	TRANSFER PUMP 307 VFD SPEED CONTROL SIGNAL DERIVATIVE TIME
VAR	PF308_VFD_SCS_T_d	REAL	%RD731	0	1	0	0	TRANSFER PUMP 308 VFD SPEED CONTROL SIGNAL DERIVATIVE TIME
VAR	PF309_VFD_SCS_T_d	REAL	%RD740	0	1	0	0	TRANSFER PUMP 309 VFD SPEED CONTROL SIGNAL DERIVATIVE TIME
VAR	PF310_VFD_SCS_T_d	REAL	%RD749	0	1	0	0	TRANSFER PUMP 310 VFD SPEED CONTROL SIGNAL DERIVATIVE TIME
VAR	SPARE25_T_d	REAL	%RD758	0	1	0	0	SPARE
VAR	SPARE26_T_d	REAL	%RD767	0	1	0	0	SPARE
VAR	SPARE27_T_d	REAL	%RD776	0	1	0	0	SPARE
VAR	SPARE28_T_d	REAL	%RD785	0	1	0	0	SPARE

VAR	PF301_VFD_SCS_T_i	REAL	%RD651	0	1	0	0	TRANSFER PUMP 301 VFD SPEED CONTROL SIGNAL INTEGRAL TIME
VAR	PF302_VFD_SCS_T_i	REAL	%RD660	0	1	0	0	TRANSFER PUMP 302 VFD SPEED CONTROL SIGNAL INTEGRAL TIME
VAR	PF303_VFD_SCS_T_i	REAL	%RD669	0	1	0	0	TRANSFER PUMP 303 VFD SPEED CONTROL SIGNAL INTEGRAL TIME
VAR	PF304_VFD_SCS_T_i	REAL	%RD678	0	1	0	0	TRANSFER PUMP 304 VFD SPEED CONTROL SIGNAL INTEGRAL TIME
VAR	PF305_VFD_SCS_T_i	REAL	%RD687	0	1	0	0	TRANSFER PUMP 305 VFD SPEED CONTROL SIGNAL INTEGRAL TIME
VAR	PF306_VFD_SCS_T_i	REAL	%RD696	0	1	0	0	TRANSFER PUMP 306 VFD SPEED CONTROL SIGNAL INTEGRAL TIME
VAR	SPARE23_T_i	REAL	%RD705	0	1	0	0	SPARE
VAR	SPARE24_T_i	REAL	%RD714	0	1	0	0	SPARE
VAR	PF307_VFD_SCS_T_i	REAL	%RD723	0	1	0	0	TRANSFER PUMP 307 VFD SPEED CONTROL SIGNAL INTEGRAL TIME
VAR	PF308_VFD_SCS_T_i	REAL	%RD732	0	1	0	0	TRANSFER PUMP 308 VFD SPEED CONTROL SIGNAL INTEGRAL TIME
VAR	PF309_VFD_SCS_T_i	REAL	%RD741	0	1	0	0	TRANSFER PUMP 309 VFD SPEED CONTROL SIGNAL INTEGRAL TIME

VAR	PF310_VFD_SCS_T_i	REAL	%RD750	0	1	0	0	TRANSFER PUMP 310 VFD SPEED CONTROL SIGNAL INTEGRAL TIME
VAR	SPARE25_T_i	REAL	%RD759	0	1	0	0	SPARE
VAR	SPARE26_T_i	REAL	%RD768	0	1	0	0	SPARE
VAR	SPARE27_T_i	REAL	%RD777	0	1	0	0	SPARE
VAR	SPARE28_T_i	REAL	%RD786	0	1	0	0	SPARE

VAR	PF301_VFD_SCS_Db	INT	%RW1574	0	1	0	0	TRANSFER PUMP 301 VFD SPEED CONTROL SIGNAL DEADBAND
VAR	PF302_VFD_SCS_Db	INT	%RW1575	0	1	0	0	TRANSFER PUMP 302 VFD SPEED CONTROL SIGNAL DEADBAND
VAR	PF303_VFD_SCS_Db	INT	%RW1576	0	1	0	0	TRANSFER PUMP 303 VFD SPEED CONTROL SIGNAL DEADBAND
VAR	PF304_VFD_SCS_Db	INT	%RW1577	0	1	0	0	TRANSFER PUMP 304 VFD SPEED CONTROL SIGNAL DEADBAND
VAR	PF305_VFD_SCS_Db	INT	%RW1578	0	1	0	0	TRANSFER PUMP 305 VFD SPEED CONTROL SIGNAL DEADBAND
VAR	PF306_VFD_SCS_Db	INT	%RW1579	0	1	0	0	TRANSFER PUMP 306 VFD SPEED CONTROL SIGNAL DEADBAND
VAR	SPARE23_Db	INT	%RW1580	0	1	0	0	SPARE
VAR	SPARE24_Db	INT	%RW1581	0	1	0	0	SPARE
VAR	PF307_VFD_SCS_Db	INT	%RW1582	0	1	0	0	TRANSFER PUMP 307 VFD SPEED CONTROL SIGNAL DEADBAND
VAR	PF308_VFD_SCS_Db	INT	%RW1583	0	1	0	0	TRANSFER PUMP 308 VFD SPEED CONTROL SIGNAL DEADBAND
VAR	PF309_VFD_SCS_Db	INT	%RW1584	0	1	0	0	TRANSFER PUMP 309 VFD SPEED CONTROL SIGNAL DEADBAND
VAR	PF310_VFD_SCS_Db	INT	%RW1585	0	1	0	0	TRANSFER PUMP 310 VFD SPEED CONTROL SIGNAL DEADBAND
VAR	SPARE25_Db	INT	%RW1586	0	1	0	0	SPARE
VAR	SPARE26_Db	INT	%RW1587	0	1	0	0	SPARE
VAR	SPARE27_Db	INT	%RW1588	0	1	0	0	SPARE
VAR	SPARE28_Db	INT	%RW1589	0	1	0	0	SPARE

VAR	PF301_VFD_SCS_AUTO	BOOL	%MX801	0	1	0	0	TRANSFER PUMP 301 VFD SPEED CONTROL SIGNAL AM SELECTION
VAR	PF302_VFD_SCS_AUTO	BOOL	%MX803	0	1	0	0	TRANSFER PUMP 302 VFD SPEED CONTROL SIGNAL AM SELECTION
VAR	PF303_VFD_SCS_AUTO	BOOL	%MX805	0	1	0	0	TRANSFER PUMP 303 VFD SPEED CONTROL SIGNAL AM SELECTION
VAR	PF304_VFD_SCS_AUTO	BOOL	%MX807	0	1	0	0	TRANSFER PUMP 304 VFD SPEED CONTROL SIGNAL AM SELECTION
VAR	PF305_VFD_SCS_AUTO	BOOL	%MX809	0	1	0	0	TRANSFER PUMP 305 VFD SPEED CONTROL SIGNAL AM SELECTION
VAR	PF306_VFD_SCS_AUTO	BOOL	%MX811	0	1	0	0	TRANSFER PUMP 306 VFD SPEED CONTROL SIGNAL AM SELECTION
VAR	SPARE23_AUTO	BOOL	%MX813	0	1	0	0	SPARE
VAR	SPARE24_AUTO	BOOL	%MX815	0	1	0	0	SPARE
VAR	PF307_VFD_SCS_AUTO	BOOL	%MX817	0	1	0	0	TRANSFER PUMP 307 VFD SPEED CONTROL SIGNAL AM SELECTION
VAR	PF308_VFD_SCS_AUTO	BOOL	%MX819	0	1	0	0	TRANSFER PUMP 308 VFD SPEED CONTROL SIGNAL AM SELECTION
VAR	PF309_VFD_SCS_AUTO	BOOL	%MX821	0	1	0	0	TRANSFER PUMP 309 VFD SPEED CONTROL SIGNAL AM SELECTION
VAR	PF310_VFD_SCS_AUTO	BOOL	%MX823	0	1	0	0	TRANSFER PUMP 310 VFD SPEED CONTROL SIGNAL AM SELECTION
VAR	SPARE25_AUTO	BOOL	%MX825	0	1	0	0	SPARE
VAR	SPARE26_AUTO	BOOL	%MX827	0	1	0	0	SPARE
VAR	SPARE27_AUTO	BOOL	%MX829	0	1	0	0	SPARE
VAR	SPARE28_AUTO	BOOL	%MX831	0	1	0	0	SPARE

VAR	PF301_VFD_SCS_REV	BOOL	%MX802	0	1	0	0	TRANSFER PUMP 301 VFD SPEED CONTROL SIGNAL DIRECT REVERSE ACTION
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VAR	PF302_VFD_SCS_REV	BOOL	%MX804	0	1	0	0	TRANSFER PUMP 302 VFD SPEED CONTROL SIGNAL DIRECT REVERSE ACTION
VAR	PF303_VFD_SCS_REV	BOOL	%MX806	0	1	0	0	TRANSFER PUMP 303 VFD SPEED CONTROL SIGNAL DIRECT REVERSE ACTION
VAR	PF304_VFD_SCS_REV	BOOL	%MX808	0	1	0	0	TRANSFER PUMP 304 VFD SPEED CONTROL SIGNAL DIRECT REVERSE ACTION
VAR	PF305_VFD_SCS_REV	BOOL	%MX810	0	1	0	0	TRANSFER PUMP 305 VFD SPEED CONTROL SIGNAL DIRECT REVERSE ACTION
VAR	PF306_VFD_SCS_REV	BOOL	%MX812	0	1	0	0	TRANSFER PUMP 306 VFD SPEED CONTROL SIGNAL DIRECT REVERSE ACTION
VAR	SPARE23_REV	BOOL	%MX814	0	1	0	0	SPARE
VAR	SPARE24_REV	BOOL	%MX816	0	1	0	0	SPARE
VAR	PF307_VFD_SCS_REV	BOOL	%MX818	0	1	0	0	TRANSFER PUMP 307 VFD SPEED CONTROL SIGNAL DIRECT REVERSE ACTION
VAR	PF308_VFD_SCS_REV	BOOL	%MX820	0	1	0	0	TRANSFER PUMP 308 VFD SPEED CONTROL SIGNAL DIRECT REVERSE ACTION
VAR	PF309_VFD_SCS_REV	BOOL	%MX822	0	1	0	0	TRANSFER PUMP 309 VFD SPEED CONTROL SIGNAL DIRECT REVERSE ACTION
VAR	PF310_VFD_SCS_REV	BOOL	%MX824	0	1	0	0	TRANSFER PUMP 310 VFD SPEED CONTROL SIGNAL DIRECT REVERSE ACTION
VAR	SPARE25_REV	BOOL	%MX826	0	1	0	0	SPARE
VAR	SPARE26_REV	BOOL	%MX828	0	1	0	0	SPARE
VAR	SPARE27_REV	BOOL	%MX830	0	1	0	0	SPARE
VAR	SPARE28_REV	BOOL	%MX832	0	1	0	0	SPARE

Chassis/ RACK	Slot	Channel	SYSTEM TAG	Description	STATE 0	STATE 1	DUP_<PLC TAG>	DUP_<PLC TAG>	ADDRESS	MEMORY ADDRESS
1	0	0	MOV-VF-201A_TRIP_IND	MOV -TRIP F/B	NORMAL	TRIP	MOV_VF_201A_TRIP_IND	DUP_MOV_VF_201A_TRIP_IND	%IX1.0.0	%MX1
1	0	1	MOV-VF-201B_TRIP_IND	MOV -TRIP F/B	NORMAL	TRIP	MOV_VF_201B_TRIP_IND	DUP_MOV_VF_201B_TRIP_IND	%IX1.0.1	%MX2
1	0	2	MOV-VF-202A_TRIP_IND	MOV -TRIP F/B	NORMAL	TRIP	MOV_VF_202A_TRIP_IND	DUP_MOV_VF_202A_TRIP_IND	%IX1.0.2	%MX3
1	0	3	MOV-VF-202B_TRIP_IND	MOV -TRIP F/B	NORMAL	TRIP	MOV_VF_202B_TRIP_IND	DUP_MOV_VF_202B_TRIP_IND	%IX1.0.3	%MX4
1	0	4	MOV-VF-203A_TRIP_IND	MOV -TRIP F/B	NORMAL	TRIP	MOV_VF_203A_TRIP_IND	DUP_MOV_VF_203A_TRIP_IND	%IX1.0.4	%MX5
1	0	5	MOV-VF-203B_TRIP_IND	MOV -TRIP F/B	NORMAL	TRIP	MOV_VF_203B_TRIP_IND	DUP_MOV_VF_203B_TRIP_IND	%IX1.0.5	%MX6
1	0	6	MOV-VF-204A_TRIP_IND	MOV -TRIP F/B	NORMAL	TRIP	MOV_VF_204A_TRIP_IND	DUP_MOV_VF_204A_TRIP_IND	%IX1.0.6	%MX7
1	0	7	MOV-VF-204B_TRIP_IND	MOV -TRIP F/B	NORMAL	TRIP	MOV_VF_204B_TRIP_IND	DUP_MOV_VF_204B_TRIP_IND	%IX1.0.7	%MX8
1	0	8	MOV-VF-205A_TRIP_IND	MOV OUTLET-1-Trip /F/B	NORMAL	TRIP	MOV_VF_205A_TRIP_IND	DUP_MOV_VF_205A_TRIP_IND	%IX1.0.8	%MX9
1	0	9	MOV-VF-205C_TRIP_IND	MOV OUTLET-2-Trip F/B	NORMAL	TRIP	MOV_VF_205C_TRIP_IND	DUP_MOV_VF_205C_TRIP_IND	%IX1.0.9	%MX10
1	0	10	MOV-VF-205B_TRIP_IND	MOV -TRIP F/B	NORMAL	TRIP	MOV_VF_205B_TRIP_IND	DUP_MOV_VF_205B_TRIP_IND	%IX1.0.10	%MX11
1	0	11	MOV-VF-206A_TRIP_IND	MOV -TRIP F/B	NORMAL	TRIP	MOV_VF_206A_TRIP_IND	DUP_MOV_VF_206A_TRIP_IND	%IX1.0.11	%MX12
1	0	12	MOV-VF-206B_TRIP_IND	MOV -TRIP F/B	NORMAL	TRIP	MOV_VF_206B_TRIP_IND	DUP_MOV_VF_206B_TRIP_IND	%IX1.0.12	%MX13
1	0	13	CP-T1	CATHODIC PROTECTION	NORMAL	ALARM	CPT1	DUP_CPT1	%IX1.0.13	%MX14
1	0	14	CP-T2	CATHODIC PROTECTION	NORMAL	ALARM	CPT2	DUP_CPT2	%IX1.0.14	%MX15
1	0	15	SPARE	SPARE	SPARE	SPARE	SPARE29	DUP_SPARE29	%IX1.0.15	%MX16
1	0	16	UPS01_STS	UPS01_STS	SPARE	SPARE	SPARE30	DUP_SPARE30	%IX1.0.16	%MX17
1	0	17	UPS02_STS	UPS02_STS	SPARE	SPARE	SPARE31	DUP_SPARE31	%IX1.0.17	%MX18
1	0	18	UPS_LOAD_ON	UPS_LOAD_ON	SPARE	SPARE	SPARE32	DUP_SPARE32	%IX1.0.18	%MX19
1	0	19	FOAM_PUMP_STS	FOAM_PUMP_STS	SPARE	SPARE	SPARE33	DUP_SPARE33	%IX1.0.19	%MX20
1	0	20	PRCSS001_FAN	CABINET ALARM	NORMAL	ALARM	PRCSS001_FAN	DUP_PRCSS001_FAN	%IX1.0.20	%MX21
1	0	21	FOAM_ENGINE_STS	FOAM_ENGINE_STS	OFF	ON	SPARE34	DUP_SPARE34	%IX1.0.21	%MX22
1	0	22	PRCSS001_TS	CABINET ALARM	NORMAL	ALARM	PRCSS001_TS	DUP_PRCSS001_TS	%IX1.0.22	%MX23
1	0	23	PRCSM001_FAN	CABINET ALARM	NORMAL	ALARM	PRCSM001_FAN	DUP_PRCSM001_FAN	%IX1.0.23	%MX24
1	0	24	PRCSM001_TS	CABINET ALARM	NORMAL	ALARM	PRCSM001_TS	DUP_PRCSM001_TS	%IX1.0.24	%MX25
1	0	25	PRCSM001_BPS01P	CABINET ALARM	NORMAL	ALARM	PRCSM001_BPS01P	DUP_PRCSM001_BPS01P	%IX1.0.25	%MX26
1	0	26	PRCSM001_BPS01S	CABINET ALARM	NORMAL	ALARM	PRCSM001_BPS01S	DUP_PRCSM001_BPS01S	%IX1.0.26	%MX27
1	0	27	PDB001_FAN	CABINET ALARM	NORMAL	ALARM	PDB001_FAN	DUP_PDB001_FAN	%IX1.0.27	%MX28
1	0	28	PDB001_TS	CABINET ALARM	NORMAL	ALARM	PDB001_TS	DUP_PDB001_TS	%IX1.0.28	%MX29
1	0	29	SPARE	SPARE	SPARE	SPARE	SPARE35	DUP_SPARE35	%IX1.0.29	%MX30
1	0	30	SPARE	SPARE	SPARE	SPARE	SPARE36	DUP_SPARE36	%IX1.0.30	%MX31
1	0	31	SPARE	SPARE	SPARE	SPARE	SPARE37	DUP_SPARE37	%IX1.0.31	%MX32
1	1	0	PF-300A-AUT/MAN	PRODUCT JOKEY PUMP AUTO/MANUAL	MANUAL	AUTO	PF300A_AUTMAN	DUP_PF300A_AUTMAN	%IX1.1.0	%MX33
1	1	1	PF-300A-ON/OFF	PRODUCT JOKEY PUMP ON/OFF INDICATOR	OFF	ON	PF300A_ONOFF	DUP_PF300A_ONOFF	%IX1.1.1	%MX34
1	1	2	PF-300A-TRIP	PRODUCT JOKEY PUMP TRIP	NORMAL	TRIP	PF300A_TRIP	DUP_PF300A_TRIP	%IX1.1.2	%MX35
1	1	3	PF-300B-AUT/MAN	PRODUCT JOKEY PUMP AUTO/MANUAL	MANUAL	AUTO	PF300B_AUTMAN	DUP_PF300B_AUTMAN	%IX1.1.3	%MX36
1	1	4	PF-300B-ON/OFF	PRODUCT JOKEY PUMP ON/OFF INDICATOR	OFF	ON	PF300B_ONOFF	DUP_PF300B_ONOFF	%IX1.1.4	%MX37
1	1	5	PF-300B-TRIP	PRODUCT JOKEY PUMP TRIP	NORMAL	TRIP	PF300B_TRIP	DUP_PF300B_TRIP	%IX1.1.5	%MX38
1	1	6	TT-P-1-AUT/MAN	TT DECANTING AUTO/MANUAL	MANUAL	AUTO	TTP1_AUTMAN	DUP_TTP1_AUTMAN	%IX1.1.6	%MX39
1	1	7	TT-P-1-ON/OFF	TT DECANTING ON/OFF INDICATOR	OFF	ON	TTP1_ONOFF	DUP_TTP1_ONOFF	%IX1.1.7	%MX40
1	1	8	TT-P-1-TRIP	TT DECANTING TRIP	NORMAL	TRIP	TTP1_TRIP	DUP_TTP1_TRIP	%IX1.1.8	%MX41
1	1	9	TT-P-2-AUT/MAN	TT DECANTING AUTO/MANUAL	MANUAL	AUTO	TTP2_AUTMAN	DUP_TTP2_AUTMAN	%IX1.1.9	%MX42
1	1	10	TT-P-2-ON/OFF	TT DECANTING ON/OFF INDICATOR	OFF	ON	TTP2_ONOFF	DUP_TTP2_ONOFF	%IX1.1.10	%MX43
1	1	11	TT-P-2-TRIP	TT DECANTING TRIP	NORMAL	TRIP	TTP2_TRIP	DUP_TTP2_TRIP	%IX1.1.11	%MX44
1	1	12	TT-P-3-AUT/MAN	TT DECANTING AUTO/MANUAL	MANUAL	AUTO	TTP3_AUTMAN	DUP_TTP3_AUTMAN	%IX1.1.12	%MX45
1	1	13	TT-P-3-ON/OFF	TT DECANTING ON/OFF INDICATOR	OFF	ON	TTP3_ONOFF	DUP_TTP3_ONOFF	%IX1.1.13	%MX46
1	1	14	TT-P-3-TRIP	TT DECANTING TRIP	NORMAL	TRIP	TTP3_TRIP	DUP_TTP3_TRIP	%IX1.1.14	%MX47
1	1	24	HSD-P-1-AUT/MAN	DIESEL TANK AUTO/MANUAL	MANUAL	AUTO	HSDP1_AUTMAN	DUP_HSDP1_AUTMAN	%IX1.1.24	%MX57
1	1	25	HSD-P-1-ON/OFF	DIESEL TANK ON/OFF INDICATOR	OFF	ON	HSDP1_ONOFF	DUP_HSDP1_ONOFF	%IX1.1.25	%MX58
1	1	26	HSD-P-1-TRIP	DIESEL TANK TRIP	NORMAL	TRIP	HSDP1_TRIP	DUP_HSDP1_TRIP	%IX1.1.26	%MX59
1	1	28	SPARE	SPARE	SPARE	SPARE	SPARE38	DUP_SPARE38	%IX1.1.28	%MX61
1	1	29	SPARE	SPARE	SPARE	SPARE	SPARE39	DUP_SPARE39	%IX1.1.29	%MX62

