EGR-5000

Category	Modbus TCP Register	Description	Register Count	Type ID	Units	Writable	Possible Values
Identification	1032	Vendor Name	32	ASCII	no-units		
	1064	Model Name	32	ASCII	no-units		
	1096	Display Name	32	ASCII	no-units		
	1128	Device Type	32	ASCII	no-units		
	1605	Field Replaceable Unit	1	UINT16	no-units		
PROT	30009	PROT Signal - Active	1	UINT16	no-units		Inactive(0);Active(1)
	30014	PROT Signal - General Pickup	1	UINT16	no-units		Inactive(0);Active(1)
	30018	PROT Signal - General Trip Ground Fault	1	UINT16	no-units		Inactive(0);Active(1)
	30019	PROT Signal - General Trip	1	UINT16	no-units		Inactive(0);Active(1)
		Phase Current Direction Failure Forward		UINT16	no-units		Inactive(0);Active(1)
		Phase Current Direction Failure Reverse		UINT16	no-units		Inactive(0);Active(1)
		Phase Current Direction Missing Reference Voltage		UINT16	no-units		Inactive(0);Active(1)
50P1	30025	50P1 Signal - Active	1	UINT16	no-units		Inactive(0);Active(1)
	30026	50P1 Signal - Trip Command blocked	1	UINT16	no-units		Inactive(0);Active(1)
	30032	50P1 Signal - Pickup	1	UINT16	no-units		Inactive(0);Active(1)
	30036	50P1 Signal - Trip	1	UINT16	no-units		Inactive(0);Active(1)
	30037	50P1 Signal - Trip Command	1	UINT16	no-units		Inactive(0);Active(1)
50P2	30038	50P2 Signal - Active	1	UINT16	no-units		Inactive(0);Active(1)
	30039	50P2 Signal - Trip Command blocked	1	UINT16	no-units		Inactive(0);Active(1)
	30045	50P2 Signal - Pickup	1	UINT16	no-units		Inactive(0);Active(1)
	30049	50P2 Signal - Trip	1	UINT16	no-units		Inactive(0);Active(1)
	30050	50P2 Signal - Trip Command	1	UINT16	no-units		Inactive(0);Active(1)

50P3	30051	50P3 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30052	50P3 Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	30058	50P3 Signal - Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	30062	50P3 Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30063	50P3 Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
51P1	30077	51P1 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30078	51P1 Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	30084	51P1 Signal - Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	30088	51P1 Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30089	51P1 Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
51P2	30090	51P2 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30091	51P2 Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	30097	51P2 Signal - Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	30101	51P2 Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30102	51P2 Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
51P3	30103	51P3 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30104	51P3 Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	30110	51P3 Signal - Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	30114	51P3 Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30115	51P3 Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
50X1	30129	50X1 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30130	50X1 Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	30133	50X1 Signal - Pickup Ix or Ir	1	UINT16	no-units	Inactive(0);Active(1)
	30134	50X1 Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30135	50X1 Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)

50X2		30136	50X2 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
		30137	50X2 Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
		30140	50X2 Signal - Pickup Ix or Ir	1	UINT16	no-units	Inactive(0);Active(1)
		30141	50X2 Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
		30142	50X2 Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
51X1		30143	51X1 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
		30144	51X1 Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
		30147	51X1 Signal - Pickup Ix or Ir	1	UINT16	no-units	Inactive(0);Active(1)
		30148	51X1 Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
		30149	51X1 Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
51X2		30150	51X2 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
		30151	51X2 Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
		30154	51X2 Signal - Pickup Ix or Ir	1	UINT16	no-units	Inactive(0);Active(1)
		30155	51X2 Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
		30156	51X2 Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
	49	30267	49 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
		30268	49 Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
		30270	49 Signal - Alarm	1	UINT16	no-units	Inactive(0);Active(1)
		30271	49 Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
		30272	49 Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
27M1		36200	27-M1 Active	1	UINT16	no-units	Inactive(0);Active(1)
		36201	27-M1 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
		36206	27-M1 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
		36210	27-M1 Trip	1	UINT16	no-units	Inactive(0);Active(1)
		36211	27-M1 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)

27M2	36300	27-M2 Active	1	UINT16	no-units	Inactive(0);Active(1)
	36301	27-M2 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	36306	27-M2 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	36310	27-M2 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	36311	27-M2 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
59M1	39100	59M1 Active	1	UINT16	no-units	Inactive(0);Active(1)
	39101	59M1 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	39106	59M1 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	39110	59M1 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	39111	59M1 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
59M2	39200	59M2 Active	1	UINT16	no-units	Inactive(0);Active(1)
	39201	59M2 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	39206	59M2 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	39210	59M2 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	39211	59M2 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
27A1	36000	27-A1 Active	1	UINT16	no-units	Inactive(0);Active(1)
	36001	27-A1 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	36003	27-A1 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	36004	27-A1 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	36005	27-A1 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
27A2	36100	27-A2 Active	1	UINT16	no-units	Inactive(0);Active(1)
	36101	27-A2 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	36103	27-A2 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	36104	27-A2 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	36105	27-A2 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
81-1	39500	81-1 Active	1	UINT16	no-units	Inactive(0);Active(1)
	39502	81-1 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	39508	81-1 Pickup Frequency collective signal	1	UINT16	no-units	Inactive(0);Active(1)

	39510	81-1 Trip Frequency collective signal	1	UINT16	no-units	Inactive(0);Active(1)
	39512	81-1 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
81-2	39600	81-2 Active	1	UINT16	no-units	Inactive(0);Active(1)
	39602	81-2 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	39608	81-2 Pickup Frequency collective signal	1	UINT16	no-units	Inactive(0);Active(1)
	39610	81-2 Trip Frequency collective signal	1	UINT16	no-units	Inactive(0);Active(1)
	39612	81-2 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
81-3	39700	81-3 Active	1	UINT16	no-units	Inactive(0);Active(1)
	39702	81-3 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	39708	81-3 Pickup Frequency collective signal	1	UINT16	no-units	Inactive(0);Active(1)
	39710	81-3 Trip Frequency collective signal	1	UINT16	no-units	Inactive(0);Active(1)
	39712	81-3 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
81-4	39800	81-4 Active	1	UINT16	no-units	Inactive(0);Active(1)
	39802	81-4 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	39808	81-4 Pickup Frequency (collective signal)	1	UINT16	no-units	Inactive(0);Active(1)
	39810	81-4 Trip Frequency collective signal	1	UINT16	no-units	Inactive(0);Active(1)
	39812	81-4 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
81-5	39900	81-5 Active	1	UINT16	no-units	Inactive(0);Active(1)
	39902	81-5 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	39908	81-5 Pickup Frequency collective signal	1	UINT16	no-units	Inactive(0);Active(1)
	39910	81-5 Trip Frequency collective signal	1	UINT16	no-units	Inactive(0);Active(1)
	39912	81-5 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)

81-6	40000	81-6 Active	1	UINT16	no-units	Inactive(0);Active(1)
	40002	81-6 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	40008	81-6 Pickup Frequency collective signal	1	UINT16	no-units	Inactive(0);Active(1)
	40010	81-6 Trip Frequency collective signal	1	UINT16	no-units	Inactive(0);Active(1)
	40012	81-6 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
EXP1 - External Protection		EXP1 Active		UINT16	no-units	Inactive(0);Active(1)
		EXP1 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1)
		EXP1 Alarm		UINT16	no-units	Inactive(0);Active(1)
		EXP1 Trip		UINT16	no-units	Inactive(0);Active(1)
		EXP1 Trip Command		UINT16	no-units	Inactive(0);Active(1)
EXP2 - External Protection		EXP2 Active		UINT16	no-units	Inactive(0);Active(1)
		EXP2 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1)
		EXP2 Alarm		UINT16	no-units	Inactive(0);Active(1)
		EXP2 Trip		UINT16	no-units	Inactive(0);Active(1)
		EXP2 Trip Command		UINT16	no-units	Inactive(0);Active(1)
EXP3 - External Protection		EXP3 Active		UINT16	no-units	Inactive(0);Active(1)
		EXP3 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1)
		EXP3 Alarm		UINT16	no-units	Inactive(0);Active(1)
		EXP3 Trip		UINT16	no-units	Inactive(0);Active(1)
		EXP3 Trip Command		UINT16	no-units	Inactive(0);Active(1)
EXP4 - External Protection		EXP4 Active		UINT16	no-units	Inactive(0);Active(1)
		EXP4 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1)
		EXP4 Alarm		UINT16	no-units	Inactive(0);Active(1)
		EXP4 Trip		UINT16	no-units	Inactive(0);Active(1)
		EXP4 Trip Command		UINT16	no-units	Inactive(0);Active(1)
Breaker Failure1	30158	BF Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)