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1	1	30	SPARE	SPARE	SPARE	SPARE	SPARE40	DUP_SPARE40	%IX1.1.30	%MX63
1	1	31	SPARE	SPARE	SPARE	SPARE	SPARE41	DUP_SPARE41	%IX1.1.31	%MX64
1	2	8	SPARE	SPARE	MANUAL	AUTO	SPARE97	DUP_SPARE97	%IX1.2.8	%MX73
1	2	9	SPARE	SPARE	OFF	ON	SPARE98	DUP_SPARE98	%IX1.2.9	%MX74
1	2	10	SPARE	SPARE	NORMAL	TRIP	SPARE99	DUP_SPARE99	%IX1.2.10	%MX75
1	2	17	SPARE	FIRE WATER JOKEY PUMP AUTO/MANUAL	MANUAL	AUTO	SPARE100	DUP_SPARE100	%IX1.2.17	%MX82
1	2	18	JK-P-1-ON/OFF	FIRE WATER JOKEY PUMP ON/OFF INDICATOR	OFF	ON	JKP1_ONOFF	DUP_JKP1_ONOFF	%IX1.2.18	%MX83
1	2	19	JK-P-1-TRIP	FIRE WATER JOKEY PUMP TRIP	NORMAL	TRIP	JKP1_TRIP	DUP_JKP1_TRIP	%IX1.2.19	%MX84
1	2	20	SPARE	FIRE WATER JOKEY PUMP AUTO/MANUAL	MANUAL	AUTO	SPARE101	DUP_SPARE101	%IX1.2.20	%MX85
1	2	21	JK-P-2-ON/OFF	FIRE WATER JOKEY PUMP ON/OFF INDICATOR	OFF	ON	JKP2_ONOFF	DUP_JKP2_ONOFF	%IX1.2.21	%MX86
1	2	22	JK-P-2-TRIP	FIRE WATER JOKEY PUMP TRIP	NORMAL	TRIP	JKP2_TRIP	DUP_JKP2_TRIP	%IX1.2.22	%MX87
1	2	23	SPARE	FIRE HYDRANT AUTO/MANUAL	MANUAL	AUTO	SPARE102	DUP_SPARE102	%IX1.2.23	%MX88
1	2	24	FE-1-ON/OFF	FIRE HYDRANT ON/OFF INDICATION	OFF	ON	FE1_ONOFF	DUP_FE1_ONOFF	%IX1.2.24	%MX89
1	2	25	FE-1-TRIP	FIRE HYDRANT TRIP	NORMAL	TRIP	FE1_TRIP	DUP_FE1_TRIP	%IX1.2.25	%MX90
1	2	26	SPARE	FIRE HYDRANT AUTO/MANUAL	MANUAL	AUTO	SPARE103	DUP_SPARE103	%IX1.2.26	%MX91
1	2	27	FE-2-ON/OFF	FIRE HYDRANT ON/OFF INDICATION	OFF	ON	FE2_ONOFF	DUP_FE2_ONOFF	%IX1.2.27	%MX92
1	2	28	SPARE	SPARE	SPARE	SPARE	SPARE42	DUP_SPARE42	%IX1.2.28	%MX93
1	2	29	SPARE	SPARE	SPARE	SPARE	SPARE43	DUP_SPARE43	%IX1.2.29	%MX94
1	2	30	SPARE	SPARE	SPARE	SPARE	SPARE44	DUP_SPARE44	%IX1.2.30	%MX95
1	2	31	SPARE	SPARE	SPARE	SPARE	SPARE45	DUP_SPARE45	%IX1.2.31	%MX96
2	0	0	FE-2-TRIP	FIRE HYDRANT TRIP	NORMAL	TRIP	FE2_TRIP	DUP_FE2_TRIP	%IX2.0.0	%MX97
2	0	1	SPARE	FIRE HYDRANT AUTO/MANUAL	MANUAL	AUTO	SPARE104	DUP_SPARE104	%IX2.0.1	%MX98
2	0	2	FE-3-ON/OFF	FIRE HYDRANT ON/OFF INDICATION	OFF	ON	FE3_ONOFF	DUP_FE3_ONOFF	%IX2.0.2	%MX99
2	0	3	FE-3-TRIP	FIRE HYDRANT TRIP	NORMAL	TRIP	FE3_TRIP	DUP_FE3_TRIP	%IX2.0.3	%MX100
2	0	4	SPARE	FIRE HYDRANT AUTO/MANUAL	MANUAL	AUTO	SPARE105	DUP_SPARE105	%IX2.0.4	%MX101
2	0	5	FE-4-ON/OFF	FIRE HYDRANT ON/OFF INDICATION	OFF	ON	FE4_ONOFF	DUP_FE4_ONOFF	%IX2.0.5	%MX102
2	0	6	FE-4-TRIP	FIRE HYDRANT TRIP	NORMAL	TRIP	FE4_TRIP	DUP_FE4_TRIP	%IX2.0.6	%MX103
2	0	7	SPARE	FIRE HYDRANT AUTO/MANUAL	MANUAL	AUTO	SPARE106	DUP_SPARE106	%IX2.0.7	%MX104
2	0	8	FE-5-ON/OFF	FIRE HYDRANT ON/OFF INDICATION	OFF	ON	FE5_ONOFF	DUP_FE5_ONOFF	%IX2.0.8	%MX105
2	0	9	FE-5-TRIP	FIRE HYDRANT TRIP	NORMAL	TRIP	FE5_TRIP	DUP_FE5_TRIP	%IX2.0.9	%MX106
2	0	10	PF-301-AUT/MAN	TRANSFER PUMP AUTO/MANUAL	MANUAL	AUTO	PF301_AUTMAN	DUP_PF301_AUTMAN	%IX2.0.10	%MX107
2	0	11	PF-301-ON/OFF	TRANSFER PUMP ON/OFF INDICATION	OFF	ON	PF301_ONOFF	DUP_PF301_ONOFF	%IX2.0.11	%MX108
2	0	12	PF-301-TRIP	TRANSFER PUMP TRIP	NORMAL	TRIP	PF301_TRIP	DUP_PF301_TRIP	%IX2.0.12	%MX109
2	0	13	PF-302-AUT/MAN	TRANSFER PUMP AUTO/MANUAL	MANUAL	AUTO	PF302_AUTMAN	DUP_PF302_AUTMAN	%IX2.0.13	%MX110
2	0	14	PF-302-ON/OFF	TRANSFER PUMP ON/OFF INDICATION	OFF	ON	PF302_ONOFF	DUP_PF302_ONOFF	%IX2.0.14	%MX111
2	0	15	PF-302-TRIP	TRANSFER PUMP TRIP	NORMAL	TRIP	PF302_TRIP	DUP_PF302_TRIP	%IX2.0.15	%MX112
2	0	16	PF-303-AUT/MAN	TRANSFER PUMP AUTO/MANUAL	MANUAL	AUTO	PF303_AUTMAN	DUP_PF303_AUTMAN	%IX2.0.16	%MX113
2	0	17	PF-303-ON/OFF	TRANSFER PUMP ON/OFF INDICATION	OFF	ON	PF303_ONOFF	DUP_PF303_ONOFF	%IX2.0.17	%MX114
2	0	18	PF-303-TRIP	TRANSFER PUMP TRIP	NORMAL	TRIP	PF303_TRIP	DUP_PF303_TRIP	%IX2.0.18	%MX115
2	0	19	PF-304-AUT/MAN	TRANSFER PUMP AUTO/MANUAL	MANUAL	AUTO	PF304_AUTMAN	DUP_PF304_AUTMAN	%IX2.0.19	%MX116
2	0	20	PF-304-ON/OFF	TRANSFER PUMP ON/OFF INDICATION	OFF	ON	PF304_ONOFF	DUP_PF304_ONOFF	%IX2.0.20	%MX117
2	0	21	PF-304-TRIP	TRANSFER PUMP TRIP	NORMAL	TRIP	PF304_TRIP	DUP_PF304_TRIP	%IX2.0.21	%MX118
2	0	22	PF-305-AUT/MAN	TRANSFER PUMP AUTO/MANUAL	MANUAL	AUTO	PF305_AUTMAN	DUP_PF305_AUTMAN	%IX2.0.22	%MX119
2	0	23	PF-305-ON/OFF	TRANSFER PUMP ON/OFF INDICATION	OFF	ON	PF305_ONOFF	DUP_PF305_ONOFF	%IX2.0.23	%MX120
2	0	24	PF-305-TRIP	TRANSFER PUMP TRIP	NORMAL	TRIP	PF305_TRIP	DUP_PF305_TRIP	%IX2.0.24	%MX121
2	0	25	PF-306-AUT/MAN	TRANSFER PUMP AUTO/MANUAL	MANUAL	AUTO	PF306_AUTMAN	DUP_PF306_AUTMAN	%IX2.0.25	%MX122
2	0	26	PF-306-ON/OFF	TRANSFER PUMP ON/OFF INDICATION	OFF	ON	PF306_ONOFF	DUP_PF306_ONOFF	%IX2.0.26	%MX123
2	0	27	PF-306-TRIP	TRANSFER PUMP TRIP	NORMAL	TRIP	PF306_TRIP	DUP_PF306_TRIP	%IX2.0.27	%MX124
2	0	28	SPARE	SPARE	SPARE	SPARE	SPARE46	DUP_SPARE46	%IX2.0.28	%MX125
2	0	29	SPARE	SPARE	SPARE	SPARE	SPARE47	DUP_SPARE47	%IX2.0.29	%MX126
2	0	30	SPARE	SPARE	SPARE	SPARE	SPARE48	DUP_SPARE48	%IX2.0.30	%MX127
2	0	31	SPARE	SPARE	SPARE	SPARE	SPARE49	DUP_SPARE49	%IX2.0.31	%MX128
2	1	0	PF-307-AUT/MAN	TRANSFER PUMP AUTO/MANUAL	MANUAL	AUTO	PF307_AUTMAN	DUP_PF307_AUTMAN	%IX2.1.0	%MX129
2	1	1	PF-307-ON/OFF	TRANSFER PUMP ON/OFF INDICATION	OFF	ON	PF307_ONOFF	DUP_PF307_ONOFF	%IX2.1.1	%MX130
2	1	2	PF-307-TRIP	TRANSFER PUMP TRIP	NORMAL	TRIP	PF307_TRIP	DUP_PF307_TRIP	%IX2.1.2	%MX131



2	1	3	PF-308-AUT/MAN	TRANSFER PUMP AUTO/MANUAL	MANUAL	AUTO	PF308_AUTMAN	DUP_PF308_AUTMAN	%IX2.1.3	%MX132
2	1	4	PF-308-ON/OFF	TRANSFER PUMP ON/OFF INDICATION	OFF	ON	PF308_ONOFF	DUP_PF308_ONOFF	%IX2.1.4	%MX133
2	1	5	PF-308-TRIP	TRANSFER PUMP TRIP	NORMAL	TRIP	PF308_TRIP	DUP_PF308_TRIP	%IX2.1.5	%MX134
2	1	6	PF-309-AUT/MAN	TRANSFER PUMP AUTO/MANUAL	MANUAL	AUTO	PF309_AUTMAN	DUP_PF309_AUTMAN	%IX2.1.6	%MX135
2	1	7	PF-309-ON/OFF	TRANSFER PUMP ON/OFF INDICATION	OFF	ON	PF309_ONOFF	DUP_PF309_ONOFF	%IX2.1.7	%MX136
2	1	8	PF-309-TRIP	TRANSFER PUMP TRIP	NORMAL	TRIP	PF309_TRIP	DUP_PF309_TRIP	%IX2.1.8	%MX137
2	1	9	PF-310-AUT/MAN	TRANSFER PUMP AUTO/MANUAL	MANUAL	AUTO	PF310_AUTMAN	DUP_PF310_AUTMAN	%IX2.1.9	%MX138
2	1	10	PF-310-ON/OFF	TRANSFER PUMP ON/OFF INDICATION	OFF	ON	PF310_ONOFF	DUP_PF310_ONOFF	%IX2.1.10	%MX139
2	1	11	PF-310-TRIP	TRANSFER PUMP TRIP	NORMAL	TRIP	PF310_TRIP	DUP_PF310_TRIP	%IX2.1.11	%MX140
2	1	12	LT FEEDER-1	LT-1	-	-	LTFEEDER_1	DUP_LTFEEDER_1	%IX2.1.12	%MX141
2	1	13	LT FEEDER-2	LT-2	-	-	LTFEEDER_2	DUP_LTFEEDER_2	%IX2.1.13	%MX142
2	1	14	LT FEEDER-3	LT-3	-	-	LTFEEDER_3	DUP_LTFEEDER_3	%IX2.1.14	%MX143
2	1	15	LT FEEDER-4	LT-4	-	-	LTFEEDER_4	DUP_LTFEEDER_4	%IX2.1.15	%MX144
2	1	16	LT FEEDER-5	LT-5	-	-	LTFEEDER_5	DUP_LTFEEDER_5	%IX2.1.16	%MX145
2	1	17	SPARE	SPARE	SPARE	SPARE	SPARE50	DUP_SPARE50	%IX2.1.17	%MX146
2	1	18	SPARE	SPARE	SPARE	SPARE	SPARE51	DUP_SPARE51	%IX2.1.18	%MX147
2	1	19	SPARE	SPARE	SPARE	SPARE	SPARE52	DUP_SPARE52	%IX2.1.19	%MX148
2	1	20	SPARE	SPARE	SPARE	SPARE	SPARE53	DUP_SPARE53	%IX2.1.20	%MX149
2	1	21	SPARE	SPARE	SPARE	SPARE	SPARE54	DUP_SPARE54	%IX2.1.21	%MX150
2	1	22	SPARE	SPARE	SPARE	SPARE	SPARE55	DUP_SPARE55	%IX2.1.22	%MX151
2	1	23	SPARE	SPARE	SPARE	SPARE	SPARE56	DUP_SPARE56	%IX2.1.23	%MX152
2	1	24	SPARE	SPARE	SPARE	SPARE	SPARE57	DUP_SPARE57	%IX2.1.24	%MX153
2	1	25	SPARE	SPARE	SPARE	SPARE	SPARE58	DUP_SPARE58	%IX2.1.25	%MX154
2	1	26	SPARE	SPARE	SPARE	SPARE	SPARE59	DUP_SPARE59	%IX2.1.26	%MX155
2	1	27	SPARE	SPARE	SPARE	SPARE	SPARE60	DUP_SPARE60	%IX2.1.27	%MX156
2	1	28	SPARE	SPARE	SPARE	SPARE	SPARE61	DUP_SPARE61	%IX2.1.28	%MX157
2	1	29	SPARE	SPARE	SPARE	SPARE	SPARE62	DUP_SPARE62	%IX2.1.29	%MX158
2	1	30	SPARE	SPARE	SPARE	SPARE	SPARE63	DUP_SPARE63	%IX2.1.30	%MX159
2	1	31	SPARE	SPARE	SPARE	SPARE	SPARE64	DUP_SPARE64	%IX2.1.31	%MX160



VAR_EXTERNAL	DUP_MOV_VF_201A_TRIP_IND	BOOL	%MX1	0	1	0	0	MOV VF-201A-TRIP F/B
VAR_EXTERNAL	DUP_MOV_VF_201B_TRIP_IND	BOOL	%MX2	0	1	0	0	MOV VF-201B -TRIP F/B
VAR_EXTERNAL	DUP_MOV_VF_202A_TRIP_IND	BOOL	%MX3	0	1	0	0	MOV VF-202A -TRIP F/B
VAR_EXTERNAL	DUP_MOV_VF_202B_TRIP_IND	BOOL	%MX4	0	1	0	0	MOV VF-202B -TRIP F/B
VAR_EXTERNAL	DUP_MOV_VF_203A_TRIP_IND	BOOL	%MX5	0	1	0	0	MOV VF-203A -TRIP F/B
VAR_EXTERNAL	DUP_MOV_VF_203B_TRIP_IND	BOOL	%MX6	0	1	0	0	MOV VF-203B -TRIP F/B
VAR_EXTERNAL	DUP_MOV_VF_204A_TRIP_IND	BOOL	%MX7	0	1	0	0	MOV VF-204A -TRIP F/B
VAR_EXTERNAL	DUP_MOV_VF_204B_TRIP_IND	BOOL	%MX8	0	1	0	0	MOV VF-204B -TRIP F/B
VAR_EXTERNAL	DUP_MOV_VF_205A_TRIP_IND	BOOL	%MX9	0	1	0	0	MOV VF-205A OUTLET-1-Trip /FB
VAR_EXTERNAL	DUP_MOV_VF_205C_TRIP_IND	BOOL	%MX10	0	1	0	0	MOV VF-205C OUTLET-2-Trip F/B
VAR_EXTERNAL	DUP_MOV_VF_205B_TRIP_IND	BOOL	%MX11	0	1	0	0	MOV VF-205B -TRIP F/B
VAR_EXTERNAL	DUP_MOV_VF_206A_TRIP_IND	BOOL	%MX12	0	1	0	0	MOV VF-206A -TRIP F/B
VAR_EXTERNAL	DUP_MOV_VF_206B_TRIP_IND	BOOL	%MX13	0	1	0	0	MOV VF-206B -TRIP F/B
VAR_EXTERNAL	DUP_CPT1	BOOL	%MX14	0	1	0	0	CATHODIC PROTECTION
VAR_EXTERNAL	DUP_CPT2	BOOL	%MX15	0	1	0	0	CATHODIC PROTECTION
VAR_EXTERNAL	DUP_SPARE29	BOOL	%MX16	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE30	BOOL	%MX17	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE31	BOOL	%MX18	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE32	BOOL	%MX19	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE33	BOOL	%MX20	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_PRCSS001_FAN	BOOL	%MX21	0	1	0	0	CABINET ALARM
VAR_EXTERNAL	DUP_SPARE34	BOOL	%MX22	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_PRCSS001_TS	BOOL	%MX23	0	1	0	0	CABINET ALARM
VAR_EXTERNAL	DUP_PRCM001_FAN	BOOL	%MX24	0	1	0	0	CABINET ALARM
VAR_EXTERNAL	DUP_PRCM001_TS	BOOL	%MX25	0	1	0	0	CABINET ALARM
VAR_EXTERNAL	DUP_PRCM001_BPS01P	BOOL	%MX26	0	1	0	0	CABINET ALARM
VAR_EXTERNAL	DUP_PRCM001_BPS01S	BOOL	%MX27	0	1	0	0	CABINET ALARM
VAR_EXTERNAL	DUP_PDB001_FAN	BOOL	%MX28	0	1	0	0	CABINET ALARM
VAR_EXTERNAL	DUP_PDB001_TS	BOOL	%MX29	0	1	0	0	CABINET ALARM
VAR_EXTERNAL	DUP_SPARE35	BOOL	%MX30	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE36	BOOL	%MX31	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE37	BOOL	%MX32	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_PF300A_AUTMAN	BOOL	%MX33	0	1	0	0	PRODUCT JOKEY PUMP AUTO/MANUAL
VAR_EXTERNAL	DUP_PF300A_ONOFF	BOOL	%MX34	0	1	0	0	PRODUCT JOKEY PUMP ON/OFF INDICATOR
VAR_EXTERNAL	DUP_PF300A_TRIP	BOOL	%MX35	0	1	0	0	PRODUCT JOKEY PUMP TRIP
VAR_EXTERNAL	DUP_PF300B_AUTMAN	BOOL	%MX36	0	1	0	0	PRODUCT JOKEY PUMP AUTO/MANUAL
VAR_EXTERNAL	DUP_PF300B_ONOFF	BOOL	%MX37	0	1	0	0	PRODUCT JOKEY PUMP ON/OFF INDICATOR
VAR_EXTERNAL	DUP_PF300B_TRIP	BOOL	%MX38	0	1	0	0	PRODUCT JOKEY PUMP TRIP
VAR_EXTERNAL	DUP_TTP1_AUTMAN	BOOL	%MX39	0	1	0	0	TT DECANTING AUTO/MANUAL
VAR_EXTERNAL	DUP_TTP1_ONOFF	BOOL	%MX40	0	1	0	0	TT DECANTING ON/OFF INDICATOR
VAR_EXTERNAL	DUP_TTP1_TRIP	BOOL	%MX41	0	1	0	0	TT DECANTING TRIP
VAR_EXTERNAL	DUP_TTP2_AUTMAN	BOOL	%MX42	0	1	0	0	TT DECANTING AUTO/MANUAL
VAR_EXTERNAL	DUP_TTP2_ONOFF	BOOL	%MX43	0	1	0	0	TT DECANTING ON/OFF INDICATOR
VAR_EXTERNAL	DUP_TTP2_TRIP	BOOL	%MX44	0	1	0	0	TT DECANTING TRIP
VAR_EXTERNAL	DUP_TTP3_AUTMAN	BOOL	%MX45	0	1	0	0	TT DECANTING AUTO/MANUAL
VAR_EXTERNAL	DUP_TTP3_ONOFF	BOOL	%MX46	0	1	0	0	TT DECANTING ON/OFF INDICATOR
VAR_EXTERNAL	DUP_TTP3_TRIP	BOOL	%MX47	0	1	0	0	TT DECANTING TRIP

VAR_EXTERNAL	DUP_HSDP1_AUTMAN	BOOL	%MX57	0	1	0	0	DIESEL TANK AUTO/MANUAL
VAR_EXTERNAL	DUP_HSDP1_ONOFF	BOOL	%MX58	0	1	0	0	DIESEL TANK ON/OFF INDICATOR
VAR_EXTERNAL	DUP_HSDP1_TRIP	BOOL	%MX59	0	1	0	0	DIESEL TANK TRIP
VAR_EXTERNAL	DUP_SPARE38	BOOL	%MX61	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE39	BOOL	%MX62	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE40	BOOL	%MX63	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE41	BOOL	%MX64	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE97	BOOL	%MX73	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE98	BOOL	%MX74	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE99	BOOL	%MX75	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE100	BOOL	%MX82	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_JKP1_ONOFF	BOOL	%MX83	0	1	0	0	FIRE WATER JOKEY PUMP ON/OFF INDICATOR
VAR_EXTERNAL	DUP_JKP1_TRIP	BOOL	%MX84	0	1	0	0	FIRE WATER JOKEY PUMP TRIP
VAR_EXTERNAL	DUP_SPARE101	BOOL	%MX85	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_JKP2_ONOFF	BOOL	%MX86	0	1	0	0	FIRE WATER JOKEY PUMP ON/OFF INDICATOR
VAR_EXTERNAL	DUP_JKP2_TRIP	BOOL	%MX87	0	1	0	0	FIRE WATER JOKEY PUMP TRIP
VAR_EXTERNAL	DUP_SPARE102	BOOL	%MX88	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_FE1_ONOFF	BOOL	%MX89	0	1	0	0	FIRE HYDRANT ON/OFF INDICATION
VAR_EXTERNAL	DUP_FE1_TRIP	BOOL	%MX90	0	1	0	0	FIRE HYDRANT TRIP
VAR_EXTERNAL	DUP_SPARE103	BOOL	%MX91	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE42	BOOL	%MX92	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_FE2_ONOFF	BOOL	%MX93	0	1	0	0	FIRE HYDRANT ON/OFF INDICATION
VAR_EXTERNAL	DUP_SPARE43	BOOL	%MX94	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE44	BOOL	%MX95	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE45	BOOL	%MX96	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_FE2_TRIP	BOOL	%MX97	0	1	0	0	FIRE HYDRANT TRIP
VAR_EXTERNAL	DUP_SPARE104	BOOL	%MX98	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_FE3_ONOFF	BOOL	%MX99	0	1	0	0	FIRE HYDRANT ON/OFF INDICATION
VAR_EXTERNAL	DUP_FE3_TRIP	BOOL	%MX100	0	1	0	0	FIRE HYDRANT TRIP
VAR_EXTERNAL	DUP_SPARE105	BOOL	%MX101	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_FE4_ONOFF	BOOL	%MX102	0	1	0	0	FIRE HYDRANT ON/OFF INDICATION
VAR_EXTERNAL	DUP_FE4_TRIP	BOOL	%MX103	0	1	0	0	FIRE HYDRANT TRIP
VAR_EXTERNAL	DUP_SPARE106	BOOL	%MX104	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_FE5_ONOFF	BOOL	%MX105	0	1	0	0	FIRE HYDRANT ON/OFF INDICATION
VAR_EXTERNAL	DUP_FE5_TRIP	BOOL	%MX106	0	1	0	0	FIRE HYDRANT TRIP
VAR_EXTERNAL	DUP_PF301_AUTMAN	BOOL	%MX107	0	1	0	0	TRANSFER PUMP AUTO/MANUAL
VAR_EXTERNAL	DUP_PF301_ONOFF	BOOL	%MX108	0	1	0	0	TRANSFER PUMP ON/OFF INDICATION
VAR_EXTERNAL	DUP_PF301_TRIP	BOOL	%MX109	0	1	0	0	TRANSFER PUMP TRIP
VAR_EXTERNAL	DUP_PF302_AUTMAN	BOOL	%MX110	0	1	0	0	TRANSFER PUMP AUTO/MANUAL
VAR_EXTERNAL	DUP_PF302_ONOFF	BOOL	%MX111	0	1	0	0	TRANSFER PUMP ON/OFF INDICATION
VAR_EXTERNAL	DUP_PF302_TRIP	BOOL	%MX112	0	1	0	0	TRANSFER PUMP TRIP
VAR_EXTERNAL	DUP_PF303_AUTMAN	BOOL	%MX113	0	1	0	0	TRANSFER PUMP AUTO/MANUAL
VAR_EXTERNAL	DUP_PF303_ONOFF	BOOL	%MX114	0	1	0	0	TRANSFER PUMP ON/OFF INDICATION
VAR_EXTERNAL	DUP_PF303_TRIP	BOOL	%MX115	0	1	0	0	TRANSFER PUMP TRIP
VAR_EXTERNAL	DUP_PF304_AUTMAN	BOOL	%MX116	0	1	0	0	TRANSFER PUMP AUTO/MANUAL
VAR_EXTERNAL	DUP_PF304_ONOFF	BOOL	%MX117	0	1	0	0	TRANSFER PUMP ON/OFF INDICATION
VAR_EXTERNAL	DUP_PF304_TRIP	BOOL	%MX118	0	1	0	0	TRANSFER PUMP TRIP

VAR_EXTERNAL	DUP_PF305_AUTMAN	BOOL	%MX119	0	1	0	0	TRANSFER PUMP AUTO/MANUAL
VAR_EXTERNAL	DUP_PF305_ONOFF	BOOL	%MX120	0	1	0	0	TRANSFER PUMP ON/OFF INDICATION
VAR_EXTERNAL	DUP_PF305_TRIP	BOOL	%MX121	0	1	0	0	TRANSFER PUMP TRIP
VAR_EXTERNAL	DUP_PF306_AUTMAN	BOOL	%MX122	0	1	0	0	TRANSFER PUMP AUTO/MANUAL
VAR_EXTERNAL	DUP_PF306_ONOFF	BOOL	%MX123	0	1	0	0	TRANSFER PUMP ON/OFF INDICATION
VAR_EXTERNAL	DUP_PF306_TRIP	BOOL	%MX124	0	1	0	0	TRANSFER PUMP TRIP
VAR_EXTERNAL	DUP_SPARE46	BOOL	%MX125	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE47	BOOL	%MX126	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE48	BOOL	%MX127	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE49	BOOL	%MX128	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_PF307_AUTMAN	BOOL	%MX129	0	1	0	0	TRANSFER PUMP AUTO/MANUAL
VAR_EXTERNAL	DUP_PF307_ONOFF	BOOL	%MX130	0	1	0	0	TRANSFER PUMP ON/OFF INDICATION
VAR_EXTERNAL	DUP_PF307_TRIP	BOOL	%MX131	0	1	0	0	TRANSFER PUMP TRIP
VAR_EXTERNAL	DUP_PF308_AUTMAN	BOOL	%MX132	0	1	0	0	TRANSFER PUMP AUTO/MANUAL
VAR_EXTERNAL	DUP_PF308_ONOFF	BOOL	%MX133	0	1	0	0	TRANSFER PUMP ON/OFF INDICATION
VAR_EXTERNAL	DUP_PF308_TRIP	BOOL	%MX134	0	1	0	0	TRANSFER PUMP TRIP
VAR_EXTERNAL	DUP_PF309_AUTMAN	BOOL	%MX135	0	1	0	0	TRANSFER PUMP AUTO/MANUAL
VAR_EXTERNAL	DUP_PF309_ONOFF	BOOL	%MX136	0	1	0	0	TRANSFER PUMP ON/OFF INDICATION
VAR_EXTERNAL	DUP_PF309_TRIP	BOOL	%MX137	0	1	0	0	TRANSFER PUMP TRIP
VAR_EXTERNAL	DUP_PF310_AUTMAN	BOOL	%MX138	0	1	0	0	TRANSFER PUMP AUTO/MANUAL
VAR_EXTERNAL	DUP_PF310_ONOFF	BOOL	%MX139	0	1	0	0	TRANSFER PUMP ON/OFF INDICATION
VAR_EXTERNAL	DUP_PF310_TRIP	BOOL	%MX140	0	1	0	0	TRANSFER PUMP TRIP
VAR_EXTERNAL	DUP_LTFEEDER_1	BOOL	%MX141	0	1	0	0	LT-1
VAR_EXTERNAL	DUP_LTFEEDER_2	BOOL	%MX142	0	1	0	0	LT-2
VAR_EXTERNAL	DUP_LTFEEDER_3	BOOL	%MX143	0	1	0	0	LT-3
VAR_EXTERNAL	DUP_LTFEEDER_4	BOOL	%MX144	0	1	0	0	LT-4
VAR_EXTERNAL	DUP_LTFEEDER_5	BOOL	%MX145	0	1	0	0	LT-5
VAR_EXTERNAL	DUP_SPARE50	BOOL	%MX146	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE51	BOOL	%MX147	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE52	BOOL	%MX148	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE53	BOOL	%MX149	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE54	BOOL	%MX150	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE55	BOOL	%MX151	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE56	BOOL	%MX152	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE57	BOOL	%MX153	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE58	BOOL	%MX154	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE59	BOOL	%MX155	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE60	BOOL	%MX156	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE61	BOOL	%MX157	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE62	BOOL	%MX158	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE63	BOOL	%MX159	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE64	BOOL	%MX160	0	1	0	0	SPARE

DUP\_MOV\_VF\_201A\_TRIP\_IND := %IX1.0.0 ;  
DUP\_MOV\_VF\_201B\_TRIP\_IND := %IX1.0.1 ;  
DUP\_MOV\_VF\_202A\_TRIP\_IND := %IX1.0.2 ;  
DUP\_MOV\_VF\_202B\_TRIP\_IND := %IX1.0.3 ;

DUP_MOV_VF_203A_TRIP_IND	:=	%IX1.0.4	;
DUP_MOV_VF_203B_TRIP_IND	:=	%IX1.0.5	;
DUP_MOV_VF_204A_TRIP_IND	:=	%IX1.0.6	;
DUP_MOV_VF_204B_TRIP_IND	:=	%IX1.0.7	;
DUP_MOV_VF_205A_TRIP_IND	:=	%IX1.0.8	;
DUP_MOV_VF_205C_TRIP_IND	:=	%IX1.0.9	;
DUP_MOV_VF_205B_TRIP_IND	:=	%IX1.0.10	;
DUP_MOV_VF_206A_TRIP_IND	:=	%IX1.0.11	;
DUP_MOV_VF_206B_TRIP_IND	:=	%IX1.0.12	;
DUP_CPT1	:=	%IX1.0.13	;
DUP_CPT2	:=	%IX1.0.14	;
DUP_SPARE29	:=	%IX1.0.15	;
DUP_SPARE30	:=	%IX1.0.16	;
DUP_SPARE31	:=	%IX1.0.17	;
DUP_SPARE32	:=	%IX1.0.18	;
DUP_SPARE33	:=	%IX1.0.19	;
DUP_PRCSS001_FAN	:=	%IX1.0.20	;
DUP_SPARE34	:=	%IX1.0.21	;
DUP_PRCSS001_TS	:=	%IX1.0.22	;
DUP_PRCSM001_FAN	:=	%IX1.0.23	;
DUP_PRCSM001_TS	:=	%IX1.0.24	;
DUP_PRCSM001_BPS01P	:=	%IX1.0.25	;
DUP_PRCSM001_BPS01S	:=	%IX1.0.26	;
DUP_PDB001_FAN	:=	%IX1.0.27	;
DUP_PDB001_TS	:=	%IX1.0.28	;
DUP_SPARE35	:=	%IX1.0.29	;
DUP_SPARE36	:=	%IX1.0.30	;
DUP_SPARE37	:=	%IX1.0.31	;
DUP_PF300A_AUTMAN	:=	%IX1.1.0	;
DUP_PF300A_ONOFF	:=	%IX1.1.1	;
DUP_PF300A_TRIP	:=	%IX1.1.2	;
DUP_PF300B_AUTMAN	:=	%IX1.1.3	;
DUP_PF300B_ONOFF	:=	%IX1.1.4	;
DUP_PF300B_TRIP	:=	%IX1.1.5	;
DUP_TTP1_AUTMAN	:=	%IX1.1.6	;
DUP_TTP1_ONOFF	:=	%IX1.1.7	;
DUP_TTP1_TRIP	:=	%IX1.1.8	;
DUP_TTP2_AUTMAN	:=	%IX1.1.9	;
DUP_TTP2_ONOFF	:=	%IX1.1.10	;
DUP_TTP2_TRIP	:=	%IX1.1.11	;
DUP_TTP3_AUTMAN	:=	%IX1.1.12	;
DUP_TTP3_ONOFF	:=	%IX1.1.13	;
DUP_TTP3_TRIP	:=	%IX1.1.14	;
DUP_HSDP1_AUTMAN	:=	%IX1.1.24	;
DUP_HSDP1_ONOFF	:=	%IX1.1.25	;
DUP_HSDP1_TRIP	:=	%IX1.1.26	;
DUP_SPARE38	:=	%IX1.1.28	;

DUP_SPARE39	:=	%IX1.1.29	;
DUP_SPARE40	:=	%IX1.1.30	;
DUP_SPARE41	:=	%IX1.1.31	;
DUP_SPARE97	:=	%IX1.2.8	;
DUP_SPARE98	:=	%IX1.2.9	;
DUP_SPARE99	:=	%IX1.2.10	;
DUP_SPARE100	:=	%IX1.2.17	;
DUP_JKP1_ONOFF	:=	%IX1.2.18	;
DUP_JKP1_TRIP	:=	%IX1.2.19	;
DUP_SPARE101	:=	%IX1.2.20	;
DUP_JKP2_ONOFF	:=	%IX1.2.21	;
DUP_JKP2_TRIP	:=	%IX1.2.22	;
DUP_SPARE102	:=	%IX1.2.23	;
DUP_FE1_ONOFF	:=	%IX1.2.24	;
DUP_FE1_TRIP	:=	%IX1.2.25	;
DUP_SPARE103	:=	%IX1.2.26	;
DUP_FE2_ONOFF	:=	%IX1.2.27	;
DUP_SPARE42	:=	%IX1.2.28	;
DUP_SPARE43	:=	%IX1.2.29	;
DUP_SPARE44	:=	%IX1.2.30	;
DUP_SPARE45	:=	%IX1.2.31	;
DUP_FE2_TRIP	:=	%IX2.0.0	;
DUP_SPARE104	:=	%IX2.0.1	;
DUP_FE3_ONOFF	:=	%IX2.0.2	;
DUP_FE3_TRIP	:=	%IX2.0.3	;
DUP_SPARE105	:=	%IX2.0.4	;
DUP_FE4_ONOFF	:=	%IX2.0.5	;
DUP_FE4_TRIP	:=	%IX2.0.6	;
DUP_SPARE106	:=	%IX2.0.7	;
DUP_FE5_ONOFF	:=	%IX2.0.8	;
DUP_FE5_TRIP	:=	%IX2.0.9	;
DUP_PF301_AUTMAN	:=	%IX2.0.10	;
DUP_PF301_ONOFF	:=	%IX2.0.11	;
DUP_PF301_TRIP	:=	%IX2.0.12	;
DUP_PF302_AUTMAN	:=	%IX2.0.13	;
DUP_PF302_ONOFF	:=	%IX2.0.14	;
DUP_PF302_TRIP	:=	%IX2.0.15	;
DUP_PF303_AUTMAN	:=	%IX2.0.16	;
DUP_PF303_ONOFF	:=	%IX2.0.17	;
DUP_PF303_TRIP	:=	%IX2.0.18	;
DUP_PF304_AUTMAN	:=	%IX2.0.19	;
DUP_PF304_ONOFF	:=	%IX2.0.20	;
DUP_PF304_TRIP	:=	%IX2.0.21	;
DUP_PF305_AUTMAN	:=	%IX2.0.22	;
DUP_PF305_ONOFF	:=	%IX2.0.23	;
DUP_PF305_TRIP	:=	%IX2.0.24	;
DUP_PF306_AUTMAN	:=	%IX2.0.25	;

DUP_PF306_ONOFF	:=	%IX2.0.26 ;
DUP_PF306_TRIP	:=	%IX2.0.27 ;
DUP_SPARE46	:=	%IX2.0.28 ;
DUP_SPARE47	:=	%IX2.0.29 ;
DUP_SPARE48	:=	%IX2.0.30 ;
DUP_SPARE49	:=	%IX2.0.31 ;
DUP_PF307_AUTMAN	:=	%IX2.1.0 ;
DUP_PF307_ONOFF	:=	%IX2.1.1 ;
DUP_PF307_TRIP	:=	%IX2.1.2 ;
DUP_PF308_AUTMAN	:=	%IX2.1.3 ;
DUP_PF308_ONOFF	:=	%IX2.1.4 ;
DUP_PF308_TRIP	:=	%IX2.1.5 ;
DUP_PF309_AUTMAN	:=	%IX2.1.6 ;
DUP_PF309_ONOFF	:=	%IX2.1.7 ;
DUP_PF309_TRIP	:=	%IX2.1.8 ;
DUP_PF310_AUTMAN	:=	%IX2.1.9 ;
DUP_PF310_ONOFF	:=	%IX2.1.10 ;
DUP_PF310_TRIP	:=	%IX2.1.11 ;
DUP_LTFEEDER_1	:=	%IX2.1.12 ;
DUP_LTFEEDER_2	:=	%IX2.1.13 ;
DUP_LTFEEDER_3	:=	%IX2.1.14 ;
DUP_LTFEEDER_4	:=	%IX2.1.15 ;
DUP_LTFEEDER_5	:=	%IX2.1.16 ;
DUP_SPARE50	:=	%IX2.1.17 ;
DUP_SPARE51	:=	%IX2.1.18 ;
DUP_SPARE52	:=	%IX2.1.19 ;
DUP_SPARE53	:=	%IX2.1.20 ;
DUP_SPARE54	:=	%IX2.1.21 ;
DUP_SPARE55	:=	%IX2.1.22 ;
DUP_SPARE56	:=	%IX2.1.23 ;
DUP_SPARE57	:=	%IX2.1.24 ;
DUP_SPARE58	:=	%IX2.1.25 ;
DUP_SPARE59	:=	%IX2.1.26 ;
DUP_SPARE60	:=	%IX2.1.27 ;
DUP_SPARE61	:=	%IX2.1.28 ;
DUP_SPARE62	:=	%IX2.1.29 ;
DUP_SPARE63	:=	%IX2.1.30 ;
DUP_SPARE64	:=	%IX2.1.31 ;



Chassis/ RACK	Slot	Channel	SYSTEM TAG	Description	STATE 0	STATE 1	DUP_<PLC TAG>	DUP	ADDRESS	MEMOR Y
1	3	0	PF-300A-STRT/STP	PRODUCT JOKEY PUMP START/STOP	STOP	START	PF300A_STRTSTP	DUP_PF300A_STRTSTP	%QX1.3.0	%MX201
1	3	1	PF-300B-STRT/STP	PRODUCT JOKEY PUMP START/STOP	STOP	START	PF300B_STRTSTP	DUP_PF300B_STRTSTP	%QX1.3.1	%MX202
1	3	2	TT-P-1-STRT/STP	TT DECANTING START/STOP	STOP	START	TTP1_STRTSTP	DUP_TTP1_STRTSTP	%QX1.3.2	%MX203
1	3	3	TT-P-2-STRT/STP	TT DECANTING START/STOP	STOP	START	TTP2_STRTSTP	DUP_TTP2_STRTSTP	%QX1.3.3	%MX204
1	3	4	TT-P-3-STRT/STP	TT DECANTING START/STOP	STOP	START	TTP3_STRTSTP	DUP_TTP3_STRTSTP	%QX1.3.4	%MX205
1	3	8	HSD-P-1-STRT/STP	DIESEL TANK START/STOP	STOP	START	HSDP1_STRTSTP	DUP_HSDP1_STRTSTP	%QX1.3.8	%MX209
1	3	12	SPARE	SPARE	STOP	START	SPARE107	DUP_SPARE107	%QX1.3.12	%MX213
1	3	15	SPARE	SPARE	SPARE	SPARE	SPARE65	DUP_SPARE65	%QX1.3.15	%MX216
1	3	16	SPARE	SPARE	SPARE	SPARE	SPARE66	DUP_SPARE66	%QX1.3.16	%MX217
1	3	17	SPARE	SPARE	SPARE	SPARE	SPARE67	DUP_SPARE67	%QX1.3.17	%MX218
1	3	18	SPARE	SPARE	SPARE	SPARE	SPARE68	DUP_SPARE68	%QX1.3.18	%MX219
1	3	19	SPARE	SPARE	SPARE	SPARE	SPARE69	DUP_SPARE69	%QX1.3.19	%MX220
1	3	20	SPARE	SPARE	SPARE	SPARE	SPARE70	DUP_SPARE70	%QX1.3.20	%MX221
1	3	21	SPARE	SPARE	SPARE	SPARE	SPARE71	DUP_SPARE71	%QX1.3.21	%MX222
1	3	22	SPARE	SPARE	SPARE	SPARE	SPARE72	DUP_SPARE72	%QX1.3.22	%MX223
1	3	23	SPARE	SPARE	SPARE	SPARE	SPARE73	DUP_SPARE73	%QX1.3.23	%MX224
1	3	24	SPARE	SPARE	SPARE	SPARE	SPARE74	DUP_SPARE74	%QX1.3.24	%MX225
1	3	25	SPARE	SPARE	SPARE	SPARE	SPARE75	DUP_SPARE75	%QX1.3.25	%MX226
1	3	26	SPARE	SPARE	SPARE	SPARE	SPARE76	DUP_SPARE76	%QX1.3.26	%MX227
1	3	27	SPARE	SPARE	SPARE	SPARE	SPARE77	DUP_SPARE77	%QX1.3.27	%MX228
1	3	28	SPARE	SPARE	SPARE	SPARE	SPARE78	DUP_SPARE78	%QX1.3.28	%MX229
1	3	29	SPARE	SPARE	SPARE	SPARE	SPARE79	DUP_SPARE79	%QX1.3.29	%MX230
1	3	30	SPARE	SPARE	SPARE	SPARE	SPARE80	DUP_SPARE80	%QX1.3.30	%MX231
1	3	31	SPARE	SPARE	SPARE	SPARE	SPARE81	DUP_SPARE81	%QX1.3.31	%MX232
1	3	0	SPARE	SPARE	STOP	START	SPARE108	DUP_SPARE108	%QX1.3.0	%MX233
1	3	1	SPARE	SPARE	STOP	START	SPARE109	DUP_SPARE109	%QX1.3.1	%MX234
1	3	2	SPARE	SPARE	STOP	START	SPARE110	DUP_SPARE110	%QX1.3.2	%MX235
1	3	3	SPARE	SPARE	STOP	START	SPARE111	DUP_SPARE111	%QX1.3.3	%MX236
1	3	4	SPARE	SPARE	STOP	START	SPARE112	DUP_SPARE112	%QX1.3.4	%MX237
1	3	5	SPARE	SPARE	STOP	START	SPARE113	DUP_SPARE113	%QX1.3.5	%MX238
1	3	6	SPARE	SPARE	STOP	START	SPARE114	DUP_SPARE114	%QX1.3.6	%MX239
1	3	7	PF-301-STRT/STP	TRANSFER PUMP START/STOP	STOP	START	PF301_STRTSTP	DUP_PF301_STRTSTP	%QX1.3.7	%MX240
1	3	8	PF-302-STRT/STP	TRANSFER PUMP START/STOP	STOP	START	PF302_STRTSTP	DUP_PF302_STRTSTP	%QX1.3.8	%MX241
1	4	9	PF-303-STRT/STP	TRANSFER PUMP START/STOP	STOP	START	PF303_STRTSTP	DUP_PF303_STRTSTP	%QX1.4.9	%MX242
1	4	10	PF-304-STRT/STP	TRANSFER PUMP START/STOP	STOP	START	PF304_STRTSTP	DUP_PF304_STRTSTP	%QX1.4.10	%MX243
1	4	11	PF-305-STRT/STP	TRANSFER PUMP START/STOP	STOP	START	PF305_STRTSTP	DUP_PF305_STRTSTP	%QX1.4.11	%MX244
1	4	12	PF-306-STRT/STP	TRANSFER PUMP START/STOP	STOP	START	PF306_STRTSTP	DUP_PF306_STRTSTP	%QX1.4.12	%MX245
1	4	13	PF-307-STRT/STP	TRANSFER PUMP START/STOP	STOP	START	PF307_STRTSTP	DUP_PF307_STRTSTP	%QX1.4.13	%MX246
1	4	14	PF-308-STRT/STP	TRANSFER PUMP START/STOP	STOP	START	PF308_STRTSTP	DUP_PF308_STRTSTP	%QX1.4.14	%MX247
1	4	15	PF-309-STRT/STP	TRANSFER PUMP START/STOP	STOP	START	PF309_STRTSTP	DUP_PF309_STRTSTP	%QX1.4.15	%MX248
1	4	16	PF-310-STRT/STP	TRANSFER PUMP START/STOP	STOP	START	PF310_STRTSTP	DUP_PF310_STRTSTP	%QX1.4.16	%MX249
1	4	17	SPARE	SPARE	SPARE	SPARE	SPARE82	DUP_SPARE82	%QX1.4.17	%MX250
1	4	18	SPARE	SPARE	SPARE	SPARE	SPARE83	DUP_SPARE83	%QX1.4.18	%MX251
1	4	19	SPARE	SPARE	SPARE	SPARE	SPARE84	DUP_SPARE84	%QX1.4.19	%MX252

1	4	20	SPARE	SPARE	SPARE	SPARE	SPARE85	DUP_SPARE85	%QX1.4.20	%MX253
1	4	21	SPARE	SPARE	SPARE	SPARE	SPARE86	DUP_SPARE86	%QX1.4.21	%MX254
1	4	22	SPARE	SPARE	SPARE	SPARE	SPARE87	DUP_SPARE87	%QX1.4.22	%MX255
1	4	23	SPARE	SPARE	SPARE	SPARE	SPARE88	DUP_SPARE88	%QX1.4.23	%MX256
1	4	24	SPARE	SPARE	SPARE	SPARE	SPARE89	DUP_SPARE89	%QX1.4.24	%MX257
1	4	25	SPARE	SPARE	SPARE	SPARE	SPARE90	DUP_SPARE90	%QX1.4.25	%MX258
1	4	26	SPARE	SPARE	SPARE	SPARE	SPARE91	DUP_SPARE91	%QX1.4.26	%MX259
1	4	27	SPARE	SPARE	SPARE	SPARE	SPARE92	DUP_SPARE92	%QX1.4.27	%MX260
1	4	28	SPARE	SPARE	SPARE	SPARE	SPARE93	DUP_SPARE93	%QX1.4.28	%MX261
1	4	29	SPARE	SPARE	SPARE	SPARE	SPARE94	DUP_SPARE94	%QX1.4.29	%MX262
1	4	30	SPARE	SPARE	SPARE	SPARE	SPARE95	DUP_SPARE95	%QX1.4.30	%MX263
1	4	31	SPARE	SPARE	SPARE	SPARE	SPARE96	DUP_SPARE96	%QX1.4.31	%MX264

VAR_EXTERNAL	DUP_PF300A_STRTSTP	BOOL	%MX201	0	1	0	0	PRODUCT JOKEY PUMP START/STOP
VAR_EXTERNAL	DUP_PF300B_STRTSTP	BOOL	%MX202	0	1	0	0	PRODUCT JOKEY PUMP START/STOP
VAR_EXTERNAL	DUP_TTP1_STRTSTP	BOOL	%MX203	0	1	0	0	TT DECANTING START/STOP
VAR_EXTERNAL	DUP_TTP2_STRTSTP	BOOL	%MX204	0	1	0	0	TT DECANTING START/STOP
VAR_EXTERNAL	DUP_TTP3_STRTSTP	BOOL	%MX205	0	1	0	0	TT DECANTING START/STOP
VAR_EXTERNAL	DUP_HSDP1_STRTSTP	BOOL	%MX209	0	1	0	0	DIESEL TANK START/STOP
VAR_EXTERNAL	DUP_SPARE107	BOOL	%MX213	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE65	BOOL	%MX216	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE66	BOOL	%MX217	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE67	BOOL	%MX218	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE68	BOOL	%MX219	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE69	BOOL	%MX220	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE70	BOOL	%MX221	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE71	BOOL	%MX222	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE72	BOOL	%MX223	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE73	BOOL	%MX224	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE74	BOOL	%MX225	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE75	BOOL	%MX226	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE76	BOOL	%MX227	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE77	BOOL	%MX228	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE78	BOOL	%MX229	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE79	BOOL	%MX230	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE80	BOOL	%MX231	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE81	BOOL	%MX232	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE108	BOOL	%MX233	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE109	BOOL	%MX234	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE110	BOOL	%MX235	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE111	BOOL	%MX236	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE112	BOOL	%MX237	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE113	BOOL	%MX238	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE114	BOOL	%MX239	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_PF301_STRTSTP	BOOL	%MX240	0	1	0	0	TRANSFER PUMP START/STOP
VAR_EXTERNAL	DUP_PF302_STRTSTP	BOOL	%MX241	0	1	0	0	TRANSFER PUMP START/STOP
VAR_EXTERNAL	DUP_PF303_STRTSTP	BOOL	%MX242	0	1	0	0	TRANSFER PUMP START/STOP
VAR_EXTERNAL	DUP_PF304_STRTSTP	BOOL	%MX243	0	1	0	0	TRANSFER PUMP START/STOP
VAR_EXTERNAL	DUP_PF305_STRTSTP	BOOL	%MX244	0	1	0	0	TRANSFER PUMP START/STOP
VAR_EXTERNAL	DUP_PF306_STRTSTP	BOOL	%MX245	0	1	0	0	TRANSFER PUMP START/STOP
VAR_EXTERNAL	DUP_PF307_STRTSTP	BOOL	%MX246	0	1	0	0	TRANSFER PUMP START/STOP
VAR_EXTERNAL	DUP_PF308_STRTSTP	BOOL	%MX247	0	1	0	0	TRANSFER PUMP START/STOP
VAR_EXTERNAL	DUP_PF309_STRTSTP	BOOL	%MX248	0	1	0	0	TRANSFER PUMP START/STOP
VAR_EXTERNAL	DUP_PF310_STRTSTP	BOOL	%MX249	0	1	0	0	TRANSFER PUMP START/STOP
VAR_EXTERNAL	DUP_SPARE82	BOOL	%MX250	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE83	BOOL	%MX251	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE84	BOOL	%MX252	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE85	BOOL	%MX253	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE86	BOOL	%MX254	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE87	BOOL	%MX255	0	1	0	0	SPARE

VAR_EXTERNAL	DUP_SPARE88	BOOL	%MX256	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE89	BOOL	%MX257	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE90	BOOL	%MX258	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE91	BOOL	%MX259	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE92	BOOL	%MX260	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE93	BOOL	%MX261	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE94	BOOL	%MX262	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE95	BOOL	%MX263	0	1	0	0	SPARE
VAR_EXTERNAL	DUP_SPARE96	BOOL	%MX264	0	1	0	0	SPARE

IF B=0 THEN

%QX1.3.0	:=	DUP_PF300A_STRTSTP	;	%QX1.3.0	:=	DUP_PF300A_STRTSTP	;
%QX1.3.1	:=	DUP_PF300B_STRTSTP	;	%QX1.3.1	:=	DUP_PF300B_STRTSTP	;
%QX1.3.2	:=	DUP_TTP1_STRTSTP	;	%QX1.3.2	:=	DUP_TTP1_STRTSTP	;
%QX1.3.3	:=	DUP_TTP2_STRTSTP	;	%QX1.3.3	:=	DUP_TTP2_STRTSTP	;
%QX1.3.4	:=	DUP_TTP3_STRTSTP	;	%QX1.3.4	:=	DUP_TTP3_STRTSTP	;
%QX1.3.8	:=	DUP_HSDP1_STRTSTP	;	%QX1.3.8	:=	DUP_HSDP1_STRTSTP	;
%QX1.3.12	:=	DUP_SPARE107	;	%QX1.3.12	:=	DUP_SPARE107	;
%QX1.3.15	:=	DUP_SPARE65	;	%QX1.3.15	:=	DUP_SPARE65	;
%QX1.3.16	:=	DUP_SPARE66	;	%QX1.3.16	:=	DUP_SPARE66	;
%QX1.3.17	:=	DUP_SPARE67	;	%QX1.3.17	:=	DUP_SPARE67	;
%QX1.3.18	:=	DUP_SPARE68	;	%QX1.3.18	:=	DUP_SPARE68	;
%QX1.3.19	:=	DUP_SPARE69	;	%QX1.3.19	:=	DUP_SPARE69	;
%QX1.3.20	:=	DUP_SPARE70	;	%QX1.3.20	:=	DUP_SPARE70	;
%QX1.3.21	:=	DUP_SPARE71	;	%QX1.3.21	:=	DUP_SPARE71	;
%QX1.3.22	:=	DUP_SPARE72	;	%QX1.3.22	:=	DUP_SPARE72	;
%QX1.3.23	:=	DUP_SPARE73	;	%QX1.3.23	:=	DUP_SPARE73	;
%QX1.3.24	:=	DUP_SPARE74	;	%QX1.3.24	:=	DUP_SPARE74	;
%QX1.3.25	:=	DUP_SPARE75	;	%QX1.3.25	:=	DUP_SPARE75	;
%QX1.3.26	:=	DUP_SPARE76	;	%QX1.3.26	:=	DUP_SPARE76	;
%QX1.3.27	:=	DUP_SPARE77	;	%QX1.3.27	:=	DUP_SPARE77	;
%QX1.3.28	:=	DUP_SPARE78	;	%QX1.3.28	:=	DUP_SPARE78	;
%QX1.3.29	:=	DUP_SPARE79	;	%QX1.3.29	:=	DUP_SPARE79	;
%QX1.3.30	:=	DUP_SPARE80	;	%QX1.3.30	:=	DUP_SPARE80	;
%QX1.3.31	:=	DUP_SPARE81	;	%QX1.3.31	:=	DUP_SPARE81	;
%QX1.4.0	:=	DUP_SPARE108	;	%QX1.4.1	:=	DUP_SPARE109	;
%QX1.4.1	:=	DUP_SPARE109	;	%QX1.4.2	:=	DUP_SPARE110	;
%QX1.3.2	:=	DUP_SPARE110	;	%QX1.4.3	:=	DUP_SPARE111	;
%QX1.3.3	:=	DUP_SPARE111	;	%QX1.4.4	:=	DUP_SPARE112	;
%QX1.3.4	:=	DUP_SPARE112	;	%QX1.4.5	:=	DUP_SPARE113	;
%QX1.3.5	:=	DUP_SPARE113	;	%QX1.4.6	:=	DUP_SPARE114	;
%QX1.3.6	:=	DUP_SPARE114	;	%QX1.4.7	:=	DUP_PF301_STRTSTP	;
%QX1.3.7	:=	DUP_PF301_STRTSTP	;	%QX1.4.8	:=	DUP_PF302_STRTSTP	;
%QX1.3.8	:=	DUP_PF302_STRTSTP	;	%QX1.4.9	:=	DUP_PF303_STRTSTP	;
%QX1.4.9	:=	DUP_PF303_STRTSTP	;	%QX1.4.10	:=	DUP_PF304_STRTSTP	;
%QX1.4.10	:=	DUP_PF304_STRTSTP	;	%QX1.4.11	:=	DUP_PF305_STRTSTP	;
%QX1.4.11	:=	DUP_PF305_STRTSTP	;	%QX1.4.12	:=	DUP_PF306_STRTSTP	;
%QX1.4.12	:=	DUP_PF306_STRTSTP	;	%QX1.4.13	:=	DUP_PF307_STRTSTP	;