	30162	BF Signal - Breaker Failure Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	30163	BF Signal - Breaker Failure Trip	1	UINT16	no-units	Inactive(0);Active(1)
		BF Signal - Breaker Failure Lockout		UINT16	no-units	Inactive(0);Active(1)
PROT	30023	Fault Number	1	UINT16	no-units	
PROT	30024	Grid Fault Number	1	UINT16	no-units	
AF/SS/SC	30227	Signal - Parameter Set 1	1	UINT16	no-units	Inactive(0);Active(1)
	30228	Signal - Parameter Set 2	1	UINT16	no-units	Inactive(0);Active(1)
	30229	Signal - Parameter Set 3	1	UINT16	no-units	Inactive(0);Active(1)
	30230	Signal - Parameter Set 4	1	UINT16	no-units	Inactive(0);Active(1)
	30238	Signal - At least 1 parameter has been changed	1	UINT16	no-units	Inactive(0);Active(1)
Energy Counter Overflow		Counter Overflow Wh Fwd		UINT16	no-units	Inactive(0);Active(1)
		Counter Overflow Wh Rev		UINT16	no-units	Inactive(0);Active(1)
		Counter Overflow VArh Lag		UINT16	no-units	Inactive(0);Active(1)
		Counter Overflow VArh Lead		UINT16	no-units	Inactive(0);Active(1)
		Counter Overflow Wh Net		UINT16	no-units	Inactive(0);Active(1)
		Counter Overflow VArh Net		UINT16	no-units	Inactive(0);Active(1)
		Counter Overflow VAh Net		UINT16	no-units	Inactive(0);Active(1)
		Warning Counter Overflow Wh Fwd		UINT16	no-units	Inactive(0);Active(1)
		Warning Counter Overflow Wh Rev		UINT16	no-units	Inactive(0);Active(1)
		Warning Counter Overflow VArh Lag		UINT16	no-units	Inactive(0);Active(1)
		Warning Counter Overflow VArh Lead		UINT16	no-units	Inactive(0);Active(1)
		Warning Counter Overflow Wh Net		UINT16	no-units	Inactive(0);Active(1)

		Warning Counter Overflow VArh Net		UINT16	no-units	Inactive(0);Active(1)
		Warning Counter Overflow VAh Net		UINT16	no-units	Inactive(0);Active(1)
50R1	30239	50R1 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30240	50R1 Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	30243	50R1 Signal - Pickup Ix or Ir	1	UINT16	no-units	Inactive(0);Active(1)
	30244	50R1 Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30245	50R1 Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
50R2	30246	50R2 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30247	50R2 Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	30250	50R2 Signal - Pickup Ix or Ir	1	UINT16	no-units	Inactive(0);Active(1)
	30251	50R2 Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30252	50R2 Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
51R1	30253	51R1 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30254	51R1 Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	30257	51R1 Signal - Pickup Ix or Ir	1	UINT16	no-units	Inactive(0);Active(1)
	30258	51R1 Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30259	51R1 Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
51R2	30260	51R2 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30261	51R2 Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	30264	51R2 Signal - Pickup Ix or Ir	1	UINT16	no-units	Inactive(0);Active(1)
	30265	51R2 Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30266	51R2 Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
SOTF	30371	SOTF Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)