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%QX1.4.13 := DUP_PF307_STRTSTP ;
%QX1.4.14 := DUP_PF308_STRTSTP ;
%QX1.4.15 := DUP_PF309_STRTSTP ;
%QX1.4.16 := DUP_PF310_STRTSTP ;
%QX1.4.17 := DUP_SPARE82 ;
%QX1.4.18 := DUP_SPARE83 ;
%QX1.4.19 := DUP_SPARE84 ;
%QX1.4.20 := DUP_SPARE85 ;
%QX1.4.21 := DUP_SPARE86 ;
%QX1.4.22 := DUP_SPARE87 ;
%QX1.4.23 := DUP_SPARE88 ;
%QX1.4.24 := DUP_SPARE89 ;
%QX1.4.25 := DUP_SPARE90 ;
%QX1.4.26 := DUP_SPARE91 ;
%QX1.4.27 := DUP_SPARE92 ;
%QX1.4.28 := DUP_SPARE93 ;
%QX1.4.29 := DUP_SPARE94 ;
%QX1.4.30 := DUP_SPARE95 ;
%QX1.4.31 := DUP_SPARE96 ;

%QX1.4.14 := DUP_PF308_STRTSTP ;
%QX1.4.15 := DUP_PF309_STRTSTP ;
%QX1.4.16 := DUP_PF310_STRTSTP ;
%QX1.4.17 := DUP_SPARE82 ;
%QX1.4.18 := DUP_SPARE83 ;
%QX1.4.19 := DUP_SPARE84 ;
%QX1.4.20 := DUP_SPARE85 ;
%QX1.4.21 := DUP_SPARE86 ;
%QX1.4.22 := DUP_SPARE87 ;
%QX1.4.23 := DUP_SPARE88 ;
%QX1.4.24 := DUP_SPARE89 ;
%QX1.4.25 := DUP_SPARE90 ;
%QX1.4.26 := DUP_SPARE91 ;
%QX1.4.27 := DUP_SPARE92 ;
%QX1.4.28 := DUP_SPARE93 ;
%QX1.4.29 := DUP_SPARE94 ;
%QX1.4.30 := DUP_SPARE95 ;
%QX1.4.31 := DUP_SPARE96 ;

END_IF;
```

SR. NO.	TANK NO	DESCRIPTI ON	TK-SEQ START BIT	DORMAN T BIT	MAINTA NCE MODE BIT	TLF DISPATCH H MODE BIT	TLD RECEIPT MODE BIT	TLF DISPATCH H PER	TLD RECEIPT PER	LEAK ALARM RADAR SERIAL	SERVO RADAR SERIAL LEVEL DIFF ALARM	TLF START INTERLO CK	LEAK ACKNOW LEDGE	RADAR SERIAL AND 4- 40ms DEVIATI ON	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	TANK MODE ENTRY REG	TANK MODE DISPLAY REG	SPARE	TANK HI ALARM RADAR	TANK HI ALARM RADAR	TANK LO ALARM RADAR	TANK LEVEL SERIAL RADAR REG	TANK FINAL LVL SERIAL SERVO	TANK HI SP	TANK HI SP	TANK LO SP	TANK LO SP	
1	VF-201	ATF TANK-1	%MX901	%MX902	%MX903	%MX904	%MX905	%MX906	%MX907	%MX908	%MX909	%MX910	%MX911	%MX912	%MX913	%MX914	%MX915	%MX916	%MX917	%MX918	%RW1602	%RW1603	%RW1604	%MX8004	%MX8001	%MX8002	%MX8003	%RW4000	%RW4001	%RW4002	%RW4003	%RW4004	%RW4005
2	VF-201	ATF TANK-2	%MX921	%MX922	%MX923	%MX924	%MX925	%MX926	%MX927	%MX928	%MX929	%MX930	%MX931	%MX932	%MX933	%MX934	%MX935	%MX936	%MX937	%MX938	%RW1605	%RW1606	%RW1607	%MX8006	%MX8005	%MX8006	%MX8007	%RW4006	%RW4007	%RW4008	%RW4009	%RW4010	%RW4011
3	VF-203	ATF TANK-3	%MX937	%MX938	%MX939	%MX940	%MX941	%MX942	%MX943	%MX944	%MX945	%MX946	%MX947	%MX948	%MX949	%MX950	%MX951	%MX952	%MX953	%MX954	%RW1608	%RW1609	%RW1610	%MX8008	%MX8009	%MX8010	%MX8011	%RW4012	%RW4013	%RW4014	%RW4015	%RW4016	%RW4017
4	VF-204	ATF TANK-4	%MX956	%MX957	%MX958	%MX959	%MX960	%MX961	%MX962	%MX963	%MX964	%MX965	%MX966	%MX967	%MX968	%MX969	%MX970	%MX971	%MX972	%MX973	%RW1611	%RW1612	%RW1613	%MX8012	%MX8013	%MX8014	%MX8015	%RW4018	%RW4019	%RW4020	%RW4021	%RW4022	%RW4023
5	VF-205	ATF TANK-5	%MX974	%MX975	%MX976	%MX977	%MX978	%MX979	%MX980	%MX981	%MX982	%MX983	%MX984	%MX985	%MX986	%MX987	%MX988	%MX989	%MX990	%MX991	%RW1614	%RW1615	%RW1616	%MX8016	%MX8017	%MX8018	%MX8019	%RW4024	%RW4025	%RW4026	%RW4027	%RW4028	%RW4029
6	VF-206	ATF TANK-6	%MX991	%MX992	%MX993	%MX994	%MX995	%MX996	%MX997	%MX998	%MX999	%MX1000	%MX1001	%MX1002	%MX1003	%MX1004	%MX1005	%MX1006	%MX1007	%MX1008	%RW1617	%RW1618	%RW1619	%MX8020	%MX8021	%MX8022	%MX8023	%RW4030	%RW4031	%RW4032	%RW4033	%RW4034	%RW4035

VAR EXTERNAL	LVF201	INT	%RW4000		1	1	0	0	ATF TANK-1 RADAR SERIAL LEVEL
VAR EXTERNAL	LVF201A	INT	%RW4001		1	1	0	0	ATF TANK-1 SERVO SERIAL LEVEL
VAR EXTERNAL	LVF201 HSP	INT	%RW4002		1	1	0	0	ATF TANK-1 RADAR SERIAL LEVEL HIGH HIGH SP
VAR EXTERNAL	LVF201 HSP	INT	%RW4003		1	1	0	0	ATF TANK-1 RADAR SERIAL LEVEL HIGH SP
VAR EXTERNAL	LVF201 LSP	INT	%RW4004		1	1	0	0	ATF TANK-1 RADAR SERIAL LEVEL LOW SP
VAR EXTERNAL	LVF201 LSP	INT	%RW4005		1	1	0	0	ATF TANK-1 RADAR SERIAL LEVEL LOW LOW SP
VAR EXTERNAL	LVF201 HI ALM	BOOL	%MX8000		0	1	0	0	ATF TANK-1 RADAR SERIAL LEVEL HIGH HIGH ALARM
VAR EXTERNAL	LVF201 HI ALM	BOOL	%MX8001		0	1	0	0	ATF TANK-1 RADAR SERIAL LEVEL HIGH ALARM
VAR EXTERNAL	LVF201 LO ALM	BOOL	%MX8002		0	1	0	0	ATF TANK-1 RADAR SERIAL LEVEL LOW ALARM
VAR EXTERNAL	LVF201 LO LO ALM	BOOL	%MX8003		0	1	0	0	ATF TANK-1 RADAR SERIAL LEVEL LOW LOW ALARM
VAR	LVF201_LVL_DIFF	INT			0	1	0	0	
VAR	LVF201_LVL_DIFF ALM	BOOL	%MX909		0	1	0	0	ATF TANK-1 RADAR & SERVO SERIAL LEVEL DIFFERENCE ALARM

VAR EXTERNAL	LVF202	INT	%RW4006		1	1	0	0	ATF TANK-2 RADAR SERIAL LEVEL
VAR EXTERNAL	LVF202A	INT	%RW4007		1	1	0	0	ATF TANK-2 SERVO SERIAL LEVEL
VAR EXTERNAL	LVF202 HSP	INT	%RW4008		1	1	0	0	ATF TANK-2 RADAR SERIAL LEVEL HIGH HIGH SP
VAR EXTERNAL	LVF202 HSP	INT	%RW4009		1	1	0	0	ATF TANK-2 RADAR SERIAL LEVEL HIGH SP
VAR EXTERNAL	LVF202 LSP	INT	%RW4010		1	1	0	0	ATF TANK-2 RADAR SERIAL LEVEL LOW SP
VAR EXTERNAL	LVF202 LSP	INT	%RW4011		1	1	0	0	ATF TANK-2 RADAR SERIAL LEVEL LOW LOW SP
VAR EXTERNAL	LVF202 HI HI ALM	BOOL	%MX8004		0	1	0	0	ATF TANK-2 RADAR SERIAL LEVEL HIGH HIGH ALARM
VAR EXTERNAL	LVF202 HI ALM	BOOL	%MX8005		0	1	0	0	ATF TANK-2 RADAR SERIAL LEVEL HIGH ALARM
VAR EXTERNAL	LVF202 LO ALM	BOOL	%MX8006		0	1	0	0	ATF TANK-2 RADAR SERIAL LEVEL LOW ALARM
VAR EXTERNAL	LVF202 LO LO ALM	BOOL	%MX8007		0	1	0	0	ATF TANK-2 RADAR SERIAL LEVEL LOW LOW ALARM
VAR	LVF202_LVL_DIFF	INT			0	1	0	0	
VAR	LVF202_LVL_DIFF ALM	BOOL	%MX927		0	1	0	0	ATF TANK-2 RADAR & SERVO SERIAL LEVEL DIFFERENCE ALARM

VAR EXTERNAL	LVF203	INT	%RW4012		1	1	0	0	ATF TANK-3 RADAR SERIAL LEVEL
VAR EXTERNAL	LVF203A	INT	%RW4013		1	1	0	0	ATF TANK-3 SERVO SERIAL LEVEL
VAR EXTERNAL	LVF203 HSP	INT	%RW4014		1	1	0	0	ATF TANK-3 RADAR SERIAL LEVEL HIGH HIGH SP
VAR EXTERNAL	LVF203 HSP	INT	%RW4015		1	1	0	0	ATF TANK-3 RADAR SERIAL LEVEL HIGH SP
VAR EXTERNAL	LVF203 LSP	INT	%RW4016		1	1	0	0	ATF TANK-3 RADAR SERIAL LEVEL LOW SP
VAR EXTERNAL	LVF203 LSP	INT	%RW4017		1	1	0	0	ATF TANK-3 RADAR SERIAL LEVEL LOW LOW SP
VAR EXTERNAL	LVF203 HI HI ALM	BOOL	%MX8008		0	1	0	0	ATF TANK-3 RADAR SERIAL LEVEL HIGH HIGH ALARM
VAR EXTERNAL	LVF203 HI ALM	BOOL	%MX8009		0	1	0	0	ATF TANK-3 RADAR SERIAL LEVEL HIGH ALARM
VAR EXTERNAL	LVF203 LO ALM	BOOL	%MX910		0	1	0	0	ATF TANK-3 RADAR SERIAL LEVEL LOW ALARM
VAR EXTERNAL	LVF203 LO LO ALM	BOOL	%MX8011		0	1	0	0	ATF TANK-3 RADAR SERIAL LEVEL LOW LOW ALARM
VAR	LVF203_LVL_DIFF	INT			0	1	0	0	
VAR	LVF203_LVL_DIFF ALM	BOOL	%MX945		0	1	0	0	ATF TANK-3 RADAR & SERVO SERIAL LEVEL DIFFERENCE ALARM

VAR EXTERNAL	LVF204	INT	%RW4018		1	1	0	0	ATF TANK-4 RADAR SERIAL LEVEL
VAR EXTERNAL	LVF204A	INT	%RW4019		1	1	0	0	ATF TANK-4 SERVO SERIAL LEVEL
VAR EXTERNAL	LVF204 HSP	INT	%RW4020		1	1	0	0	ATF TANK-4 RADAR SERIAL LEVEL HIGH HIGH SP
VAR EXTERNAL	LVF204 HSP	INT	%RW4021		1	1	0	0	ATF TANK-4 RADAR SERIAL LEVEL HIGH SP
VAR EXTERNAL	LVF204 LSP	INT	%RW4022		1	1	0	0	ATF TANK-4 RADAR SERIAL LEVEL LOW SP
VAR EXTERNAL	LVF204 LSP	INT	%RW4023		1	1	0	0	ATF TANK-4 RADAR SERIAL LEVEL LOW LOW SP
VAR EXTERNAL	LVF204 HI HI ALM	BOOL	%MX8012		0	1	0	0	ATF TANK-4 RADAR SERIAL LEVEL HIGH HIGH ALARM
VAR EXTERNAL	LVF204 HI ALM	BOOL	%MX8013		0	1	0	0	ATF TANK-4 RADAR SERIAL LEVEL HIGH ALARM
VAR EXTERNAL	LVF204 LO ALM	BOOL	%MX8014		0	1	0	0	ATF TANK-4 RADAR SERIAL LEVEL LOW ALARM
VAR EXTERNAL	LVF204 LO LO ALM	BOOL	%MX8015		0	1	0	0	ATF TANK-4 RADAR SERIAL LEVEL LOW LOW ALARM
VAR	LVF204_LVL_DIFF	INT			0	1	0	0	
VAR	LVF204_LVL_DIFF ALM	BOOL	%MX963		0	1	0	0	ATF TANK-4 RADAR & SERVO SERIAL LEVEL DIFFERENCE ALARM

VAR EXTERNAL	LVF205	INT	%RW4024		1	1	0	0	ATF TANK-5 RADAR SERIAL LEVEL
VAR EXTERNAL	LVF205A	INT	%RW4025		1	1	0	0	ATF TANK-5 SERVO SERIAL LEVEL
VAR EXTERNAL	LVF205 HSP	INT	%RW4026		1	1	0	0	ATF TANK-5 RADAR SERIAL LEVEL HIGH HIGH SP
VAR EXTERNAL	LVF205 HSP	INT	%RW4027		1	1	0	0	ATF TANK-5 RADAR SERIAL LEVEL HIGH SP
VAR EXTERNAL	LVF205 LSP	INT	%RW4028		1	1	0	0	ATF TANK-5 RADAR SERIAL LEVEL LOW SP
VAR EXTERNAL	LVF205 LSP	INT	%RW4029		1	1	0	0	ATF TANK-5 RADAR SERIAL LEVEL LOW LOW SP
VAR EXTERNAL	LVF205 HI HI ALM	BOOL	%MX8016		0	1	0	0	ATF TANK-5 RADAR SERIAL LEVEL HIGH HIGH ALARM
VAR EXTERNAL	LVF205 HI ALM	BOOL	%MX8017		0	1	0	0	ATF TANK-5 RADAR SERIAL LEVEL HIGH ALARM
VAR EXTERNAL	LVF205 LO ALM	BOOL	%MX8018		0	1	0	0	ATF TANK-5 RADAR SERIAL LEVEL LOW ALARM
VAR EXTERNAL	LVF205 LO LO ALM	BOOL	%MX8019		0	1	0	0	ATF TANK-5 RADAR SERIAL LEVEL LOW LOW ALARM
VAR	LVF205_LVL_DIFF	INT			0	1	0	0	
VAR	LVF205_LVL_DIFF ALM	BOOL	%MX981		0	1	0	0	ATF TANK-5 RADAR & SERVO SERIAL LEVEL DIFFERENCE ALARM

VAR EXTERNAL	LVF206	INT	%RW4030		1	1	0	0	ATF TANK-6 RADAR SERIAL LEVEL
VAR EXTERNAL	LVF206A	INT	%RW4031		1	1	0	0	ATF TANK-6 SERVO SERIAL LEVEL
VAR EXTERNAL	LVF206 HSP	INT	%RW4032		1	1	0	0	ATF TANK-6 RADAR SERIAL LEVEL HIGH HIGH SP
VAR EXTERNAL	LVF206 HSP	INT	%RW4033		1	1	0	0	ATF TANK-6 RADAR SERIAL LEVEL HIGH SP
VAR EXTERNAL	LVF206 LSP	INT	%RW4034		1	1	0	0	ATF TANK-6 RADAR SERIAL LEVEL LOW SP
VAR EXTERNAL	LVF206 LSP	INT	%RW4035		1	1	0	0	ATF TANK-6 RADAR SERIAL LEVEL LOW LOW SP
VAR EXTERNAL	LVF206 HI HI ALM	BOOL	%MX8020		0	1	0	0	ATF TANK-6 RADAR SERIAL LEVEL HIGH HIGH ALARM
VAR EXTERNAL	LVF206 HI ALM	BOOL	%MX8021		0	1	0	0	ATF TANK-6 RADAR SERIAL LEVEL HIGH ALARM
VAR EXTERNAL	LVF206 LO ALM	BOOL	%MX8022		0	1	0	0	ATF TANK-6 RADAR SERIAL LEVEL LOW ALARM
VAR EXTERNAL	LVF206 LO LO ALM	BOOL	%MX8023		0	1	0	0	ATF TANK-6 RADAR SERIAL LEVEL LOW LOW ALARM
VAR	LVF206_LVL_DIFF	INT			0	1	0	0	
VAR	LVF206_LVL_DIFF ALM	BOOL	%MX999		0	1	0	0	ATF TANK-6 RADAR & SERVO SERIAL LEVEL DIFFERENCE ALARM

VAR EXTERNAL	VF201 TLD REC PER BIT	BOOL	%MX907		0	1	0	0	ATF TANK-1 RECEIPT PERMISSIVES BIT
VAR EXTERNAL	VF202 TLD REC PER BIT	BOOL	%MX925		0	1	0	0	ATF TANK-2 RECEIPT PERMISSIVES BIT
VAR EXTERNAL	VF203 TLD REC PER BIT	BOOL	%MX943		0	1	0	0	ATF TANK-3 RECEIPT PERMISSIVES BIT
VAR EXTERNAL	VF204 TLD REC PER BIT	BOOL	%MX961		0	1	0	0	ATF TANK-4 RECEIPT PERMISSIVES BIT
VAR EXTERNAL	VF205 TLD REC PER BIT	BOOL	%MX979		0	1	0	0	ATF TANK-5 RECEIPT PERMISSIVES BIT
VAR EXTERNAL	VF206 TLD REC PER BIT	BOOL	%MX997		0	1	0	0	ATF TANK-6 RECEIPT PERMISSIVES BIT

VAR EXTERNAL	VF201 SEQ START BIT	BOOL	%MX901		0	1	0	0	ATF TANK-1 SEQUENCE START BIT
VAR EXTERNAL	VF202 SEQ START BIT	BOOL	%MX919		0	1	0	0	ATF TANK-2 SEQUENCE START BIT
VAR EXTERNAL	VF203 SEQ START BIT	BOOL	%MX937		0	1	0	0	ATF TANK-3 SEQUENCE START BIT
VAR EXTERNAL	VF204 SEQ START BIT	BOOL	%MX955		0	1	0	0	ATF TANK-4 SEQUENCE START BIT
VAR EXTERNAL	VF205 SEQ START BIT	BOOL	%MX973		0	1	0	0	ATF TANK-5 SEQUENCE START BIT
VAR EXTERNAL	VF206 SEQ START BIT	BOOL	%MX991		0	1	0	0	ATF TANK-6 SEQUENCE START BIT

VAR EXTERNAL	VF201 TLF DS PER BIT	BOOL	%MX906		0	1	0	0	ATF TANK-1 DISPATCH PERMISSIVES BIT
VAR EXTERNAL	VF202 TLF DS PER BIT	BOOL	%MX924		0	1	0	0	ATF TANK-2 DISPATCH PERMISSIVES BIT
VAR EXTERNAL	VF203 TLF DS PER BIT	BOOL	%MX942		0	1	0	0	ATF TANK-3 DISPATCH PERMISSIVES BIT

VAR	EXTERNAL	VF204 TLF DIS PER BIT	BOOL	%MX960	0	1	0	0	ATF TANK-4 DISPATCH PERMISSIVES BIT
VAR	EXTERNAL	VF205 TLF DIS PER BIT	BOOL	%MX978	0	1	0	0	ATF TANK-5 DISPATCH PERMISSIVES BIT
VAR	EXTERNAL	VF206 TLF DIS PER BIT	BOOL	%MX996	0	1	0	0	ATF TANK-6 DISPATCH PERMISSIVES BIT
VAR	EXTERNAL	VF201_MAINT	BOOL	%MX903	0	1	0	0	ATF TANK-1 IN MAINTENANCE
VAR	EXTERNAL	VF202_MAINT	BOOL	%MX921	0	1	0	0	ATF TANK-2 IN MAINTENANCE
VAR	EXTERNAL	VF203_MAINT	BOOL	%MX939	0	1	0	0	ATF TANK-3 IN MAINTENANCE
VAR	EXTERNAL	VF204_MAINT	BOOL	%MX957	0	1	0	0	ATF TANK-4 IN MAINTENANCE
VAR	EXTERNAL	VF205_MAINT	BOOL	%MX975	0	1	0	0	ATF TANK-5 IN MAINTENANCE
VAR	EXTERNAL	VF206_MAINT	BOOL	%MX993	0	1	0	0	ATF TANK-6 IN MAINTENANCE
VAR		VF201_MAINT_BIT	BOOL		0	1	0	0	ATF TANK-1 IN MAINTENANCE BIT
VAR		VF202_MAINT_BIT	BOOL		0	1	0	0	ATF TANK-2 IN MAINTENANCE BIT
VAR		VF203_MAINT_BIT	BOOL		0	1	0	0	ATF TANK-3 IN MAINTENANCE BIT
VAR		VF204_MAINT_BIT	BOOL		0	1	0	0	ATF TANK-4 IN MAINTENANCE BIT
VAR		VF205_MAINT_BIT	BOOL		0	1	0	0	ATF TANK-5 IN MAINTENANCE BIT
VAR		VF206_MAINT_BIT	BOOL		0	1	0	0	ATF TANK-6 IN MAINTENANCE BIT
VAR		VF201_MODE_REG	INT	%RW1602	1	1	0	0	ATF TANK-1 MODE REG
VAR		VF202_MODE_REG	INT	%RW1605	1	1	0	0	ATF TANK-2 MODE REG
VAR		VF203_MODE_REG	INT	%RW1608	1	1	0	0	ATF TANK-3 MODE REG
VAR		VF204_MODE_REG	INT	%RW1611	1	1	0	0	ATF TANK-4 MODE REG
VAR		VF205_MODE_REG	INT	%RW1614	1	1	0	0	ATF TANK-5 MODE REG
VAR		VF206_MODE_REG	INT	%RW1617	1	1	0	0	ATF TANK-6 MODE REG
VAR		VF201_TLF_DIS_BIT	BOOL		0	1	0	0	ATF TANK-1 TLF DISPATCH BIT
VAR		VF202_TLF_DIS_BIT	BOOL		0	1	0	0	ATF TANK-2 TLF DISPATCH BIT
VAR		VF203_TLF_DIS_BIT	BOOL		0	1	0	0	ATF TANK-3 TLF DISPATCH BIT
VAR		VF204_TLF_DIS_BIT	BOOL		0	1	0	0	ATF TANK-4 TLF DISPATCH BIT
VAR		VF205_TLF_DIS_BIT	BOOL		0	1	0	0	ATF TANK-5 TLF DISPATCH BIT
VAR		VF206_TLF_DIS_BIT	BOOL		0	1	0	0	ATF TANK-6 TLF DISPATCH BIT
VAR	EXTERNAL	VF201_DOR_BIT	BOOL	%MX902	0	1	0	0	ATF TANK-1 DORMANT BIT
VAR	EXTERNAL	VF202_DOR_BIT	BOOL	%MX920	0	1	0	0	ATF TANK-2 DORMANT BIT
VAR	EXTERNAL	VF203_DOR_BIT	BOOL	%MX938	0	1	0	0	ATF TANK-3 DORMANT BIT
VAR	EXTERNAL	VF204_DOR_BIT	BOOL	%MX956	0	1	0	0	ATF TANK-4 DORMANT BIT
VAR	EXTERNAL	VF205_DOR_BIT	BOOL	%MX974	0	1	0	0	ATF TANK-5 DORMANT BIT
VAR	EXTERNAL	VF206_DOR_BIT	BOOL	%MX992	0	1	0	0	ATF TANK-6 DORMANT BIT
VAR		VF201_TLD_REC_BIT	BOOL		0	1	0	0	ATF TANK-1 RECEIPT BIT
VAR		VF202_TLD_REC_BIT	BOOL		0	1	0	0	ATF TANK-2 RECEIPT BIT
VAR		VF203_TLD_REC_BIT	BOOL		0	1	0	0	ATF TANK-3 RECEIPT BIT
VAR		VF204_TLD_REC_BIT	BOOL		0	1	0	0	ATF TANK-4 RECEIPT BIT
VAR		VF205_TLD_REC_BIT	BOOL		0	1	0	0	ATF TANK-5 RECEIPT BIT
VAR		VF206_TLD_REC_BIT	BOOL		0	1	0	0	ATF TANK-6 RECEIPT BIT

Sr. No.	TAGS-final for address	PUMP DESCRIPTION	AUTO/MA NUAL	START CMD FROM EPKS	STOP CMD FROM EPKS	STPM	AUTO START	PUMP FAIL RESET BIT	PUMP_MAINTAINCE-	PUMP_R UN_HRS RESET_BI	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	SPARE	PUMP STATUS REG	PUMP RUN SEC	PUMP RUN MIN	PUMP RUN HOUR	PUMP PRIORITY REG	SPARE	SPARE
1	PF300A	PRODUCT JOCKEY PUMP-1 START/STOP	%MX1501	%MX1502	%MX1503	%MX1504	%MX1505	%MX1506	%MX1507	%MX1508	%MX1509	%MX1510	%MX1511	%MX1512	%MX1513	%MX1514	%MX1515	%RW1702	%RW1703	%RW1704	%RW1705	%RW1706	%RW1707	%RW1708
2	PF300B	PRODUCT JOCKEY PUMP-2 START/STOP	%MX1515	%MX1516	%MX1517	%MX1518	%MX1519	%MX1520	%MX1521	%MX1522	%MX1523	%MX1524	%MX1525	%MX1526	%MX1527	%MX1528	%MX1529	%RW1709	%RW1710	%RW1711	%RW1712	%RW1713	%RW1714	%RW1715
3	TT1P	TT DECONTANTING PUMP-1 START/STOP	%MX1529	%MX1530	%MX1531	%MX1532	%MX1533	%MX1534	%MX1535	%MX1536	%MX1537	%MX1538	%MX1539	%MX1540	%MX1541	%MX1542	%MX1543	%RW1716	%RW1717	%RW1718	%RW1719	%RW1720	%RW1721	%RW1722
4	TT2P	TT DECONTANTING PUMP-2 START/STOP	%MX1543	%MX1544	%MX1545	%MX1546	%MX1547	%MX1548	%MX1549	%MX1550	%MX1551	%MX1552	%MX1553	%MX1554	%MX1555	%MX1556	%MX1557	%RW1723	%RW1724	%RW1725	%RW1726	%RW1727	%RW1728	%RW1729
5	TT3P	TT DECONTANTING PUMP-3 START/STOP	%MX1557	%MX1558	%MX1559	%MX1560	%MX1561	%MX1562	%MX1563	%MX1564	%MX1565	%MX1566	%MX1567	%MX1568	%MX1569	%MX1570	%MX1571	%RW1730	%RW1731	%RW1732	%RW1733	%RW1734	%RW1735	%RW1736
9	HSDP1	DIESEL TANK PUMP-1 START/STOP	%MX1613	%MX1614	%MX1615	%MX1616	%MX1617	%MX1618	%MX1619	%MX1620	%MX1621	%MX1622	%MX1623	%MX1624	%MX1625	%MX1626	%MX1627	%RW1758	%RW1759	%RW1760	%RW1761	%RW1762	%RW1763	%RW1764
13	SPARE	SPARE	%MX1669	%MX1670	%MX1671	%MX1672	%MX1673	%MX1674	%MX1675	%MX1676	%MX1677	%MX1678	%MX1679	%MX1680	%MX1681	%MX1682	%MX1683	%RW1786	%RW1787	%RW1788	%RW1789	%RW1790	%RW1791	%RW1792
16	JKP1	FIRE WATER JOCKEY PUMP-1 START/STOP	%MX1711	%MX1712	%MX1713	%MX1714	%MX1715	%MX1716	%MX1717	%MX1718	%MX1719	%MX1720	%MX1721	%MX1722	%MX1723	%MX1724	%MX1725	%RW1807	%RW1808	%RW1809	%RW1810	%RW1811	%RW1812	%RW1813
17	JKP2	FIRE WATER JOCKEY PUMP-2 START/STOP	%MX1725	%MX1726	%MX1727	%MX1728	%MX1729	%MX1730	%MX1731	%MX1732	%MX1733	%MX1734	%MX1735	%MX1736	%MX1737	%MX1738	%MX1739	%RW1814	%RW1815	%RW1816	%RW1817	%RW1818	%RW1819	%RW1820
18	FE1	FIRE HYDRANT PUMP-1 START/STOP	%MX1739	%MX1740	%MX1741	%MX1742	%MX1743	%MX1744	%MX1745	%MX1746	%MX1747	%MX1748	%MX1749	%MX1750	%MX1751	%MX1752	%MX1753	%RW1821	%RW1822	%RW1823	%RW1824	%RW1825	%RW1826	%RW1827
19	FE2	FIRE HYDRANT PUMP-2 START/STOP	%MX1753	%MX1754	%MX1755	%MX1756	%MX1757	%MX1758	%MX1759	%MX1760	%MX1761	%MX1762	%MX1763	%MX1764	%MX1765	%MX1766	%MX1767	%RW1828	%RW1829	%RW1830	%RW1831	%RW1832	%RW1833	%RW1834
20	FE3	FIRE HYDRANT PUMP-3 START/STOP	%MX1767	%MX1768	%MX1769	%MX1770	%MX1771	%MX1772	%MX1773	%MX1774	%MX1775	%MX1776	%MX1777	%MX1778	%MX1779	%MX1780	%MX1781	%RW1835	%RW1836	%RW1837	%RW1838	%RW1839	%RW1840	%RW1841
21	FE4	FIRE HYDRANT PUMP-4 START/STOP	%MX1781	%MX1782	%MX1783	%MX1784	%MX1785	%MX1786	%MX1787	%MX1788	%MX1789	%MX1790	%MX1791	%MX1792	%MX1793	%MX1794	%MX1795	%RW1842	%RW1843	%RW1844	%RW1845	%RW1846	%RW1847	%RW1848
22	FE5	FIRE HYDRANT PUMP-5 START/STOP	%MX1795	%MX1796	%MX1797	%MX1798	%MX1799	%MX1800	%MX1801	%MX1802	%MX1803	%MX1804	%MX1805	%MX1806	%MX1807	%MX1808	%MX1809	%RW1849	%RW1850	%RW1851	%RW1852	%RW1853	%RW1854	%RW1855
23	PF301	TRANSFER PUMP PF301 START/STOP	%MX1809	%MX1810	%MX1811	%MX1812	%MX1813	%MX1814	%MX1815	%MX1816	%MX1817	%MX1818	%MX1819	%MX1820	%MX1821	%MX1822	%MX1823	%RW1856	%RW1857	%RW1858	%RW1859	%RW1860	%RW1861	%RW1862
24	PF302	TRANSFER PUMP PF302 START/STOP	%MX1823	%MX1824	%MX1825	%MX1826	%MX1827	%MX1828	%MX1829	%MX1830	%MX1831	%MX1832	%MX1833	%MX1834	%MX1835	%MX1836	%MX1837	%RW1863	%RW1864	%RW1865	%RW1866	%RW1867	%RW1868	%RW1869
25	PF303	TRANSFER PUMP PF303 START/STOP	%MX1837	%MX1838	%MX1839	%MX1840	%MX1841	%MX1842	%MX1843	%MX1844	%MX1845	%MX1846	%MX1847	%MX1848	%MX1849	%MX1850	%MX1851	%RW1870	%RW1871	%RW1872	%RW1873	%RW1874	%RW1875	%RW1876