	30374	SOTF Signal - Switch onto Fault Enabled	1	UINT16	no-units	Inactive(0);Active(1)
	30376	SOTF Signal - No Load Current	1	UINT16	no-units	Inactive(0);Active(1)
Cold Load	30377	CLPU Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30379	CLPU Signal - Cold Load Enabled	1	UINT16	no-units	Inactive(0);Active(1)
	30380	CLPU Signal - Cold Load Detected	1	UINT16	no-units	Inactive(0);Active(1)
	30381	CLPU Signal - No Load Current	1	UINT16	no-units	Inactive(0);Active(1)
		CLPU Signal - Load Inrush		UINT16	no-units	Inactive(0);Active(1)
		CLPU Signal - Settle Time		UINT16	no-units	Inactive(0);Active(1)
32-1		32-1 Active		UINT16	no-units	Inactive(0);Active(1)
		32-1 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1)
		32-1 Pickup		UINT16	no-units	Inactive(0);Active(1)
		32-1 Trip		UINT16	no-units	Inactive(0);Active(1)
		32-1 Trip Command		UINT16	no-units	Inactive(0);Active(1)
32-2		32-2 Active		UINT16	no-units	Inactive(0);Active(1)
		32-2 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1)
		32-2 Pickup		UINT16	no-units	Inactive(0);Active(1)
		32-2 Trip		UINT16	no-units	Inactive(0);Active(1)
		32-2 Trip Command		UINT16	no-units	Inactive(0);Active(1)
32-3		32-3 Active		UINT16	no-units	Inactive(0);Active(1)
		32-3 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1)
		32-3 Pickup		UINT16	no-units	Inactive(0);Active(1)
		32-3 Trip		UINT16	no-units	Inactive(0);Active(1)
		32-3 Trip Command		UINT16	no-units	Inactive(0);Active(1)
32V-1		32V-1 Active		UINT16	no-units	Inactive(0);Active(1)
		32V-1 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1)
		32V-1 Pickup		UINT16	no-units	Inactive(0);Active(1)
		32V-1 Trip		UINT16	no-units	Inactive(0);Active(1)
		32V-1 Trip Command		UINT16	no-units	Inactive(0);Active(1)

32V-2		32V-2 Active		UINT16	no-units	Inactive(0);Active(1)
		32V-2 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1)
		32V-2 Pickup		UINT16	no-units	Inactive(0);Active(1)
		32V-2 Trip		UINT16	no-units	Inactive(0);Active(1)
		32V-2 Trip Command		UINT16	no-units	Inactive(0);Active(1)
32V-3		32V-3 Active		UINT16	no-units	Inactive(0);Active(1)
		32V-3 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1)
		32V-3 Pickup		UINT16	no-units	Inactive(0);Active(1)
		32V-3 Trip		UINT16	no-units	Inactive(0);Active(1)
		32V-3 Trip Command		UINT16	no-units	Inactive(0);Active(1)
59A1	38900	59A1 Active	1	UINT16	no-units	Inactive(0);Active(1)
	38901	59A1 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	38903	59A1 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	38904	59A1 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	38905	59A1 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
59A2	39000	59A2 Active	1	UINT16	no-units	Inactive(0);Active(1)
	39001	59A2 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	39003	59A2 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	39004	59A2 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	39005	59A2 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
59N1	39300	59N1 Active	1	UINT16	no-units	Inactive(0);Active(1)
	39301	59N1 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	39303	59N1 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	39304	59N1 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	39305	59N1 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
59N2	39400	59N2 Active	1	UINT16	no-units	Inactive(0);Active(1)
	39401	59N2 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	39403	59N2 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	39404	59N2 Trip	1	UINT16	no-units	Inactive(0);Active(1)

	39405	59N2 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
LOP	31080	LOP Active	1	UINT16	no-units	Inactive(0);Active(1)
	31081	LOP Loss of potential blocked	1	UINT16	no-units	Inactive(0);Active(1)
	31082	LOP Loss of potential pickup	1	UINT16	no-units	Inactive(0);Active(1)
46-1	36900	46-1 Active	1	UINT16	no-units	Inactive(0);Active(1)
	36901	46-1 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	36903	46-1 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	36907	46-1 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	36905	46-1 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
46-2	37000	46-2 Active	1	UINT16	no-units	Inactive(0);Active(1)
	37001	46-2 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	37003	46-2 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	37004	46-2 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	37005	46-2 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
PF-55A1	38500	55A1 Active	1	UINT16	no-units	Inactive(0);Active(1)
	38501	55A1 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	38503	55A1 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	38504	55A1 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	38505	55A1 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
PF-55A2	38600	55A2 Active	1	UINT16	no-units	Inactive(0);Active(1)
	38601	55A2 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	38603	55A2 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	38604	55A2 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	38605	55A2 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
PF-55D1	38700	55D1 Active	1	UINT16	no-units	Inactive(0);Active(1)
	38701	55D1 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	38703	55D1 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	38704	55D1 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	38705	55D1 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)

PF-55D2	38800	55D2 Active	1	UINT16	no-units	Inactive(0);Active(1)
	38801	55D2 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	38803	55D2 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	38804	55D2 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	38805	55D2 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
47-1	37100	47-1 Active	1	UINT16	no-units	Inactive(0);Active(1)
	37101	47-1 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	37103	47-1 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	37104	47-1 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	37105	47-1 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
47-2	37200	47-2 Active	1	UINT16	no-units	Inactive(0);Active(1)
	37201	47-2 Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	37203	47-2 Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	37204	47-2 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	37205	47-2 Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
Breaker Wear1	30184	Breaker Wear Signal - Isum Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30188	Breaker Wear Signal - Operations Alarm	1	UINT16	no-units	Inactive(0);Active(1)
		Breaker Wear Signal - Wear Level Alarm		UINT16	no-units	Inactive(0);Active(1)
		Breaker Wear Signal - Wear Level Lockout		UINT16	no-units	Inactive(0);Active(1)
		Breaker Wear Signal - Isum Alarm		UINT16	no-units	Inactive(0);Active(1)
87	30285	87 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30286	87 Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	30298	87 Signal - Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	30302	87 Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30303	87 Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)

87GD1	30304	87GD Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30305	87GD Signal - Trip Command Blocked	1	UINT16	no-units	Inactive(0);Active(1)
	30307	87GD Signal - Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	30308	87GD Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30309	87GD Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
87GDH	30316	87GDH Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30317	87GDH Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	30319	87GDH Signal - Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	30320	87GDH Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30321	87GDH Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
87H	30328	87H Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30329	87H Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	30331	87H Signal - Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	30335	87H Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30339	87H Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
	30223	CTS Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30224	CTS Signal - Pickup Current Transformer Measuring Circuit Supervision	1	UINT16	no-units	Inactive(0);Active(1)
Zone Interlock1	30340	Zone Interlock1 Signal - Blocked by BF	1	UINT16	no-units	Inactive(0);Active(1)
	30341	Zone Interlock1 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30342	Zone Interlock1 Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	30344	Zone Interlock1 Signal - Ground Out	1	UINT16	no-units	Inactive(0);Active(1)