26	PF304	TRANSFER PUMP PF304 START/STOP	%MX1851	%MX1852	%MX1853	%MX1854	%MX1855	%MX1856	%MX1857	%MX1858	%MX1859	%MX1860	%MX1861	%MX1862	%MX1863	%MX1864	%MX1865	%RW1877	%RW1878	%RW1879	%RW1880	%RW1881	%RW1882	%RW1883
27	PF305	TRANSFER PUMP PF305 START/STOP	%MX1865	%MX1866	%MX1867	%MX1868	%MX1869	%MX1870	%MX1871	%MX1872	%MX1873	%MX1874	%MX1875	%MX1876	%MX1877	%MX1878	%MX1879	%RW1884	%RW1885	%RW1886	%RW1887	%RW1888	%RW1889	%RW1890
28	PF306	TRANSFER PUMP PF306 START/STOP	%MX1879	%MX1880	%MX1881	%MX1882	%MX1883	%MX1884	%MX1885	%MX1886	%MX1887	%MX1888	%MX1889	%MX1890	%MX1891	%MX1892	%MX1893	%RW1891	%RW1892	%RW1893	%RW1894	%RW1895	%RW1896	%RW1897
29	PF307	TRANSFER PUMP PF307 START/STOP	%MX1893	%MX1894	%MX1895	%MX1896	%MX1897	%MX1898	%MX1899	%MX1900	%MX1901	%MX1902	%MX1903	%MX1904	%MX1905	%MX1906	%MX1907	%RW1898	%RW1899	%RW1900	%RW1901	%RW1902	%RW1903	%RW1904
30	PF308	TRANSFER PUMP PF308 START/STOP	%MX1907	%MX1908	%MX1909	%MX1910	%MX1911	%MX1912	%MX1913	%MX1914	%MX1915	%MX1916	%MX1917	%MX1918	%MX1919	%MX1920	%MX1921	%RW1905	%RW1906	%RW1907	%RW1908	%RW1909	%RW1910	%RW1911
31	PF309	TRANSFER PUMP PF309 START/STOP	%MX1921	%MX1922	%MX1923	%MX1924	%MX1925	%MX1926	%MX1927	%MX1928	%MX1929	%MX1930	%MX1931	%MX1932	%MX1933	%MX1934	%MX1935	%RW1912	%RW1913	%RW1914	%RW1915	%RW1916	%RW1917	%RW1918
32	PF310	TRANSFER PUMP PF310 START/STOP	%MX1935	%MX1936	%MX1937	%MX1938	%MX1939	%MX1940	%MX1941	%MX1942	%MX1943	%MX1944	%MX1945	%MX1946	%MX1947	%MX1948	%MX1949	%RW1919	%RW1920	%RW1921	%RW1922	%RW1923	%RW1924	%RW1925

VAR	PF300A_STATUS	INT	%RW1702		1	1	0	0	PRODUCT JOCKEY PUMP-1 STATUS														
VAR	PF300A_RUNSEC	INT	%RW1703		1	1	0	0	PRODUCT JOCKEY PUMP-1 RUNNING IN SECONDS														
VAR	PF300A_RUNMIN	INT	%RW1704		1	1	0	0	PRODUCT JOCKEY PUMP-1 RUNNING IN MINUTES														
VAR	PF300A_RUNHRS	INT	%RW1705		1	1	0	0	PRODUCT JOCKEY PUMP-1 RUN HOURS														
VAR	PF300A_PRI_REG	INT	%RW1706		1	1	0	0	PRODUCT JOCKEY PUMP-1 PRIORITY														
VAR_EXTERNAL	PF300A_AM	BOOL	%MX1501		0	1	0	0	PRODUCT JOCKEY PUMP-1 AM SELECTION														
VAR	PF300A_START_HMI	BOOL	%MX1502		0	1	0	0	PRODUCT JOCKEY PUMP-1 START FROM SCADA														
VAR	PF300A_STOP_HMI	BOOL	%MX1503		0	1	0	0	PRODUCT JOCKEY PUMP-1 STOP FROM SCADA														
VAR_EXTERNAL	PF300A_STPM	BOOL	%MX1504		0	1	0	0	PRODUCT JOCKEY PUMP-1 START PERMISSIVES														
VAR_EXTERNAL	PF300A_ASTR	BOOL	%MX1505		0	1	0	0	PRODUCT JOCKEY PUMP-1 AUTO START														
VAR	PF300A_FAIL_RESET	BOOL	%MX1506		0	1	0	0	PRODUCT JOCKEY PUMP-1 FAIL RESET														
VAR_EXTERNAL	PF300A_MAINT	BOOL	%MX1507		0	1	0	0	PRODUCT JOCKEY PUMP-1 IN MAINTENANCE														
VAR	PF300A_RUNHRS_RESE	BOOL	%MX1508		0	1	0	0	PRODUCT JOCKEY PUMP-1 RUN HOURS RESET														
VAR_EXTERNAL	PF300A_RUNFAIL	BOOL			0	1	0	0	PRODUCT JOCKEY PUMP-1 RUN FAIL														
VAR	PF300B_STATUS	INT	%RW1709		1	1	0	0	PRODUCT JOCKEY PUMP-2 STATUS														
VAR	PF300B_RUNSEC	INT	%RW1710		1	1	0	0	PRODUCT JOCKEY PUMP-2 RUNNING IN SECONDS														
VAR	PF300B_RUNMIN	INT	%RW1711		1	1	0	0	PRODUCT JOCKEY PUMP-2 RUNNING IN MINUTES														
VAR	PF300B_RUNHRS	INT	%RW1712		1	1	0	0	PRODUCT JOCKEY PUMP-2 RUN HOURS														
VAR	PF300B_PRI_REG	INT	%RW1713		1	1	0	0	PRODUCT JOCKEY PUMP-2 PRIORITY														
VAR_EXTERNAL	PF300B_AM	BOOL	%MX1515		0	1	0	0	PRODUCT JOCKEY PUMP-2 AM SELECTION														
VAR	PF300B_START_HMI	BOOL	%MX1516		0	1	0	0	PRODUCT JOCKEY PUMP-2 START FROM SCADA														
VAR	PF300B_STOP_HMI	BOOL	%MX1517		0	1	0	0	PRODUCT JOCKEY PUMP-2 STOP FROM SCADA														
VAR_EXTERNAL	PF300B_STPM	BOOL	%MX1518		0	1	0	0	PRODUCT JOCKEY PUMP-2 START PERMISSIVES														
VAR_EXTERNAL	PF300B_ASTR	BOOL	%MX1519		0	1	0	0	PRODUCT JOCKEY PUMP-2 AUTO START														
VAR	PF300B_FAIL_RESET	BOOL	%MX1520		0	1	0	0	PRODUCT JOCKEY PUMP-2 FAIL RESET														
VAR_EXTERNAL	PF300B_MAINT	BOOL	%MX1521		0	1	0	0	PRODUCT JOCKEY PUMP-2 IN MAINTENANCE														
VAR	PF300B_RUNHRS_RESE	BOOL	%MX1522		0	1	0	0	PRODUCT JOCKEY PUMP-2 RUN HOURS RESET														
VAR_EXTERNAL	PF300B_RUNFAIL	BOOL			0	1	0	0	PRODUCT JOCKEY PUMP-2 RUN FAIL														
VAR	TT1P_STATUS	INT	%RW1716		1	1	0	0	TT DECONTANTING PUMP-1 STATUS														
VAR	TT1P_RUNSEC	INT	%RW1717		1	1	0	0	TT DECONTANTING PUMP-1 RUNNING IN SECONDS														
VAR	TT1P_RUNMIN	INT	%RW1718		1	1	0	0	TT DECONTANTING PUMP-1 RUNNING IN MINUTES														
VAR	TT1P_RUNHRS	INT	%RW1719		1	1	0	0	TT DECONTANTING PUMP-1 RUN HOURS														
VAR_EXTERNAL	TT1P_AM	BOOL	%MX1529		0	1	0	0	TT DECONTANTING PUMP-1 AM SELECTION														
VAR	TT1P_START_HMI	BOOL	%MX1530		0	1	0	0	TT DECONTANTING PUMP-1 START FROM SCADA														
VAR	TT1P_STOP_HMI	BOOL	%MX1531		0	1	0	0	TT DECONTANTING PUMP-1 STOP FROM SCADA														
VAR_EXTERNAL	TT1P_STPM	BOOL	%MX1532		0	1	0	0	TT DECONTANTING PUMP-1 START PERMISSIVES														
VAR_EXTERNAL	TT1P_ASTR	BOOL	%MX1533		0	1	0	0	TT DECONTANTING PUMP-1 AUTO START														
VAR	TT1P_FAIL_RESET	BOOL	%MX1534		0	1	0	0	TT DECONTANTING PUMP-1 FAIL RESET														
VAR_EXTERNAL	TT1P_MAINT	BOOL	%MX1535		0	1	0	0	TT DECONTANTING PUMP-1 IN MAINTENANCE														
VAR	TT1P_RUNHRS_RESET	BOOL	%MX1536		0	1	0	0	TT DECONTANTING PUMP-1 RUN HOURS RESET														
VAR_EXTERNAL	TT1P_RUNFAIL	BOOL			0	1	0	0	TT DECONTANTING PUMP-1 RUN FAIL														
VAR	TT2P_STATUS	INT	%RW1723		1	1	0	0	TT DECONTANTING PUMP-2 STATUS														
VAR	TT2P_RUNSEC	INT	%RW1724		1	1	0	0	TT DECONTANTING PUMP-2 RUNNING IN SECONDS														
VAR	TT2P_RUNMIN	INT	%RW1725		1	1	0	0	TT DECONTANTING PUMP-2 RUNNING IN MINUTES														
VAR	TT2P_RUNHRS	INT	%RW1726		1	1	0	0	TT DECONTANTING PUMP-2 RUN HOURS														
VAR_EXTERNAL	TT2P_AM	BOOL	%MX1543		0	1	0	0	TT DECONTANTING PUMP-2 AM SELECTION														
VAR	TT2P_START_HMI	BOOL	%MX1544		0	1	0	0	TT DECONTANTING PUMP-2 START FROM SCADA														
VAR	TT2P_STOP_HMI	BOOL	%MX1545		0	1	0	0	TT DECONTANTING PUMP-2 STOP FROM SCADA														
VAR_EXTERNAL	TT2P_STPM	BOOL	%MX1546		0	1	0	0	TT DECONTANTING PUMP-2 START PERMISSIVES														
VAR_EXTERNAL	TT2P_ASTR	BOOL	%MX1547		0	1	0	0	TT DECONTANTING PUMP-2 AUTO START														
VAR	TT2P_FAIL_RESET	BOOL	%MX1548		0	1	0	0	TT DECONTANTING PUMP-2 FAIL RESET														
VAR_EXTERNAL	TT2P_MAINT	BOOL	%MX1549		0	1	0	0	TT DECONTANTING PUMP-2 IN MAINTENANCE														



VAR	TTP2_RUNHRS_RESET	BOOL	%MX1550	0	1	0	0 TT DECANTING PUMP-2 RUN HOURS RESET
VAR_EXTERNAL	TTP2_RUNFAIL	BOOL		0	1	0	0 TT DECANTING PUMP-2 RUN FAIL
VAR	TTP3_STATUS	INT	%RW1730	1	1	0	0 TT DECANTING PUMP-3 STATUS
VAR	TTP3_RUNSEC	INT	%RW1731	1	1	0	0 TT DECANTING PUMP-3 RUNNING IN SECONDS
VAR	TTP3_RUNMIN	INT	%RW1732	1	1	0	0 TT DECANTING PUMP-3 RUNNING IN MINUTES
VAR	TTP3_RUNHRS	INT	%RW1733	1	1	0	0 TT DECANTING PUMP-3 RUN HOURS
VAR_EXTERNAL	TTP3_AM	BOOL	%MX1557	0	1	0	0 TT DECANTING PUMP-3 AM SELECTION
VAR	TTP3_START_HMI	BOOL	%MX1558	0	1	0	0 TT DECANTING PUMP-3 START FROM SCADA
VAR	TTP3_STOP_HMI	BOOL	%MX1559	0	1	0	0 TT DECANTING PUMP-3 STOP FROM SCADA
VAR_EXTERNAL	TTP3_STPM	BOOL	%MX1560	0	1	0	0 TT DECANTING PUMP-3 START PERMISSIVES
VAR_EXTERNAL	TTP3_ASTRT	BOOL	%MX1561	0	1	0	0 TT DECANTING PUMP-3 AUTO START
VAR	TTP3_FAIL_RESET	BOOL	%MX1562	0	1	0	0 TT DECANTING PUMP-3 FAIL RESET
VAR_EXTERNAL	TTP3_MAINT	BOOL	%MX1563	0	1	0	0 TT DECANTING PUMP-3 IN MAINTENANCE
VAR	TTP3_RUNHRS_RESET	BOOL	%MX1564	0	1	0	0 TT DECANTING PUMP-3 RUN HOURS RESET
VAR_EXTERNAL	TTP3_RUNFAIL	BOOL		0	1	0	0 TT DECANTING PUMP-3 RUN FAIL

VAR	HSDP1_STATUS	INT	%RW1758	1	1	0	0 DIESEL TANK PUMP-1 STATUS
VAR	HSDP1_RUNSEC	INT	%RW1759	1	1	0	0 DIESEL TANK PUMP-1 RUNNING IN SECONDS
VAR	HSDP1_RUNMIN	INT	%RW1760	1	1	0	0 DIESEL TANK PUMP-1 RUNNING IN MINUTES
VAR	HSDP1_RUNHRS	INT	%RW1761	1	1	0	0 DIESEL TANK PUMP-1 RUN HOURS
VAR_EXTERNAL	HSDP1_AM	BOOL	%MX1613	0	1	0	0 DIESEL TANK PUMP-1 AM SELECTION
VAR	HSDP1_START_HMI	BOOL	%MX1614	0	1	0	0 DIESEL TANK PUMP-1 START FROM SCADA
VAR	HSDP1_STOP_HMI	BOOL	%MX1615	0	1	0	0 DIESEL TANK PUMP-1 STOP FROM SCADA
VAR_EXTERNAL	HSDP1_STPM	BOOL	%MX1616	0	1	0	0 DIESEL TANK PUMP-1 START PERMISSIVES
VAR_EXTERNAL	HSDP1_ASTRT	BOOL	%MX1617	0	1	0	0 DIESEL TANK PUMP-1 AUTO START
VAR	HSDP1_FAIL_RESET	BOOL	%MX1618	0	1	0	0 DIESEL TANK PUMP-1 FAIL RESET
VAR_EXTERNAL	HSDP1_MAINT	BOOL	%MX1619	0	1	0	0 DIESEL TANK PUMP-1 IN MAINTENANCE
VAR	HSDP1_RUNHRS_RESET	BOOL	%MX1620	0	1	0	0 DIESEL TANK PUMP-1 RUN HOURS RESET
VAR_EXTERNAL	HSDP1_RUNFAIL	BOOL		0	1	0	0 DIESEL TANK PUMP-1 RUN FAIL

VAR	PF301_STATUS	INT	%RW1856	1	1	0	0 TRANSFER PUMP PF301 STATUS
VAR	PF301_RUNSEC	INT	%RW1857	1	1	0	0 TRANSFER PUMP PF301 RUNNING IN SECONDS
VAR	PF301_RUNMIN	INT	%RW1858	1	1	0	0 TRANSFER PUMP PF301 RUNNING IN MINUTES
VAR	PF301_RUNHRS	INT	%RW1859	1	1	0	0 TRANSFER PUMP PF301 RUN HOURS
VAR_EXTERNAL	PF301_AM	BOOL	%MX1809	0	1	0	0 TRANSFER PUMP PF301 AM SELECTION
VAR	PF301_START_HMI	BOOL	%MX1810	0	1	0	0 TRANSFER PUMP PF301 START FROM SCADA
VAR	PF301_STOP_HMI	BOOL	%MX1811	0	1	0	0 TRANSFER PUMP PF301 STOP FROM SCADA
VAR_EXTERNAL	PF301_STPM	BOOL	%MX1812	0	1	0	0 TRANSFER PUMP PF301 START PERMISSIVES
VAR_EXTERNAL	PF301_ASTRT	BOOL	%MX1813	0	1	0	0 TRANSFER PUMP PF301 AUTO START
VAR	PF301_FAIL_RESET	BOOL	%MX1814	0	1	0	0 TRANSFER PUMP PF301 FAIL RESET
VAR_EXTERNAL	PF301_MAINT	BOOL	%MX1815	0	1	0	0 TRANSFER PUMP PF301 IN MAINTENANCE
VAR	PF301_RUNHRS_RESET	BOOL	%MX1816	0	1	0	0 TRANSFER PUMP PF301 RUN HOURS RESET
VAR_EXTERNAL	PF301_RUNFAIL	BOOL		0	1	0	0 TRANSFER PUMP PF301 RUN FAIL

VAR	PF303_STATUS	INT	%RW1870	1	1	0	0 TRANSFER PUMP PF303 STATUS
VAR	PF303_RUNSEC	INT	%RW1871	1	1	0	0 TRANSFER PUMP PF303 RUNNING IN SECONDS
VAR	PF303_RUNMIN	INT	%RW1872	1	1	0	0 TRANSFER PUMP PF303 RUNNING IN MINUTES
VAR	PF303_RUNHRS	INT	%RW1873	1	1	0	0 TRANSFER PUMP PF303 RUN HOURS
VAR_EXTERNAL	PF303_AM	BOOL	%MX1837	0	1	0	0 TRANSFER PUMP PF303 AM SELECTION
VAR	PF303_START_HMI	BOOL	%MX1838	0	1	0	0 TRANSFER PUMP PF303 START FROM SCADA
VAR	PF303_STOP_HMI	BOOL	%MX1839	0	1	0	0 TRANSFER PUMP PF303 STOP FROM SCADA
VAR_EXTERNAL	PF303_STPM	BOOL	%MX1840	0	1	0	0 TRANSFER PUMP PF303 START PERMISSIVES
VAR_EXTERNAL	PF303_ASTRT	BOOL	%MX1841	0	1	0	0 TRANSFER PUMP PF303 AUTO START
VAR	PF303_FAIL_RESET	BOOL	%MX1842	0	1	0	0 TRANSFER PUMP PF303 FAIL RESET
VAR_EXTERNAL	PF303_MAINT	BOOL	%MX1843	0	1	0	0 TRANSFER PUMP PF303 IN MAINTENANCE
VAR	PF303_RUNHRS_RESET	BOOL	%MX1844	0	1	0	0 TRANSFER PUMP PF303 RUN HOURS RESET
VAR_EXTERNAL	PF303_RUNFAIL	BOOL		0	1	0	0 TRANSFER PUMP PF303 RUN FAIL

VAR	PF304_STATUS	INT	%RW1877	1	1	0	0 TRANSFER PUMP PF304 STATUS
VAR	PF304_RUNSEC	INT	%RW1878	1	1	0	0 TRANSFER PUMP PF304 RUNNING IN SECONDS
VAR	PF304_RUNMIN	INT	%RW1879	1	1	0	0 TRANSFER PUMP PF304 RUNNING IN MINUTES
VAR	PF304_RUNHRS	INT	%RW1880	1	1	0	0 TRANSFER PUMP PF304 RUN HOURS
VAR_EXTERNAL	PF304_AM	BOOL	%MX1851	0	1	0	0 TRANSFER PUMP PF304 AM SELECTION
VAR	PF304_START_HMI	BOOL	%MX1852	0	1	0	0 TRANSFER PUMP PF304 START FROM SCADA
VAR	PF304_STOP_HMI	BOOL	%MX1853	0	1	0	0 TRANSFER PUMP PF304 STOP FROM SCADA
VAR_EXTERNAL	PF304_STPM	BOOL	%MX1854	0	1	0	0 TRANSFER PUMP PF304 START PERMISSIVES
VAR_EXTERNAL	PF304_ASTRT	BOOL	%MX1855	0	1	0	0 TRANSFER PUMP PF304 AUTO START
VAR	PF304_FAIL_RESET	BOOL	%MX1856	0	1	0	0 TRANSFER PUMP PF304 FAIL RESET
VAR_EXTERNAL	PF304_MAINT	BOOL	%MX1857	0	1	0	0 TRANSFER PUMP PF304 IN MAINTENANCE
VAR	PF304_RUNHRS_RESET	BOOL	%MX1858	0	1	0	0 TRANSFER PUMP PF304 RUN HOURS RESET
VAR_EXTERNAL	PF304_RUNFAIL	BOOL		0	1	0	0 TRANSFER PUMP PF304 RUN FAIL

VAR	PF305_STATUS	INT	%RW1884	1	1	0	0 TRANSFER PUMP PF305 STATUS
VAR	PF305_RUNSEC	INT	%RW1885	1	1	0	0 TRANSFER PUMP PF305 RUNNING IN SECONDS
VAR	PF305_RUNMIN	INT	%RW1886	1	1	0	0 TRANSFER PUMP PF305 RUNNING IN MINUTES
VAR	PF305_RUNHRS	INT	%RW1887	1	1	0	0 TRANSFER PUMP PF305 RUN HOURS
VAR_EXTERNAL	PF305_AM	BOOL	%MX1865	0	1	0	0 TRANSFER PUMP PF305 AM SELECTION
VAR	PF305_START_HMI	BOOL	%MX1866	0	1	0	0 TRANSFER PUMP PF305 START FROM SCADA
VAR	PF305_STOP_HMI	BOOL	%MX1867	0	1	0	0 TRANSFER PUMP PF305 STOP FROM SCADA
VAR_EXTERNAL	PF305_STPM	BOOL	%MX1868	0	1	0	0 TRANSFER PUMP PF305 START PERMISSIVES

VAR_EXTERNAL	PF305_ASTRT	BOOL	%MX1869	0	1	0	0	TRANSFER PUMP PF305 AUTO START
VAR	PF305_FAIL_RESET	BOOL	%MX1870	0	1	0	0	TRANSFER PUMP PF305 FAIL RESET
VAR_EXTERNAL	PF305_MAINT	BOOL	%MX1871	0	1	0	0	TRANSFER PUMP PF305 IN MAINTENANCE
VAR	PF305_RUNHRS_RESET	BOOL	%MX1872	0	1	0	0	TRANSFER PUMP PF305 RUN HOURS RESET
VAR_EXTERNAL	PF305_RUNFAIL	BOOL		0	1	0	0	TRANSFER PUMP PF305 RUN FAIL
VAR	PF306_STATUS	INT	%RW1891	1	1	0	0	TRANSFER PUMP PF306 STATUS
VAR	PF306_RUNSEC	INT	%RW1892	1	1	0	0	TRANSFER PUMP PF306 RUNNING IN SECONDS
VAR	PF306_RUNMIN	INT	%RW1893	1	1	0	0	TRANSFER PUMP PF306 RUNNING IN MINUTES
VAR	PF306_RUNHRS	INT	%RW1894	1	1	0	0	TRANSFER PUMP PF306 RUN HOURS
VAR_EXTERNAL	PF306_AM	BOOL	%MX1879	0	1	0	0	TRANSFER PUMP PF306 AM SELECTION
VAR	PF306_START_HMI	BOOL	%MX1880	0	1	0	0	TRANSFER PUMP PF306 START FROM SCADA
VAR	PF306_STOP_HMI	BOOL	%MX1881	0	1	0	0	TRANSFER PUMP PF306 STOP FROM SCADA
VAR_EXTERNAL	PF306_STPM	BOOL	%MX1882	0	1	0	0	TRANSFER PUMP PF306 START PERMISSIVES
VAR_EXTERNAL	PF306_ASTRT	BOOL	%MX1883	0	1	0	0	TRANSFER PUMP PF306 AUTO START
VAR	PF306_FAIL_RESET	BOOL	%MX1884	0	1	0	0	TRANSFER PUMP PF306 FAIL RESET
VAR_EXTERNAL	PF306_MAINT	BOOL	%MX1885	0	1	0	0	TRANSFER PUMP PF306 IN MAINTENANCE
VAR	PF306_RUNHRS_RESET	BOOL	%MX1886	0	1	0	0	TRANSFER PUMP PF306 RUN HOURS RESET
VAR_EXTERNAL	PF306_RUNFAIL	BOOL		0	1	0	0	TRANSFER PUMP PF306 RUN FAIL
VAR	PF307_STATUS	INT	%RW1998	1	1	0	0	TRANSFER PUMP PF307 STATUS
VAR	PF307_RUNSEC	INT	%RW1999	1	1	0	0	TRANSFER PUMP PF307 RUNNING IN SECONDS
VAR	PF307_RUNMIN	INT	%RW1900	1	1	0	0	TRANSFER PUMP PF307 RUNNING IN MINUTES
VAR	PF307_RUNHRS	INT	%RW1901	1	1	0	0	TRANSFER PUMP PF307 RUN HOURS
VAR_EXTERNAL	PF307_AM	BOOL	%MX1893	0	1	0	0	TRANSFER PUMP PF307 AM SELECTION
VAR	PF307_START_HMI	BOOL	%MX1894	0	1	0	0	TRANSFER PUMP PF307 START FROM SCADA
VAR	PF307_STOP_HMI	BOOL	%MX1895	0	1	0	0	TRANSFER PUMP PF307 STOP FROM SCADA
VAR_EXTERNAL	PF307_STPM	BOOL	%MX1896	0	1	0	0	TRANSFER PUMP PF307 START PERMISSIVES
VAR_EXTERNAL	PF307_ASTRT	BOOL	%MX1897	0	1	0	0	TRANSFER PUMP PF307 AUTO START
VAR	PF307_FAIL_RESET	BOOL	%MX1898	0	1	0	0	TRANSFER PUMP PF307 FAIL RESET
VAR_EXTERNAL	PF307_MAINT	BOOL	%MX1899	0	1	0	0	TRANSFER PUMP PF307 IN MAINTENANCE
VAR	PF307_RUNHRS_RESET	BOOL	%MX1900	0	1	0	0	TRANSFER PUMP PF307 RUN HOURS RESET
VAR_EXTERNAL	PF307_RUNFAIL	BOOL		0	1	0	0	TRANSFER PUMP PF307 RUN FAIL
VAR	PF310_STATUS	INT	%RW1919	1	1	0	0	TRANSFER PUMP PF310 STATUS
VAR	PF310_RUNSEC	INT	%RW1920	1	1	0	0	TRANSFER PUMP PF310 RUNNING IN SECONDS
VAR	PF310_RUNMIN	INT	%RW1921	1	1	0	0	TRANSFER PUMP PF310 RUNNING IN MINUTES
VAR	PF310_RUNHRS	INT	%RW1922	1	1	0	0	TRANSFER PUMP PF310 RUN HOURS
VAR_EXTERNAL	PF310_AM	BOOL	%MX1935	0	1	0	0	TRANSFER PUMP PF310 AM SELECTION
VAR	PF310_START_HMI	BOOL	%MX1936	0	1	0	0	TRANSFER PUMP PF310 START FROM SCADA
VAR	PF310_STOP_HMI	BOOL	%MX1937	0	1	0	0	TRANSFER PUMP PF310 STOP FROM SCADA
VAR_EXTERNAL	PF310_STPM	BOOL	%MX1938	0	1	0	0	TRANSFER PUMP PF310 START PERMISSIVES
VAR_EXTERNAL	PF310_ASTRT	BOOL	%MX1939	0	1	0	0	TRANSFER PUMP PF310 AUTO START
VAR	PF310_FAIL_RESET	BOOL	%MX1940	0	1	0	0	TRANSFER PUMP PF310 FAIL RESET
VAR_EXTERNAL	PF310_MAINT	BOOL	%MX1941	0	1	0	0	TRANSFER PUMP PF310 IN MAINTENANCE
VAR	PF310_RUNHRS_RESET	BOOL	%MX1942	0	1	0	0	TRANSFER PUMP PF310 RUN HOURS RESET
VAR_EXTERNAL	PF310_RUNFAIL	BOOL		0	1	0	0	TRANSFER PUMP PF310 RUN FAIL
VAR	PF302_STATUS	INT	%RW1863	1	1	0	0	TRANSFER PUMP PF302 STATUS
VAR	PF302_RUNSEC	INT	%RW1864	1	1	0	0	TRANSFER PUMP PF302 RUNNING IN SECONDS
VAR	PF302_RUNMIN	INT	%RW1865	1	1	0	0	TRANSFER PUMP PF302 RUNNING IN MINUTES
VAR	PF302_RUNHRS	INT	%RW1866	1	1	0	0	TRANSFER PUMP PF302 RUN HOURS
VAR	PF302_PRI_REG	INT	%RW1867	1	1	0	0	TRANSFER PUMP PF302 PRIORITY
VAR_EXTERNAL	PF302_AM	BOOL	%MX1823	0	1	0	0	TRANSFER PUMP PF302 AM SELECTION
VAR	PF302_START_HMI	BOOL	%MX1824	0	1	0	0	TRANSFER PUMP PF302 START FROM SCADA
VAR	PF302_STOP_HMI	BOOL	%MX1825	0	1	0	0	TRANSFER PUMP PF302 STOP FROM SCADA