	30345	Zone Interlock1 Signal - Ground Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	30346	Zone Interlock1 Signal - Ground Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30347	Zone Interlock1 Signal - Phase Out	1	UINT16	no-units	Inactive(0);Active(1)
	30348	Zone Interlock1 Signal - Phase Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	30349	Zone Interlock1 Signal - Phase Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30350	Zone Interlock1 Signal - ZI In	1	UINT16	no-units	Inactive(0);Active(1)
	30351	Zone Interlock1 Signal - ZI Out	1	UINT16	no-units	Inactive(0);Active(1)
	30352	Zone Interlock1 Signal - Pickup	1	UINT16	no-units	Inactive(0);Active(1)
	30353	Zone Interlock1 Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30354	Zone Interlock1 Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
RTD	30517	RTD Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	30518	RTD Signal - Trip Command blocked	1	UINT16	no-units	Inactive(0);Active(1)
	30520	RTD Signal - Alarm	1	UINT16	no-units	Inactive(0);Active(1)
	30521	RTD Signal - Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30522	RTD Signal - Trip Command	1	UINT16	no-units	Inactive(0);Active(1)
	30523	RTD Signal - WD 1 Alarm	1	UINT16	no-units	Inactive(0);Active(1)
	30524	RTD Signal - WD 1 Timeout Alarm	1	UINT16	no-units	Inactive(0);Active(1)
	30525	RTD Signal - WD 1 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30526	RTD Signal - WD 1 Invalid	1	UINT16	no-units	Inactive(0);Active(1)
	30527	RTD Signal - WD 2 Alarm	1	UINT16	no-units	Inactive(0);Active(1)
	30528	RTD Signal - WD 2 Timeout Alarm	1	UINT16	no-units	Inactive(0);Active(1)
	30529	RTD Signal - WD 2 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30530	RTD Signal - WD 2 Invalid	1	UINT16	no-units	Inactive(0);Active(1)
	30531	RTD Signal - WD 3 Alarm	1	UINT16	no-units	Inactive(0);Active(1)

30532	RTD Signal - WD 3 Timeout Alarm	1	UINT16	no-units	Inactive(0);Active(1)
30533	RTD Signal - WD 3 Trip	1	UINT16	no-units	Inactive(0);Active(1)
30534	RTD Signal - WD 3 Invalid	1	UINT16	no-units	Inactive(0);Active(1)
30535	RTD Signal - WD 4 A Alarm	1	UINT16	no-units	Inactive(0);Active(1)
30536	RTD Signal - WD 4 Timeout Alarm	1	UINT16	no-units	Inactive(0);Active(1)
30537	RTD Signal - WD 4 Trip	1	UINT16	no-units	Inactive(0);Active(1)
30538	RTD Signal - WD 4 Invalid	1	UINT16	no-units	Inactive(0);Active(1)
30539	RTD Signal - WD 5 Alarm	1	UINT16	no-units	Inactive(0);Active(1)
30540	RTD Signal - WD 5 Timeout Alarm	1	UINT16	no-units	Inactive(0);Active(1)
30541	RTD Signal - WD 5 Trip	1	UINT16	no-units	Inactive(0);Active(1)
30542	RTD Signal - WD 5 Invalid	1	UINT16	no-units	Inactive(0);Active(1)
30543	RTD Signal - WD 6 Alarm	1	UINT16	no-units	Inactive(0);Active(1)
30544	RTD Signal - WD 6 Timeout Alarm	1	UINT16	no-units	Inactive(0);Active(1)
30545	RTD Signal - WD 6 Trip	1	UINT16	no-units	Inactive(0);Active(1)
30546	RTD Signal - WD 6 Invalid	1	UINT16	no-units	Inactive(0);Active(1)
30547	RTD Signal - MB 1 Alarm	1	UINT16	no-units	Inactive(0);Active(1)
30548	RTD Signal - MB 1 Timeout Alarm	1	UINT16	no-units	Inactive(0);Active(1)
30549	RTD Signal - MB 1 Trip	1	UINT16	no-units	Inactive(0);Active(1)
30550	RTD Signal - MB 1 Invalid	1	UINT16	no-units	Inactive(0);Active(1)
30551	RTD Signal - MB 2 Alarm	1	UINT16	no-units	Inactive(0);Active(1)
30552	RTD Signal - MB 2 Timeout Alarm	1	UINT16	no-units	Inactive(0);Active(1)
30553	RTD Signal - MB 2 Trip	1	UINT16	no-units	Inactive(0);Active(1)
30554	RTD Signal - MB 2 Invalid	1	UINT16	no-units	Inactive(0);Active(1)
30555	RTD Signal - LB 1 Alarm	1	UINT16	no-units	Inactive(0);Active(1)
30556	RTD Signal - LB 1 Timeout Alarm	1	UINT16	no-units	Inactive(0);Active(1)
30557	RTD Signal - LB 1 Trip	1	UINT16	no-units	Inactive(0);Active(1)
30558	RTD Signal - LB 1 Invalid	1	UINT16	no-units	Inactive(0);Active(1)
30559	RTD Signal - LB 2 Alarm	1	UINT16	no-units	Inactive(0);Active(1)
30560	RTD Signal - LB 2 Timeout Alarm	1	UINT16	no-units	Inactive(0);Active(1)

	30561	RTD Signal - LB 2 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30562	RTD Signal - LB 2 Invalid	1	UINT16	no-units	Inactive(0);Active(1)
	30563	RTD Signal - Aux1 Alarm	1	UINT16	no-units	Inactive(0);Active(1)
	30564	RTD Signal - Aux1 Timeout Alarm	1	UINT16	no-units	Inactive(0);Active(1)
	30565	RTD Signal - Aux1 Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30566	RTD Signal - Aux1 Invalid	1	UINT16	no-units	Inactive(0);Active(1)
		RTD Signal - WD Group Invalid		UINT16	no-units	Inactive(0);Active(1)
		RTD Signal - MB Group Invalid		UINT16	no-units	Inactive(0);Active(1)
		RTD Signal - Timeout Alarm		UINT16	no-units	Inactive(0);Active(1)
		RTD Signal - LB Group Invalid		UINT16	no-units	Inactive(0);Active(1)
		RTD Signal - LB Group Alarm		UINT16	no-units	Inactive(0);Active(1)
		RTD Signal - LB Group Timeout Alarm		UINT16	no-units	Inactive(0);Active(1)
		RTD Signal - LB Group Trip		UINT16	no-units	Inactive(0);Active(1)
		RTD Signal - MB Group Alarm		UINT16	no-units	Inactive(0);Active(1)
		RTD Signal - MB Group Timeout Alarm		UINT16	no-units	Inactive(0);Active(1)
		RTD Signal - MB Group Trip		UINT16	no-units	Inactive(0);Active(1)
		RTD Signal - WD Group Alarm		UINT16	no-units	Inactive(0);Active(1)
		RTD Signal - WD Group Timeout Alarm		UINT16	no-units	Inactive(0);Active(1)
		RTD Signal - WD Group Trip		UINT16	no-units	Inactive(0);Active(1)
		RTD Signal - Voting Group 1 Trip		UINT16	no-units	Inactive(0);Active(1)
		RTD Signal - Voting Group 2 Trip		UINT16	no-units	Inactive(0);Active(1)
IRIG-B		IRIG-B Active		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Inverted		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 01		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 02		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 04		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 05		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 06		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 07		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 08		UINT16	no-units	Inactive(0);Active(1)

		IRIG-B Control Signal 09		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 10		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 11		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 12		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 13		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 14		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 15		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 16		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 17		UINT16	no-units	Inactive(0);Active(1)
		IRIG-B Control Signal 18		UINT16	no-units	Inactive(0);Active(1)
TCM1	31000	TCM1 Signal - Active	1	UINT16	no-units	Inactive(0);Active(1)
	31001	TCM1 Signal - Pickup	1	UINT16	no-units	Inactive(0);Active(1)
System Maintenar	31012	SYS Signal - Arc Flash reduction maintenance active	1	UINT16	no-units	Inactive(0);Active(1)
	31016	SYS Signal - Arc Flash reduction maintenance inactive	1	UINT16	no-units	Inactive(0);Active(1)
RO X2	31041	RO SlotX2 Signal - Relay Outputs Disarmed	1	UINT16	no-units	Inactive(0);Active(1)
	31042	RO SlotX2 Signal - At least one relay output set by force	1	UINT16	no-units	Inactive(0);Active(1)
	31043	RO SlotX2 Signal - ZI out	1	UINT16	no-units	Inactive(0);Active(1)
	31044	RO SlotX2 Signal - Relay Output 1	1	UINT16	no-units	Inactive(0);Active(1)
	31045	RO SlotX2 Signal - Relay Output 2	1	UINT16	no-units	Inactive(0);Active(1)
	31046	RO SlotX2 Signal - Relay Output 3	1	UINT16	no-units	Inactive(0);Active(1)
	31047	RO SlotX2 Signal - Relay Output 4	1	UINT16	no-units	Inactive(0);Active(1)
Wired Inputs		Wired Input - Main Breaker 1 Connected		UINT16	no-units	Inactive(0);Active(1)