VAR_EXTERNAL	PF302_STPM	BOOL	%MX1826	0	1	0	0	TRANSFER PUMP PF302 START PERMISSIVES
VAR_EXTERNAL	PF302_ASTRT	BOOL	%MX1827	0	1	0	0	TRANSFER PUMP PF302 AUTO START
VAR	PF302_FAIL_RESET	BOOL	%MX1828	0	1	0	0	TRANSFER PUMP PF302 FAIL RESET
VAR_EXTERNAL	PF302_MAINT	BOOL	%MX1829	0	1	0	0	TRANSFER PUMP PF302 IN MAINTENANCE
VAR	PF302_RUNHRS_RESET	BOOL	%MX1830	0	1	0	0	TRANSFER PUMP PF302 RUN HOURS RESET
VAR_EXTERNAL	PF302_RUNFAIL	BOOL		0	1	0	0	TRANSFER PUMP PF302 RUN FAIL
VAR_EXTERNAL	PF302_PRIORITY1	BOOL		0	1	0	0	TRANSFER PUMP PF302 PRIORITY1
VAR_EXTERNAL	PF302_PRIORITY2	BOOL		0	1	0	0	TRANSFER PUMP PF302 PRIORITY2
VAR_EXTERNAL	PF302_PRIORITY3	BOOL		0	1	0	0	TRANSFER PUMP PF302 PRIORITY3
VAR	PF308_STATUS	INT	%RW1905	1	1	0	0	TRANSFER PUMP PF308 STATUS
VAR	PF308_RUNSEC	INT	%RW1906	1	1	0	0	TRANSFER PUMP PF308 RUNNING IN SECONDS
VAR	PF308_RUNMIN	INT	%RW1907	1	1	0	0	TRANSFER PUMP PF308 RUNNING IN MINUTES
VAR	PF308_RUNHRS	INT	%RW1908	1	1	0	0	TRANSFER PUMP PF308 RUN HOURS
VAR	PF308_PRI_REG	INT	%RW1909	1	1	0	0	TRANSFER PUMP PF308 PRIORITY
VAR_EXTERNAL	PF308_AM	BOOL	%MX1907	0	1	0	0	TRANSFER PUMP PF308 AM SELECTION
VAR	PF308_START_HMI	BOOL	%MX1908	0	1	0	0	TRANSFER PUMP PF308 START FROM SCADA
VAR	PF308_STOP_HMI	BOOL	%MX1909	0	1	0	0	TRANSFER PUMP PF308 STOP FROM SCADA
VAR_EXTERNAL	PF308_STPM	BOOL	%MX1910	0	1	0	0	TRANSFER PUMP PF308 START PERMISSIVES
VAR_EXTERNAL	PF308_ASTRT	BOOL	%MX1911	0	1	0	0	TRANSFER PUMP PF308 AUTO START
VAR	PF308_FAIL_RESET	BOOL	%MX1912	0	1	0	0	TRANSFER PUMP PF308 FAIL RESET
VAR_EXTERNAL	PF308_MAINT	BOOL	%MX1913	0	1	0	0	TRANSFER PUMP PF308 IN MAINTENANCE
VAR	PF308_RUNHRS_RESET	BOOL	%MX1914	0	1	0	0	TRANSFER PUMP PF308 RUN HOURS RESET
VAR_EXTERNAL	PF308_RUNFAIL	BOOL		0	1	0	0	TRANSFER PUMP PF308 RUN FAIL
VAR_EXTERNAL	PF308_PRIORITY1	BOOL		0	1	0	0	TRANSFER PUMP PF308 PRIORITY1
VAR_EXTERNAL	PF308_PRIORITY2	BOOL		0	1	0	0	TRANSFER PUMP PF308 PRIORITY2
VAR_EXTERNAL	PF308_PRIORITY3	BOOL		0	1	0	0	TRANSFER PUMP PF308 PRIORITY3

VAR	PF309_STATUS	INT	%RW1912	1	1	0	0	TRANSFER PUMP PF309 STATUS
VAR	PF309_RUNSEC	INT	%RW1913	1	1	0	0	TRANSFER PUMP PF309 RUNNING IN SECONDS
VAR	PF309_RUNMIN	INT	%RW1914	1	1	0	0	TRANSFER PUMP PF309 RUNNING IN MINUTES
VAR	PF309_RUNHRS	INT	%RW1915	1	1	0	0	TRANSFER PUMP PF309 RUN HOURS
VAR	PF309_PRI_REG	INT	%RW1916	1	1	0	0	TRANSFER PUMP PF309 PRIORITY
VAR_EXTERNAL	PF309_AM	BOOL	%MX1921	0	1	0	0	TRANSFER PUMP PF309 AM SELECTION
VAR	PF309_START_HMI	BOOL	%MX1922	0	1	0	0	TRANSFER PUMP PF309 START FROM SCADA
VAR	PF309_STOP_HMI	BOOL	%MX1923	0	1	0	0	TRANSFER PUMP PF309 STOP FROM SCADA
VAR_EXTERNAL	PF309_STPM	BOOL	%MX1924	0	1	0	0	TRANSFER PUMP PF309 START PERMISSIVES
VAR_EXTERNAL	PF309_ASTRT	BOOL	%MX1925	0	1	0	0	TRANSFER PUMP PF309 AUTO START
VAR	PF309_FAIL_RESET	BOOL	%MX1926	0	1	0	0	TRANSFER PUMP PF309 FAIL RESET
VAR_EXTERNAL	PF309_MAINT	BOOL	%MX1927	0	1	0	0	TRANSFER PUMP PF309 IN MAINTENANCE
VAR	PF309_RUNHRS_RESET	BOOL	%MX1928	0	1	0	0	TRANSFER PUMP PF309 RUN HOURS RESET
VAR_EXTERNAL	PF309_RUNFAIL	BOOL		0	1	0	0	TRANSFER PUMP PF309 RUN FAIL
VAR_EXTERNAL	PF309_PRIORITY1	BOOL		0	1	0	0	TRANSFER PUMP PF309 PRIORITY1
VAR_EXTERNAL	PF309_PRIORITY2	BOOL		0	1	0	0	TRANSFER PUMP PF309 PRIORITY2
VAR_EXTERNAL	PF309_PRIORITY3	BOOL		0	1	0	0	TRANSFER PUMP PF309 PRIORITY3

TANK201_DISPATCH_MODE	%MX7500	VAR_EXTERNAL	TANK201_DISPATCH_MODE	BOOL	%MX7500	0	1	0	0 ATF TANK-1 DISPATCH PERMISSIVES BIT
TANK201_RECEIPT_MODE	%MX7501	VAR_EXTERNAL	TANK201_RECEIPT_MODE	BOOL	%MX7501	0	1	0	0 ATF TANK-1 RECEIPT PERMISSIVES BIT
TANK202_DISPATCH_MODE	%MX7502	VAR_EXTERNAL	TANK202_DISPATCH_MODE	BOOL	%MX7502	0	1	0	0 ATF TANK-2 DISPATCH PERMISSIVES BIT
TANK202_RECEIPT_MODE	%MX7503	VAR_EXTERNAL	TANK202_RECEIPT_MODE	BOOL	%MX7503	0	1	0	0 ATF TANK-2 RECEIPT PERMISSIVES BIT
TANK203_DISPATCH_MODE	%MX7504	VAR_EXTERNAL	TANK203_DISPATCH_MODE	BOOL	%MX7504	0	1	0	0 ATF TANK-3 DISPATCH PERMISSIVES BIT
TANK203_RECEIPT_MODE	%MX7505	VAR_EXTERNAL	TANK203_RECEIPT_MODE	BOOL	%MX7505	0	1	0	0 ATF TANK-3 RECEIPT PERMISSIVES BIT
TANK204_DISPATCH_MODE	%MX7506	VAR_EXTERNAL	TANK204_DISPATCH_MODE	BOOL	%MX7506	0	1	0	0 ATF TANK-4 DISPATCH PERMISSIVES BIT
TANK204_RECEIPT_MODE	%MX7507	VAR_EXTERNAL	TANK204_RECEIPT_MODE	BOOL	%MX7507	0	1	0	0 ATF TANK-4 RECEIPT PERMISSIVES BIT
TANK205_DISPATCH_MODE	%MX7508	VAR_EXTERNAL	TANK205_DISPATCH_MODE	BOOL	%MX7508	0	1	0	0 ATF TANK-4 DISPATCH PERMISSIVES BIT
TANK205_RECEIPT_MODE	%MX7509	VAR_EXTERNAL	TANK205_RECEIPT_MODE	BOOL	%MX7509	0	1	0	0 ATF TANK-4 RECEIPT PERMISSIVES BIT
TANK206_DISPATCH_MODE	%MX7510	VAR_EXTERNAL	TANK206_DISPATCH_MODE	BOOL	%MX7510	0	1	0	0 ATF TANK-5 DISPATCH PERMISSIVES BIT
TANK206_RECEIPT_MODE	%MX7511	VAR_EXTERNAL	TANK206_RECEIPT_MODE	BOOL	%MX7511	0	1	0	0 ATF TANK-5 RECEIPT PERMISSIVES BIT
ROSOVVF201A_RL	%MX7512	VAR_EXTERNAL	ROSOVVF201A_RL	BOOL	%MX7512	0	1	0	0 OUTLET ROSOV REMOTE/LOCAL FOR TANK VF-201
ROSOVVF201B_RL	%MX7513	VAR_EXTERNAL	ROSOVVF201B_RL	BOOL	%MX7513	0	1	0	0 INLET ROSOV REMOTE/LOCAL FOR TANK VF-201
ROSOVVF202A_RL	%MX7514	VAR_EXTERNAL	ROSOVVF202A_RL	BOOL	%MX7514	0	1	0	0 OUTLET ROSOV REMOTE/LOCAL FOR TANK VF-202
ROSOVVF202B_RL	%MX7515	VAR_EXTERNAL	ROSOVVF202B_RL	BOOL	%MX7515	0	1	0	0 INLET ROSOV REMOTE/LOCAL FOR TANK VF-202
ROSOVVF203A_RL	%MX7516	VAR_EXTERNAL	ROSOVVF203A_RL	BOOL	%MX7516	0	1	0	0 OUTLET ROSOV REMOTE/LOCAL FOR TANK VF-203
ROSOVVF203B_RL	%MX7517	VAR_EXTERNAL	ROSOVVF203B_RL	BOOL	%MX7517	0	1	0	0 INLET ROSOV REMOTE/LOCAL FOR TANK VF-203
ROSOVVF204A_RL	%MX7518	VAR_EXTERNAL	ROSOVVF204A_RL	BOOL	%MX7518	0	1	0	0 OUTLET ROSOV REMOTE/LOCAL FOR TANK VF-204
ROSOVVF204B_RL	%MX7519	VAR_EXTERNAL	ROSOVVF204B_RL	BOOL	%MX7519	0	1	0	0 INLET ROSOV REMOTE/LOCAL FOR TANK VF-204
ROSOVVF204C_RL	%MX7520	VAR_EXTERNAL	ROSOVVF204C_RL	BOOL	%MX7520	0	1	0	0 INLET ROSOV REMOTE/LOCAL FOR TANK VF-204
ROSOVVF205A_RL	%MX7521	VAR_EXTERNAL	ROSOVVF205A_RL	BOOL	%MX7521	0	1	0	0 OUTLET ROSOV REMOTE/LOCAL FOR TANK VF-205
ROSOVVF205B_RL	%MX7522	VAR_EXTERNAL	ROSOVVF205B_RL	BOOL	%MX7522	0	1	0	0 INLET ROSOV REMOTE/LOCAL FOR TANK VF-205
ROSOVVF205C_RL	%MX7523	VAR_EXTERNAL	ROSOVVF205C_RL	BOOL	%MX7523	0	1	0	0 INLET ROSOV REMOTE/LOCAL FOR TANK VF-205
ROSOVVF206A_RL	%MX7524	VAR_EXTERNAL	ROSOVVF206A_RL	BOOL	%MX7524	0	1	0	0 OUTLET ROSOV REMOTE/LOCAL FOR TANK VF-206
ROSOVVF206B_RL	%MX7525	VAR_EXTERNAL	ROSOVVF206B_RL	BOOL	%MX7525	0	1	0	0 INLET ROSOV REMOTE/LOCAL FOR TANK VF-206
ROSOVVF206C_RL	%MX7526	VAR_EXTERNAL	ROSOVVF206C_RL	BOOL	%MX7526	0	1	0	0 INLET ROSOV REMOTE/LOCAL FOR TANK VF-206
MOV_VF201A_TRIP	%MX7527	VAR_EXTERNAL	MOV_VF201A_TRIP	BOOL	%MX7527	0	1	0	0 OUTLET MOV TRIP FOR TANK VF-201
MOV_VF201B_TRIP	%MX7528	VAR_EXTERNAL	MOV_VF201B_TRIP	BOOL	%MX7528	0	1	0	0 INLET MOV TRIP FOR TANK VF-201
MOV_VF202A_TRIP	%MX7529	VAR_EXTERNAL	MOV_VF202A_TRIP	BOOL	%MX7529	0	1	0	0 OUTLET MOV TRIP FOR TANK VF-202
MOV_VF202B_TRIP	%MX7530	VAR_EXTERNAL	MOV_VF202B_TRIP	BOOL	%MX7530	0	1	0	0 INLET MOV TRIP FOR TANK VF-202
MOV_VF203A_TRIP	%MX7531	VAR_EXTERNAL	MOV_VF203A_TRIP	BOOL	%MX7531	0	1	0	0 OUTLET MOV TRIP FOR TANK VF-203
MOV_VF203B_TRIP	%MX7532	VAR_EXTERNAL	MOV_VF203B_TRIP	BOOL	%MX7532	0	1	0	0 INLET MOV TRIP FOR TANK VF-203
MOV_VF204A_TRIP	%MX7533	VAR_EXTERNAL	MOV_VF204A_TRIP	BOOL	%MX7533	0	1	0	0 OUTLET MOV TRIP FOR TANK VF-204
MOV_VF204B_TRIP	%MX7534	VAR_EXTERNAL	MOV_VF204B_TRIP	BOOL	%MX7534	0	1	0	0 INLET MOV TRIP FOR TANK VF-204
MOV_VF205A_TRIP	%MX7535	VAR_EXTERNAL	MOV_VF205A_TRIP	BOOL	%MX7535	0	1	0	0 OUTLET MOV TRIP FOR TANK VF-205
MOV_VF205B_TRIP	%MX7536	VAR_EXTERNAL	MOV_VF205B_TRIP	BOOL	%MX7536	0	1	0	0 INLET MOV TRIP FOR TANK VF-205
MOV_VF205C_TRIP	%MX7537	VAR_EXTERNAL	MOV_VF205C_TRIP	BOOL	%MX7537	0	1	0	0 INLET MOV TRIP FOR TANK VF-205
MOV_VF206A_TRIP	%MX7538	VAR_EXTERNAL	MOV_VF206A_TRIP	BOOL	%MX7538	0	1	0	0 OUTLET MOV TRIP FOR TANK VF-206
MOV_VF206B_TRIP	%MX7539	VAR_EXTERNAL	MOV_VF206B_TRIP	BOOL	%MX7539	0	1	0	0 INLET MOV TRIP FOR TANK VF-206

ROSOVVF201AFBOPN	%MX6000	ROSOVVF201A_OPEN	VAR_EXTERNAL
ROSOVVF201AFBCLS	%MX6001	ROSOVVF201A_CLOSE	VAR_EXTERNAL
ROSOVVF201A_OPEN_CMD	%MX6002	ROSOVVF201A_OPEN_CMD	VAR_EXTERNAL
ROSOVVF201A_CLOSE_CMD	%MX6003	ROSOVVF201A_CLOSE_CMD	VAR_EXTERNAL
ROSOVVF201BFBOPN	%MX6004	ROSOVVF201B_OPEN	VAR_EXTERNAL
ROSOVVF201BFBCLS	%MX6005	ROSOVVF201B_CLOSE	VAR_EXTERNAL
ROSOVVF201B_OPEN_CMD	%MX6006	ROSOVVF201B_OPEN_CMD	VAR_EXTERNAL
ROSOVVF201B_CLOSE_CMD	%MX6007	ROSOVVF201B_CLOSE_CMD	VAR_EXTERNAL
ROSOVVF202AFBOPN	%MX6008	ROSOVVF202A_OPEN	S
ROSOVVF202AFBCLS	%MX6009	ROSOVVF202A_CLOSE	VAR_EXTERNAL
ROSOVVF202A_OPEN_CMD	%MX6010	ROSOVVF202A_OPEN_CMD	VAR_EXTERNAL
ROSOVVF202A_CLOSE_CMD	%MX6011	ROSOVVF202A_CLOSE_CMD	VAR_EXTERNAL
ROSOVVF202BFBOPN	%MX6012	ROSOVVF202B_OPEN	VAR_EXTERNAL
ROSOVVF202BFBCLS	%MX6013	ROSOVVF202B_CLOSE	VAR_EXTERNAL
ROSOVVF202B_OPEN_CMD	%MX6014	ROSOVVF202B_OPEN_CMD	VAR_EXTERNAL
ROSOVVF202B_CLOSE_CMD	%MX6015	ROSOVVF202B_CLOSE_CMD	VAR_EXTERNAL
ROSOVVF203AFBOPN	%MX6016	ROSOVVF203A_OPEN	VAR_EXTERNAL
ROSOVVF203AFBCLS	%MX6017	ROSOVVF203A_CLOSE	VAR_EXTERNAL
ROSOVVF203A_OPEN_CMD	%MX6018	ROSOVVF203A_OPEN_CMD	VAR_EXTERNAL
ROSOVVF203A_CLOSE_CMD	%MX6019	ROSOVVF203A_CLOSE_CMD	VAR_EXTERNAL
ROSOVVF203BFBOPN	%MX6020	ROSOVVF203B_OPEN	VAR_EXTERNAL
ROSOVVF203BFBCLS	%MX6021	ROSOVVF203B_CLOSE	VAR_EXTERNAL
ROSOVVF203B_OPEN_CMD	%MX6022	ROSOVVF203B_OPEN_CMD	VAR_EXTERNAL
ROSOVVF203B_CLOSE_CMD	%MX6023	ROSOVVF203B_CLOSE_CMD	VAR_EXTERNAL
ROSOVVF204AFBOPN	%MX6024	ROSOVVF204A_OPEN	VAR_EXTERNAL
ROSOVVF204AFBCLS	%MX6025	ROSOVVF204A_CLOSE	VAR_EXTERNAL
ROSOVVF204A_OPEN_CMD	%MX6026	ROSOVVF204A_OPEN_CMD	VAR_EXTERNAL
ROSOVVF204A_CLOSE_CMD	%MX6027	ROSOVVF204A_CLOSE_CMD	VAR_EXTERNAL
ROSOVVF204BFBOPN	%MX6028	ROSOVVF204B_OPEN	VAR_EXTERNAL
ROSOVVF204BFBCLS	%MX6029	ROSOVVF204B_CLOSE	VAR_EXTERNAL
ROSOVVF204B_OPEN_CMD	%MX6030	ROSOVVF204B_OPEN_CMD	VAR_EXTERNAL
ROSOVVF204B_CLOSE_CMD	%MX6031	ROSOVVF204B_CLOSE_CMD	VAR_EXTERNAL
ROSOVVF204CFBOPN	%MX6032	ROSOVVF204C_OPEN	VAR_EXTERNAL
ROSOVVF204CFBCLS	%MX6033	ROSOVVF204C_CLOSE	VAR_EXTERNAL
ROSOVVF204C_OPEN_CMD	%MX6034	ROSOVVF204C_OPEN_CMD	VAR_EXTERNAL
ROSOVVF204C_CLOSE_CMD	%MX6035	ROSOVVF204C_CLOSE_CMD	VAR_EXTERNAL
ROSOVVF205AFBOPN	%MX6036	ROSOVVF205A_OPEN	VAR_EXTERNAL
ROSOVVF205AFBCLS	%MX6037	ROSOVVF205A_CLOSE	VAR_EXTERNAL
ROSOVVF205A_OPEN_CMD	%MX6038	ROSOVVF205A_OPEN_CMD	VAR_EXTERNAL
ROSOVVF205A_CLOSE_CMD	%MX6039	ROSOVVF205A_CLOSE_CMD	VAR_EXTERNAL
ROSOVVF205BFBOPN	%MX6040	ROSOVVF205B_OPEN	VAR_EXTERNAL
ROSOVVF205BFBCLS	%MX6041	ROSOVVF205B_CLOSE	VAR_EXTERNAL
ROSOVVF205B_OPEN_CMD	%MX6042	ROSOVVF205B_OPEN_CMD	VAR_EXTERNAL
ROSOVVF205B_CLOSE_CMD	%MX6043	ROSOVVF205B_CLOSE_CMD	VAR_EXTERNAL
ROSOVVF205CFBOPN	%MX6044	ROSOVVF205C_OPEN	VAR_EXTERNAL
ROSOVVF205CFBCLS	%MX6045	ROSOVVF205C_CLOSE	VAR_EXTERNAL
ROSOVVF205C_OPEN_CMD	%MX6046	ROSOVVF205C_OPEN_CMD	VAR_EXTERNAL
ROSOVVF205C_CLOSE_CMD	%MX6047	ROSOVVF205C_CLOSE_CMD	VAR_EXTERNAL
ROSOVVF206AFBOPN	%MX6048	ROSOVVF206A_OPEN	VAR_EXTERNAL
ROSOVVF206AFBCLS	%MX6049	ROSOVVF206A_CLOSE	VAR_EXTERNAL
ROSOVVF206A_OPEN_CMD	%MX6050	ROSOVVF206A_OPEN_CMD	VAR_EXTERNAL
ROSOVVF206A_CLOSE_CMD	%MX6051	ROSOVVF206A_CLOSE_CMD	VAR_EXTERNAL
ROSOVVF206BFBOPN	%MX6052	ROSOVVF206B_OPEN	VAR_EXTERNAL
ROSOVVF206BFBCLS	%MX6053	ROSOVVF206B_CLOSE	VAR_EXTERNAL
ROSOVVF206B_OPEN_CMD	%MX6054	ROSOVVF206B_OPEN_CMD	VAR_EXTERNAL
ROSOVVF206B_CLOSE_CMD	%MX6055	ROSOVVF206B_CLOSE_CMD	VAR_EXTERNAL
ROSOVVF206CFBOPN	%MX6056	ROSOVVF206C_OPEN	VAR_EXTERNAL
ROSOVVF206CFBCLS	%MX6057	ROSOVVF206C_CLOSE	VAR_EXTERNAL
ROSOVVF206C_OPEN_CMD	%MX6058	ROSOVVF206C_OPEN_CMD	VAR_EXTERNAL
ROSOVVF206C_CLOSE_CMD	%MX6059	ROSOVVF206C_CLOSE_CMD	VAR_EXTERNAL
LSVF201	%MX6060	LSVF_201	VAR_EXTERNAL
LSVF202	%MX6061	LSVF_202	VAR_EXTERNAL
LSVF203	%MX6062	LSVF_203	VAR_EXTERNAL
LSVF204	%MX6063	LSVF_204	VAR_EXTERNAL
LSVF205	%MX6064	LSVF_205	VAR_EXTERNAL
LSVF206	%MX6065	LSVF_206	VAR_EXTERNAL

ROSOVVF201AFBOPN	BOOL	%MX6000	0	1	0
ROSOVVF201AFBCLS	BOOL	%MX6001	0	1	0
ROSOVVF201A_OPEN_CMD	BOOL	%MX6002	0	1	0
ROSOVVF201A_CLOSE_CMD	BOOL	%MX6003	0	1	0
ROSOVVF201BFBOPN	BOOL	%MX6004	0	1	0
ROSOVVF201BFBCLS	BOOL	%MX6005	0	1	0
ROSOVVF201B_OPEN_CMD	BOOL	%MX6006	0	1	0
ROSOVVF201B_CLOSE_CMD	BOOL	%MX6007	0	1	0
ROSOVVF202AFBOPN	BOOL	%MX6008	0	1	0
ROSOVVF202AFBCLS	BOOL	%MX6009	0	1	0
ROSOVVF202A_OPEN_CMD	BOOL	%MX6010	0	1	0
ROSOVVF202A_CLOSE_CMD	BOOL	%MX6011	0	1	0
ROSOVVF202BFBOPN	BOOL	%MX6012	0	1	0
ROSOVVF202BFBCLS	BOOL	%MX6013	0	1	0
ROSOVVF202B_OPEN_CMD	BOOL	%MX6014	0	1	0
ROSOVVF202B_CLOSE_CMD	BOOL	%MX6015	0	1	0
ROSOVVF203AFBOPN	BOOL	%MX6016	0	1	0
ROSOVVF203AFBCLS	BOOL	%MX6017	0	1	0
ROSOVVF203A_OPEN_CMD	BOOL	%MX6018	0	1	0
ROSOVVF203A_CLOSE_CMD	BOOL	%MX6019	0	1	0
ROSOVVF203BFBOPN	BOOL	%MX6020	0	1	0
ROSOVVF203BFBCLS	BOOL	%MX6021	0	1	0
ROSOVVF203B_OPEN_CMD	BOOL	%MX6022	0	1	0
ROSOVVF203B_CLOSE_CMD	BOOL	%MX6023	0	1	0
ROSOVVF204AFBOPN	BOOL	%MX6024	0	1	0
ROSOVVF204AFBCLS	BOOL	%MX6025	0	1	0
ROSOVVF204A_OPEN_CMD	BOOL	%MX6026	0	1	0
ROSOVVF204A_CLOSE_CMD	BOOL	%MX6027	0	1	0
ROSOVVF204BFBOPN	BOOL	%MX6028	0	1	0
ROSOVVF204BFBCLS	BOOL	%MX6029	0	1	0
ROSOVVF204B_OPEN_CMD	BOOL	%MX6030	0	1	0
ROSOVVF204B_CLOSE_CMD	BOOL	%MX6031	0	1	0
ROSOVVF204CFBOPN	BOOL	%MX6032	0	1	0
ROSOVVF204CFBCLS	BOOL	%MX6033	0	1	0
ROSOVVF204C_OPEN_CMD	BOOL	%MX6034	0	1	0
ROSOVVF204C_CLOSE_CMD	BOOL	%MX6035	0	1	0
ROSOVVF205AFBOPN	BOOL	%MX6036	0	1	0
ROSOVVF205AFBCLS	BOOL	%MX6037	0	1	0
ROSOVVF205A_OPEN_CMD	BOOL	%MX6038	0	1	0
ROSOVVF205A_CLOSE_CMD	BOOL	%MX6039	0	1	0
ROSOVVF205BFBOPN	BOOL	%MX6040	0	1	0
ROSOVVF205BFBCLS	BOOL	%MX6041	0	1	0
ROSOVVF205B_OPEN_CMD	BOOL	%MX6042	0	1	0
ROSOVVF205B_CLOSE_CMD	BOOL	%MX6043	0	1	0
ROSOVVF205CFBOPN	BOOL	%MX6044	0	1	0
ROSOVVF205CFBCLS	BOOL	%MX6045	0	1	0
ROSOVVF205C_OPEN_CMD	BOOL	%MX6046	0	1	0
ROSOVVF205C_CLOSE_CMD	BOOL	%MX6047	0	1	0
ROSOVVF206AFBOPN	BOOL	%MX6048	0	1	0
ROSOVVF206AFBCLS	BOOL	%MX6049	0	1	0
ROSOVVF206A_OPEN_CMD	BOOL	%MX6050	0	1	0
ROSOVVF206A_CLOSE_CMD	BOOL	%MX6051	0	1	0
ROSOVVF206BFBOPN	BOOL	%MX6052	0	1	0
ROSOVVF206BFBCLS	BOOL	%MX6053	0	1	0
ROSOVVF206B_OPEN_CMD	BOOL	%MX6054	0	1	0
ROSOVVF206B_CLOSE_CMD	BOOL	%MX6055	0	1	0
ROSOVVF206CFBOPN	BOOL	%MX6056	0	1	0
ROSOVVF206CFBCLS	BOOL	%MX6057	0	1	0
ROSOVVF206C_OPEN_CMD	BOOL	%MX6058	0	1	0
ROSOVVF206C_CLOSE_CMD	BOOL	%MX6059	0	1	0
LSVF201	BOOL	%MX6060	0	1	0
LSVF202	BOOL	%MX6061	0	1	0
LSVF203	BOOL	%MX6062	0	1	0
LSVF204	BOOL	%MX6063	0	1	0
LSVF205	BOOL	%MX6064	0	1	0
LSVF206	BOOL	%MX6065	0	1	0

0	OUTLET ROSOV OPEN FB FOR TANK VF-201
0	OUTLET ROSOV CLOSE FB FOR TANK VF-201
0	OUTLET ROSOV OPEN COMMAND FOR TANK VF-201
0	OUTLET ROSOV CLOSE COMMAND FOR TANK VF-201
0	INLET ROSOV OPEN FB FOR TANK VF-201
0	INLET ROSOV CLOSE FB FOR TANK VF-201
0	INLET ROSOV OPEN COMMAND FOR TANK VF-201
0	INLET ROSOV CLOSE COMMAND FOR TANK VF-201
0	OUTLET ROSOV OPEN FB FOR TANK VF-202
0	OUTLET ROSOV CLOSE FB FOR TANK VF-202
0	OUTLET ROSOV OPEN COMMAND FOR TANK VF-202
0	OUTLET ROSOV CLOSE COMMAND FOR TANK VF-202
0	INLET ROSOV OPEN FB FOR TANK VF-202
0	INLET ROSOV CLOSE FB FOR TANK VF-202
0	INLET ROSOV OPEN COMMAND FOR TANK VF-202
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0	OUTLET ROSOV OPEN FB FOR TANK VF-203
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0	OUTLET ROSOV OPEN FB FOR TANK VF-204
0	OUTLET ROSOV CLOSE FB FOR TANK VF-204
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0	OUTLET ROSOV OPEN FB FOR TANK VF-205
0	OUTLET ROSOV CLOSE FB FOR TANK VF-205
0	OUTLET ROSOV OPEN COMMAND FOR TANK VF-205
0	OUTLET ROSOV CLOSE COMMAND FOR TANK VF-205
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0	INLET ROSOV CLOSE FB FOR TANK VF-205
0	INLET ROSOV OPEN COMMAND FOR TANK VF-205
0	INLET ROSOV CLOSE COMMAND FOR TANK VF-205
0	OUTLET ROSOV OPEN FB FOR TANK VF-206
0	OUTLET ROSOV CLOSE FB FOR TANK VF-206
0	OUTLET ROSOV OPEN COMMAND FOR TANK VF-206
0	OUTLET ROSOV CLOSE COMMAND FOR TANK VF-206
0	INLET ROSOV OPEN FB FOR TANK VF-206
0	INLET ROSOV CLOSE FB FOR TANK VF-206
0	INLET ROSOV OPEN COMMAND FOR TANK VF-206
0	INLET ROSOV CLOSE COMMAND FOR TANK VF-206
0	LEVEL SWITCH for tank VF-201
0	LEVEL SWITCH for tank VF-202
0	LEVEL SWITCH for tank VF-203
0	LEVEL SWITCH for tank VF-204
0	LEVEL SWITCH for tank VF-205
0	LEVEL SWITCH for tank VF-206

LS701	%MX6066	LS701	VAR_EXTERNAL
CMN ESD	%MX6067	EMERGENCY_STOP	VAR_EXTERNAL
LTVF201HIHI	%MX6068	LTVF201HIHI	VAR_EXTERNAL
LTVF202HIHI	%MX6069	LTVF202HIHI	VAR_EXTERNAL
LTVF203HIHI	%MX6070	LTVF203HIHI	VAR_EXTERNAL
LTVF204HIHI	%MX6071	LTVF204HIHI	VAR_EXTERNAL
LTVF205HIHI	%MX6072	LTVF205HIHI	VAR_EXTERNAL
LTVF206HIHI	%MX6073	LTVF206HIHI	VAR_EXTERNAL
MOV-VF-201A_FB_OPN	%MX6074	MOV_VF201A_OPEN	VAR_EXTERNAL
MOV-VF-201A_FB_CLS	%MX6075	MOV_VF201A_CLOSE	VAR_EXTERNAL
MOV-VF-201B_FB_OPN	%MX6077	MOV_VF201B_OPEN	VAR_EXTERNAL
MOV-VF-201B_FB_CLS	%MX6078	MOV_VF201B_CLOSE	VAR_EXTERNAL
MOV-VF-202A_FB_OPN	%MX6079	MOV_VF202A_OPEN	VAR_EXTERNAL
MOV-VF-202A_FB_CLS	%MX6080	MOV_VF202A_CLOSE	VAR_EXTERNAL
MOV-VF-202B_FB_OPN	%MX6081	MOV_VF202B_OPEN	VAR_EXTERNAL
MOV-VF-202B_FB_CLS	%MX6082	MOV_VF202B_CLOSE	VAR_EXTERNAL
MOV-VF-203A_FB_OPN	%MX6083	MOV_VF203A_OPEN	VAR_EXTERNAL
MOV-VF-203A_FB_CLS	%MX6084	MOV_VF203A_CLOSE	VAR_EXTERNAL
MOV-VF-203B_FB_OPN	%MX6085	MOV_VF203B_OPEN	VAR_EXTERNAL
MOV-VF-203B_FB_CLS	%MX6086	MOV_VF203B_CLOSE	VAR_EXTERNAL
MOV-VF-204A_FB_OPN	%MX6087	MOV_VF204A_OPEN	VAR_EXTERNAL
MOV-VF-204A_FB_CLS	%MX6088	MOV_VF204A_CLOSE	VAR_EXTERNAL
MOV-VF-204B_FB_OPN	%MX6089	MOV_VF204B_OPEN	VAR_EXTERNAL
MOV-VF-204B_FB_CLS	%MX6090	MOV_VF204B_CLOSE	VAR_EXTERNAL
MOV-VF-205A_FB_OPN	%MX6091	MOV_VF205A_OPEN	VAR_EXTERNAL
MOV-VF-205A_FB_CLS	%MX6092	MOV_VF205A_CLOSE	VAR_EXTERNAL
MOV-VF-205B_FB_OPN	%MX6093	MOV_VF205B_OPEN	VAR_EXTERNAL
MOV-VF-205B_FB_CLS	%MX6094	MOV_VF205B_CLOSE	VAR_EXTERNAL
MOV-VF-205C_FB_OPN	%MX6095	MOV_VF205C_OPEN	VAR_EXTERNAL
MOV-VF-205C_FB_CLS	%MX6096	MOV_VF205C_CLOSE	VAR_EXTERNAL
MOV-VF-206A_FB_OPN	%MX6097	MOV_VF206A_OPEN	VAR_EXTERNAL
MOV-VF-206A_FB_CLS	%MX6098	MOV_VF206A_CLOSE	VAR_EXTERNAL
MOV-VF-206B_FB_OPN	%MX6099	MOV_VF206B_OPEN	VAR_EXTERNAL
MOV-VF-206B_FB_CLS	%MX6100	MOV_VF206B_CLOSE	VAR_EXTERNAL
MOV_VF_201A_AM	%MX6101	MOV_VF201A_AM	VAR_EXTERNAL
MOV_VF_201B_AM	%MX6102	MOV_VF201B_AM	VAR_EXTERNAL
MOV_VF_202A_AM	%MX6103	MOV_VF202A_AM	VAR_EXTERNAL
MOV_VF_202B_AM	%MX6104	MOV_VF202B_AM	VAR_EXTERNAL
MOV_VF_203A_AM	%MX6105	MOV_VF203A_AM	VAR_EXTERNAL
MOV_VF_203B_AM	%MX6106	MOV_VF203B_AM	VAR_EXTERNAL
MOV_VF_204A_AM	%MX6107	MOV_VF204A_AM	VAR_EXTERNAL
MOV_VF_204B_AM	%MX6108	MOV_VF204B_AM	VAR_EXTERNAL
MOV_VF_205A_AM	%MX6109	MOV_VF205A_AM	VAR_EXTERNAL
MOV_VF_205B_AM	%MX6110	MOV_VF205B_AM	VAR_EXTERNAL
MOV_VF_205C_AM	%MX6111	MOV_VF205C_AM	VAR_EXTERNAL
MOV_VF_206A_AM	%MX6112	MOV_VF206A_AM	VAR_EXTERNAL
MOV_VF_206B_AM	%MX6113	MOV_VF206B_AM	VAR_EXTERNAL

LS701	BOOL	%MX6066	0	1	0	0	STORM TANK LEVEL SWITCH
CMN ESD	BOOL	%MX6067	0	1	0	0	ESD from Safety PLC
LTVF201HIHI	BOOL	%MX6068	0	1	0	0	LEVEL HIGH HIGH for tank VF-201
LTVF202HIHI	BOOL	%MX6069	0	1	0	0	LEVEL HIGH HIGH for tank VF-202
LTVF203HIHI	BOOL	%MX6070	0	1	0	0	LEVEL HIGH HIGH for tank VF-203
LTVF204HIHI	BOOL	%MX6071	0	1	0	0	LEVEL HIGH HIGH for tank VF-204
LTVF205HIHI	BOOL	%MX6072	0	1	0	0	LEVEL HIGH HIGH for tank VF-205
LTVF206HIHI	BOOL	%MX6073	0	1	0	0	LEVEL HIGH HIGH for tank VF-206
MOV_VF_201A_FB_OPN	BOOL	%MX6074	0	1	0	0	OUTLET MOV OPEN FB FOR TANK VF-201
MOV_VF_201A_FB_CLS	BOOL	%MX6075	0	1	0	0	OUTLET MOV CLOSE FB FOR TANK VF-201
MOV_VF_201B_FB_OPN	BOOL	%MX6077	0	1	0	0	INLET MOV OPEN FB FOR TANK VF-201
MOV_VF_201B_FB_CLS	BOOL	%MX6078	0	1	0	0	INLET MOV CLOSE FB FOR TANK VF-201
MOV_VF_202A_FB_OPN	BOOL	%MX6079	0	1	0	0	OUTLET MOV OPEN FB FOR TANK VF-202
MOV_VF_202A_FB_CLS	BOOL	%MX6080	0	1	0	0	OUTLET MOV CLOSE FB FOR TANK VF-202
MOV_VF_202B_FB_OPN	BOOL	%MX6081	0	1	0	0	INLET MOV OPEN FB FOR TANK VF-202
MOV_VF_202B_FB_CLS	BOOL	%MX6082	0	1	0	0	INLET MOV CLOSE FB FOR TANK VF-202
MOV_VF_203A_FB_OPN	BOOL	%MX6083	0	1	0	0	OUTLET MOV OPEN FB FOR TANK VF-203
MOV_VF_203A_FB_CLS	BOOL	%MX6084	0	1	0	0	OUTLET MOV CLOSE FB FOR TANK VF-203
MOV_VF_203B_FB_OPN	BOOL	%MX6085	0	1	0	0	INLET MOV OPEN FB FOR TANK VF-203
MOV_VF_203B_FB_CLS	BOOL	%MX6086	0	1	0	0	INLET MOV CLOSE FB FOR TANK VF-203
MOV_VF_204A_FB_OPN	BOOL	%MX6087	0	1	0	0	OUTLET MOV OPEN FB FOR TANK VF-204
MOV_VF_204A_FB_CLS	BOOL	%MX6088	0	1	0	0	OUTLET MOV CLOSE FB FOR TANK VF-204
MOV_VF_204B_FB_OPN	BOOL	%MX6089	0	1	0	0	INLET MOV OPEN FB FOR TANK VF-204
MOV_VF_204B_FB_CLS	BOOL	%MX6090	0	1	0	0	INLET MOV CLOSE FB FOR TANK VF-204
MOV_VF_205A_FB_OPN	BOOL	%MX6091	0	1	0	0	OUTLET MOV OPEN FB FOR TANK VF-205
MOV_VF_205A_FB_CLS	BOOL	%MX6092	0	1	0	0	OUTLET MOV CLOSE FB FOR TANK VF-205
MOV_VF_205B_FB_OPN	BOOL	%MX6093	0	1	0	0	INLET MOV OPEN FB FOR TANK VF-205
MOV_VF_205B_FB_CLS	BOOL	%MX6094	0	1	0	0	INLET MOV CLOSE FB FOR TANK VF-205
MOV_VF_205C_FB_OPN	BOOL	%MX6095	0	1	0	0	INLET MOV OPEN FB FOR TANK VF-205
MOV_VF_205C_FB_CLS	BOOL	%MX6096	0	1	0	0	INLET MOV CLOSE FB FOR TANK VF-205
MOV_VF_206A_FB_OPN	BOOL	%MX6097	0	1	0	0	OUTLET MOV OPEN FB FOR TANK VF-206
MOV_VF_206A_FB_CLS	BOOL	%MX6098	0	1	0	0	OUTLET MOV CLOSE FB FOR TANK VF-206
MOV_VF_206B_FB_OPN	BOOL	%MX6099	0	1	0	0	INLET MOV OPEN FB FOR TANK VF-206
MOV_VF_206B_FB_CLS	BOOL	%MX6100	0	1	0	0	INLET MOV CLOSE FB FOR TANK VF-206
MOV_VF_201A_AM	BOOL	%MX6101	0	1	0	0	OUTLET MOV AM SELECTION FOR TANK VF-201
MOV_VF_201B_AM	BOOL	%MX6102	0	1	0	0	INLET MOV AM SELECTION FOR TANK VF-201
MOV_VF_202A_AM	BOOL	%MX6103	0	1	0	0	OUTLET MOV AM SELECTION FOR TANK VF-202
MOV_VF_202B_AM	BOOL	%MX6104	0	1	0	0	INLET MOV AM SELECTION FOR TANK VF-202
MOV_VF_203A_AM	BOOL	%MX6105	0	1	0	0	OUTLET MOV AM SELECTION FOR TANK VF-203
MOV_VF_203B_AM	BOOL	%MX6106	0	1	0	0	INLET MOV AM SELECTION FOR TANK VF-203
MOV_VF_204A_AM	BOOL	%MX6107	0	1	0	0	OUTLET MOV AM SELECTION FOR TANK VF-204
MOV_VF_204B_AM	BOOL	%MX6108	0	1	0	0	INLET MOV AM SELECTION FOR TANK VF-204
MOV_VF_205A_AM	BOOL	%MX6109	0	1	0	0	OUTLET MOV AM SELECTION FOR TANK VF-205
MOV_VF_205B_AM	BOOL	%MX6110	0	1	0	0	INLET MOV AM SELECTION FOR TANK VF-205
MOV_VF_205C_AM	BOOL	%MX6111	0	1	0	0	INLET MOV AM SELECTION FOR TANK VF-205
MOV_VF_206A_AM	BOOL	%MX6112	0	1	0	0	OUTLET MOV AM SELECTION FOR TANK VF-206
MOV_VF_206B_AM	BOOL	%MX6113	0	1	0	0	INLET MOV AM SELECTION FOR TANK VF-206

VAR_EXTERNAL	STANDBY_PLC_STOP	BOOL	%MX9500	0	1	0	0
VAR_EXTERNAL	RING_FAIL	BOOL	%MX9501	0	1	0	0
VAR_EXTERNAL	MASTER_ONE_POWER_FAIL	BOOL	%MX9502	0	1	0	0
VAR_EXTERNAL	STANDBY_ONE_POWER_FAIL	BOOL	%MX9503	0	1	0	0
VAR_EXTERNAL	SYNCH_ERROR	BOOL	%MX9504	0	1	0	0
VAR_EXTERNAL	PLC_MASTER_BATT	BOOL	%MX9505	0	1	0	0
VAR_EXTERNAL	PLC_STNDBY_BATT	BOOL	%MX9506	0	1	0	0
VAR_EXTERNAL	MAINS_POWER_FAIL	BOOL	%MX9507	0	1	0	0
VAR_EXTERNAL	POWERFAIL_EPKS	BOOL	%MX9508	0	1	0	0
VAR	ETHA_PLCA	BOOL	%MX9509	0	1	0	0
VAR	ETHA_PLCB	BOOL	%MX9510	0	1	0	0
VAR	ETHB_PLCA	BOOL	%MX9511	0	1	0	0
VAR	ETHB_PLCB	BOOL	%MX9512	0	1	0	0
VAR	CPUA_FROM_RRUN_STDBY	BOOL	%MX9513	0	1	0	0
VAR	CPUB_FROM_RRUN_STDBY	BOOL	%MX9514	0	1	0	0
VAR_EXTERNAL	PRI_AC23_FAIL_MASTER_PLC	BOOL	%MX9515	0	1	0	0
VAR_EXTERNAL	SEC_AC23_FAIL_MASTER_PLC	BOOL	%MX9516	0	1	0	0
VAR_EXTERNAL	PRI_AC23_FAIL_STANDBY_PLC	BOOL	%MX9517	0	1	0	0
VAR_EXTERNAL	SEC_AC23_FAIL_STANDBY_PLC	BOOL	%MX9518	0	1	0	0
VAR_EXTERNAL	PRI_AC23_FAIL_RACK01	BOOL	%MX9519	0	1	0	0
VAR_EXTERNAL	SEC_AC23_FAIL_RACK01	BOOL	%MX9520	0	1	0	0
VAR_EXTERNAL	PRI_AC23_FAIL_RACK02	BOOL	%MX9521	0	1	0	0
VAR_EXTERNAL	SEC_AC23_FAIL_RACK02	BOOL	%MX9522	0	1	0	0
VAR_EXTERNAL	PRI_AC23_FAIL_RACK03	BOOL	%MX9523	0	1	0	0
VAR_EXTERNAL	SEC_AC23_FAIL_RACK03	BOOL	%MX9524	0	1	0	0
VAR_EXTERNAL	PRI_AC23_FAIL_RACK04	BOOL	%MX9525	0	1	0	0
VAR_EXTERNAL	SEC_AC23_FAIL_RACK04	BOOL	%MX9526	0	1	0	0
VAR_EXTERNAL	PRI_AC23_FAIL_RACK05	BOOL	%MX9527	0	1	0	0
VAR_EXTERNAL	SEC_AC23_FAIL_RACK05	BOOL	%MX9528	0	1	0	0
VAR_EXTERNAL	PRI_AC23_FAIL_RACK06	BOOL	%MX9529	0	1	0	0
VAR_EXTERNAL	SEC_AC23_FAIL_RACK06	BOOL	%MX9530	0	1	0	0
VAR	BASE1_FAIL	BOOL	%MX9531	0	1	0	0
VAR	BASE2_FAIL	BOOL	%MX9532	0	1	0	0
VAR	BASE3_FAIL	BOOL	%MX9533	0	1	0	0
VAR	BASE4_FAIL	BOOL	%MX9534	0	1	0	0
VAR	BASE5_FAIL	BOOL	%MX9535	0	1	0	0
VAR	BASE6_FAIL	BOOL	%MX9536	0	1	0	0
VAR	BASE7_FAIL	BOOL	%MX9537	0	1	0	0
VAR	BASE8_FAIL	BOOL	%MX9538	0	1	0	0
VAR	BASE9_FAIL	BOOL	%MX9539	0	1	0	0
VAR	BASE10_FAIL	BOOL	%MX9540	0	1	0	0

VAR	BASE11_FAIL	BOOL	%MX9541	0	1	0	0
VAR	BASE12_FAIL	BOOL	%MX9542	0	1	0	0
VAR_EXTERNAL	BASE1_SLOT0	BOOL	%MX9543	0	1	0	0
VAR_EXTERNAL	BASE1_SLOT1	BOOL	%MX9544	0	1	0	0
VAR_EXTERNAL	BASE1_SLOT2	BOOL	%MX9545	0	1	0	0
VAR_EXTERNAL	BASE1_SLOT3	BOOL	%MX9546	0	1	0	0
VAR_EXTERNAL	BASE1_SLOT4	BOOL	%MX9547	0	1	0	0
VAR_EXTERNAL	BASE1_SLOT5	BOOL	%MX9548	0	1	0	0
VAR_EXTERNAL	BASE1_SLOT6	BOOL	%MX9549	0	1	0	0
VAR_EXTERNAL	BASE1_SLOT7	BOOL	%MX9550	0	1	0	0
VAR_EXTERNAL	BASE1_SLOT8	BOOL	%MX9551	0	1	0	0
VAR_EXTERNAL	BASE1_SLOT9	BOOL	%MX9552	0	1	0	0
VAR_EXTERNAL	BASE1_SLOT10	BOOL	%MX9553	0	1	0	0
VAR_EXTERNAL	BASE1_SLOT11	BOOL	%MX9554	0	1	0	0
VAR_EXTERNAL	BASE2_SLOT0	BOOL	%MX9555	0	1	0	0
VAR_EXTERNAL	BASE2_SLOT1	BOOL	%MX9556	0	1	0	0
VAR_EXTERNAL	BASE2_SLOT2	BOOL	%MX9557	0	1	0	0
VAR_EXTERNAL	BASE2_SLOT3	BOOL	%MX9558	0	1	0	0
VAR_EXTERNAL	BASE2_SLOT4	BOOL	%MX9559	0	1	0	0
VAR_EXTERNAL	BASE2_SLOT5	BOOL	%MX9560	0	1	0	0
VAR_EXTERNAL	BASE2_SLOT6	BOOL	%MX9561	0	1	0	0
VAR_EXTERNAL	BASE2_SLOT7	BOOL	%MX9562	0	1	0	0
VAR_EXTERNAL	BASE2_SLOT8	BOOL	%MX9563	0	1	0	0
VAR_EXTERNAL	BASE2_SLOT9	BOOL	%MX9564	0	1	0	0
VAR_EXTERNAL	BASE2_SLOT10	BOOL	%MX9565	0	1	0	0
VAR_EXTERNAL	BASE2_SLOT11	BOOL	%MX9566	0	1	0	0
VAR_EXTERNAL	BASE3_SLOT0	BOOL	%MX9567	0	1	0	0
VAR_EXTERNAL	BASE3_SLOT1	BOOL	%MX9568	0	1	0	0
VAR_EXTERNAL	BASE3_SLOT2	BOOL	%MX9569	0	1	0	0
VAR_EXTERNAL	BASE3_SLOT3	BOOL	%MX9570	0	1	0	0
VAR_EXTERNAL	BASE3_SLOT4	BOOL	%MX9571	0	1	0	0
VAR_EXTERNAL	BASE3_SLOT5	BOOL	%MX9572	0	1	0	0
VAR_EXTERNAL	BASE3_SLOT6	BOOL	%MX9573	0	1	0	0
VAR_EXTERNAL	BASE3_SLOT7	BOOL	%MX9574	0	1	0	0
VAR_EXTERNAL	BASE3_SLOT8	BOOL	%MX9575	0	1	0	0
VAR_EXTERNAL	BASE3_SLOT9	BOOL	%MX9576	0	1	0	0
VAR_EXTERNAL	BASE3_SLOT10	BOOL	%MX9577	0	1	0	0
VAR_EXTERNAL	BASE3_SLOT11	BOOL	%MX9578	0	1	0	0
VAR_EXTERNAL	BASE4_SLOT0	BOOL	%MX9579	0	1	0	0
VAR_EXTERNAL	BASE4_SLOT1	BOOL	%MX9580	0	1	0	0
VAR_EXTERNAL	BASE4_SLOT2	BOOL	%MX9581	0	1	0	0



VAR_EXTERNAL	BASE4_SLOT3	BOOL	%MX9582	0	1	0	0
VAR_EXTERNAL	BASE4_SLOT4	BOOL	%MX9583	0	1	0	0
VAR_EXTERNAL	BASE4_SLOT5	BOOL	%MX9584	0	1	0	0
VAR_EXTERNAL	BASE4_SLOT6	BOOL	%MX9585	0	1	0	0
VAR_EXTERNAL	BASE4_SLOT7	BOOL	%MX9586	0	1	0	0
VAR_EXTERNAL	BASE4_SLOT8	BOOL	%MX9587	0	1	0	0
VAR_EXTERNAL	BASE4_SLOT9	BOOL	%MX9588	0	1	0	0
VAR_EXTERNAL	BASE4_SLOT10	BOOL	%MX9589	0	1	0	0
VAR_EXTERNAL	BASE4_SLOT11	BOOL	%MX9590	0	1	0	0
VAR_EXTERNAL	BASE5_SLOT0	BOOL	%MX9591	0	1	0	0
VAR_EXTERNAL	BASE5_SLOT1	BOOL	%MX9592	0	1	0	0
VAR_EXTERNAL	BASE5_SLOT2	BOOL	%MX9593	0	1	0	0
VAR_EXTERNAL	BASE5_SLOT3	BOOL	%MX9594	0	1	0	0
VAR_EXTERNAL	BASE5_SLOT4	BOOL	%MX9595	0	1	0	0
VAR_EXTERNAL	BASE5_SLOT5	BOOL	%MX9596	0	1	0	0
VAR_EXTERNAL	BASE5_SLOT6	BOOL	%MX9597	0	1	0	0
VAR_EXTERNAL	BASE5_SLOT7	BOOL	%MX9598	0	1	0	0
VAR_EXTERNAL	BASE5_SLOT8	BOOL	%MX9599	0	1	0	0
VAR_EXTERNAL	BASE5_SLOT9	BOOL	%MX9600	0	1	0	0
VAR_EXTERNAL	BASE5_SLOT10	BOOL	%MX9601	0	1	0	0
VAR_EXTERNAL	BASE5_SLOT11	BOOL	%MX9602	0	1	0	0
VAR_EXTERNAL	BASE6_SLOT0	BOOL	%MX9603	0	1	0	0
VAR_EXTERNAL	BASE6_SLOT1	BOOL	%MX9604	0	1	0	0
VAR_EXTERNAL	BASE6_SLOT2	BOOL	%MX9605	0	1	0	0
VAR_EXTERNAL	BASE6_SLOT3	BOOL	%MX9606	0	1	0	0
VAR_EXTERNAL	BASE6_SLOT4	BOOL	%MX9607	0	1	0	0
VAR_EXTERNAL	BASE6_SLOT5	BOOL	%MX9608	0	1	0	0
VAR_EXTERNAL	BASE6_SLOT6	BOOL	%MX9609	0	1	0	0
VAR_EXTERNAL	BASE6_SLOT7	BOOL	%MX9610	0	1	0	0
VAR_EXTERNAL	BASE6_SLOT8	BOOL	%MX9611	0	1	0	0
VAR_EXTERNAL	BASE6_SLOT9	BOOL	%MX9612	0	1	0	0
VAR_EXTERNAL	BASE6_SLOT10	BOOL	%MX9613	0	1	0	0
VAR_EXTERNAL	BASE6_SLOT11	BOOL	%MX9614	0	1	0	0
VAR_EXTERNAL	BASE7_SLOT0	BOOL	%MX9615	0	1	0	0
VAR_EXTERNAL	BASE7_SLOT1	BOOL	%MX9616	0	1	0	0
VAR_EXTERNAL	BASE7_SLOT2	BOOL	%MX9617	0	1	0	0
VAR_EXTERNAL	BASE7_SLOT3	BOOL	%MX9618	0	1	0	0
VAR_EXTERNAL	BASE7_SLOT4	BOOL	%MX9619	0	1	0	0
VAR_EXTERNAL	BASE7_SLOT5	BOOL	%MX9620	0	1	0	0
VAR_EXTERNAL	BASE7_SLOT6	BOOL	%MX9621	0	1	0	0
VAR_EXTERNAL	BASE7_SLOT7	BOOL	%MX9622	0	1	0	0

VAR_EXTERNAL	BASE7_SLOT8	BOOL	%MX9623	0	1	0	0
VAR_EXTERNAL	BASE7_SLOT9	BOOL	%MX9624	0	1	0	0
VAR_EXTERNAL	BASE7_SLOT10	BOOL	%MX9625	0	1	0	0
VAR_EXTERNAL	BASE7_SLOT11	BOOL	%MX9626	0	1	0	0
VAR_EXTERNAL	BASE8_SLOT0	BOOL	%MX9627	0	1	0	0
VAR_EXTERNAL	BASE8_SLOT1	BOOL	%MX9628	0	1	0	0
VAR_EXTERNAL	BASE8_SLOT2	BOOL	%MX9629	0	1	0	0
VAR_EXTERNAL	BASE8_SLOT3	BOOL	%MX9630	0	1	0	0
VAR_EXTERNAL	BASE8_SLOT4	BOOL	%MX9631	0	1	0	0
VAR_EXTERNAL	BASE8_SLOT5	BOOL	%MX9632	0	1	0	0
VAR_EXTERNAL	BASE8_SLOT6	BOOL	%MX9633	0	1	0	0
VAR_EXTERNAL	BASE8_SLOT7	BOOL	%MX9634	0	1	0	0
VAR_EXTERNAL	BASE8_SLOT8	BOOL	%MX9635	0	1	0	0
VAR_EXTERNAL	BASE8_SLOT9	BOOL	%MX9636	0	1	0	0
VAR_EXTERNAL	BASE8_SLOT10	BOOL	%MX9637	0	1	0	0
VAR_EXTERNAL	BASE8_SLOT11	BOOL	%MX9638	0	1	0	0
VAR_EXTERNAL	BASE9_SLOT0	BOOL	%MX9639	0	1	0	0
VAR_EXTERNAL	BASE9_SLOT1	BOOL	%MX9640	0	1	0	0
VAR_EXTERNAL	BASE9_SLOT2	BOOL	%MX9641	0	1	0	0
VAR_EXTERNAL	BASE9_SLOT3	BOOL	%MX9642	0	1	0	0
VAR_EXTERNAL	BASE9_SLOT4	BOOL	%MX9643	0	1	0	0
VAR_EXTERNAL	BASE9_SLOT5	BOOL	%MX9644	0	1	0	0
VAR_EXTERNAL	BASE9_SLOT6	BOOL	%MX9645	0	1	0	0
VAR_EXTERNAL	BASE9_SLOT7	BOOL	%MX9646	0	1	0	0
VAR_EXTERNAL	BASE9_SLOT8	BOOL	%MX9647	0	1	0	0
VAR_EXTERNAL	BASE9_SLOT9	BOOL	%MX9648	0	1	0	0
VAR_EXTERNAL	BASE9_SLOT10	BOOL	%MX9649	0	1	0	0
VAR_EXTERNAL	BASE9_SLOT11	BOOL	%MX9650	0	1	0	0
VAR_EXTERNAL	BASE10_SLOT0	BOOL	%MX9651	0	1	0	0
VAR_EXTERNAL	BASE10_SLOT1	BOOL	%MX9652	0	1	0	0
VAR_EXTERNAL	BASE10_SLOT2	BOOL	%MX9653	0	1	0	0
VAR_EXTERNAL	BASE10_SLOT3	BOOL	%MX9654	0	1	0	0
VAR_EXTERNAL	BASE10_SLOT4	BOOL	%MX9655	0	1	0	0
VAR_EXTERNAL	BASE10_SLOT5	BOOL	%MX9656	0	1	0	0
VAR_EXTERNAL	BASE10_SLOT6	BOOL	%MX9657	0	1	0	0
VAR_EXTERNAL	BASE10_SLOT7	BOOL	%MX9658	0	1	0	0
VAR_EXTERNAL	BASE10_SLOT8	BOOL	%MX9659	0	1	0	0
VAR_EXTERNAL	BASE10_SLOT9	BOOL	%MX9660	0	1	0	0
VAR_EXTERNAL	BASE10_SLOT10	BOOL	%MX9661	0	1	0	0
VAR_EXTERNAL	BASE10_SLOT11	BOOL	%MX9662	0	1	0	0
VAR_EXTERNAL	BASE11_SLOT0	BOOL	%MX9663	0	1	0	0

VAR_EXTERNAL	BASE11_SLOT1	BOOL	%MX9664	0	1	0	0
VAR_EXTERNAL	BASE11_SLOT2	BOOL	%MX9665	0	1	0	0
VAR_EXTERNAL	BASE11_SLOT3	BOOL	%MX9666	0	1	0	0
VAR_EXTERNAL	BASE11_SLOT4	BOOL	%MX9667	0	1	0	0
VAR_EXTERNAL	BASE11_SLOT5	BOOL	%MX9668	0	1	0	0
VAR_EXTERNAL	BASE11_SLOT6	BOOL	%MX9669	0	1	0	0
VAR_EXTERNAL	BASE11_SLOT7	BOOL	%MX9670	0	1	0	0
VAR_EXTERNAL	BASE11_SLOT8	BOOL	%MX9671	0	1	0	0
VAR_EXTERNAL	BASE11_SLOT9	BOOL	%MX9672	0	1	0	0
VAR_EXTERNAL	BASE11_SLOT10	BOOL	%MX9673	0	1	0	0
VAR_EXTERNAL	BASE11_SLOT11	BOOL	%MX9674	0	1	0	0
VAR_EXTERNAL	BASE12_SLOT0	BOOL	%MX9675	0	1	0	0
VAR_EXTERNAL	BASE12_SLOT1	BOOL	%MX9676	0	1	0	0
VAR_EXTERNAL	BASE12_SLOT2	BOOL	%MX9677	0	1	0	0
VAR_EXTERNAL	BASE12_SLOT3	BOOL	%MX9678	0	1	0	0
VAR_EXTERNAL	BASE12_SLOT4	BOOL	%MX9679	0	1	0	0
VAR_EXTERNAL	BASE12_SLOT5	BOOL	%MX9680	0	1	0	0
VAR_EXTERNAL	BASE12_SLOT6	BOOL	%MX9681	0	1	0	0
VAR_EXTERNAL	BASE12_SLOT7	BOOL	%MX9682	0	1	0	0
VAR_EXTERNAL	BASE12_SLOT8	BOOL	%MX9683	0	1	0	0
VAR_EXTERNAL	BASE12_SLOT9	BOOL	%MX9684	0	1	0	0
VAR_EXTERNAL	BASE12_SLOT10	BOOL	%MX9685	0	1	0	0
VAR_EXTERNAL	BASE12_SLOT11	BOOL	%MX9686	0	1	0	0
VAR	PLC_RING2_FAIL	BOOL	%MX9687	0	1	0	0
VAR_EXTERNAL	PRI_AC23_FAIL_RACK07	BOOL	%MX9688	0	1	0	0
VAR_EXTERNAL	SEC_AC23_FAIL_RACK07	BOOL	%MX9689	0	1	0	0
VAR_EXTERNAL	PRI_AC23_FAIL_RACK08	BOOL	%MX9690	0	1	0	0
VAR_EXTERNAL	SEC_AC23_FAIL_RACK08	BOOL	%MX9691	0	1	0	0
VAR_EXTERNAL	PRI_AC23_FAIL_RACK09	BOOL	%MX9692	0	1	0	0
VAR_EXTERNAL	SEC_AC23_FAIL_RACK09	BOOL	%MX9693	0	1	0	0
VAR_EXTERNAL	PRI_AC23_FAIL_RACK10	BOOL	%MX9694	0	1	0	0
VAR_EXTERNAL	SEC_AC23_FAIL_RACK10	BOOL	%MX9695	0	1	0	0
VAR_EXTERNAL	PRI_AC23_FAIL_RACK11	BOOL	%MX9696	0	1	0	0
VAR_EXTERNAL	SEC_AC23_FAIL_RACK11	BOOL	%MX9697	0	1	0	0
VAR_EXTERNAL	PRI_AC23_FAIL_RACK12	BOOL	%MX9698	0	1	0	0
VAR_EXTERNAL	SEC_AC23_FAIL_RACK12	BOOL	%MX9699	0	1	0	0
VAR_EXTERNAL	PLCA_FAIL	BOOL	%MX9700	0	1	0	0
VAR_EXTERNAL	PLCB_FAIL	BOOL	%MX9701	0	1	0	0
VAR	ETHERNET_A_PLCA	BOOL	%MX9702	0	1	0	0
VAR	ETHERNET_B_PLCA	BOOL	%MX9703	0	1	0	0

VAR	ETHERNET_A_PLCB	BOOL	%MX9704	0	1	0	0
VAR	ETHERNET_B_PLCB	BOOL	%MX9705	0	1	0	0
VAR_EXTERNAL	ETHA_SCANB	BOOL	%MX9706	0	1	0	0
VAR_EXTERNAL	ETHB_SCANB	BOOL	%MX9707	0	1	0	0
VAR_EXTERNAL	ETHA_SCANB	BOOL	%MX9708	0	1	0	0
VAR	ETHB_SCANB	BOOL	%MX9709	0	1	0	0
VAR_EXTERNAL	SCANB_FAIL	BOOL	%MX9710	0	1	0	0
VAR	SCANB_FAIL	BOOL	%MX9711	0	1	0	0
VAR_EXTERNAL	ETHA_SM	BOOL	%MX9712	0	1	0	0
VAR_EXTERNAL	SM_FAIL	BOOL	%MX9713	0	1	0	0
VAR	CPUB_STS	INT	%RW5001	1	1	0	0
VAR	CPUA_STS	INT	%RW5000	1	1	0	0