	Wired Input - Main Breaker 2 Connected	UINT16	no-units	Inactive(0);Active(1)
	Wired Input - Tie Breaker Connected	UINT16	no-units	Inactive(0);Active(1)
	Wired Input - Main Breaker 1 Selected to Trip	UINT16	no-units	Inactive(0);Active(1)
	Wired Input - Main Breaker 2 Selected to Trip	UINT16	no-units	Inactive(0);Active(1)
	Wired Input - Tie Breaker Selected to Trip	UINT16	no-units	Inactive(0);Active(1)
	Wired Input - System in Auto	UINT16	no-units	Inactive(0);Active(1)
	Wired Input - System in Manual	UINT16	no-units	Inactive(0);Active(1)
	Wired Input - Preferred Source 1	UINT16	no-units	Inactive(0);Active(1)
	Wired Input - Preferred Source 2	UINT16	no-units	Inactive(0);Active(1)
	Wired Input - Main Breaker 1 Closed	UINT16	no-units	Inactive(0);Active(1)
	Wired Input - Main Breaker 2 Closed	UINT16	no-units	Inactive(0);Active(1)
	Wired Input - Tie Breaker Closed	UINT16	no-units	Inactive(0);Active(1)
	Wired Input - Main Breaker 1 Open	UINT16	no-units	Inactive(0);Active(1)
	Wired Input - Main Breaker 2 Open	UINT16	no-units	Inactive(0);Active(1)
	Wired Input - Tie Breaker Open	UINT16	no-units	Inactive(0);Active(1)
	Wired Input - Breaker Trouble	UINT16	no-units	Inactive(0);Active(1)
SYSA - System Alarms	SYSA - Current Demand Alarm	UINT16	no-units	Inactive(0);Active(1)
	SYSA - Active	UINT16	no-units	Inactive(0);Active(1)
	SYSA - Current THD Alarm	UINT16	no-units	Inactive(0);Active(1)
	SYSA - VA Power Alarm	UINT16	no-units	Inactive(0);Active(1)
	SYSA - VA Demand Alarm	UINT16	no-units	Inactive(0);Active(1)
	SYSA - VAr Power Alarm	UINT16	no-units	Inactive(0);Active(1)

	SYSA - VAr Demand Alarm	UINT16	no-units	Inactive(0);Active(1)
	SYSA - Voltage THD Alarm	UINT16	no-units	Inactive(0);Active(1)
	SYSA - Watt Power Alarm	UINT16	no-units	Inactive(0);Active(1)
	SYSA - Watt Demand Alarm	UINT16	no-units	Inactive(0);Active(1)
	SYSA - Current Demand Trip	UINT16	no-units	Inactive(0);Active(1)
	SYSA - Current THD Trip	UINT16	no-units	Inactive(0);Active(1)
	SYSA - VA Demand Trip	UINT16	no-units	Inactive(0);Active(1)
	SYSA - VA Power Trip	UINT16	no-units	Inactive(0);Active(1)
	SYSA - VAr Demand Trip	UINT16	no-units	Inactive(0);Active(1)
	SYSA - VAr Power Trip	UINT16	no-units	Inactive(0);Active(1)
	SYSA - Voltage THD Trip	UINT16	no-units	Inactive(0);Active(1)
	SYSA - Watt Demand Trip	UINT16	no-units	Inactive(0);Active(1)
	SYSA - Watt Power Trip	UINT16	no-units	Inactive(0);Active(1)
SYNC	SYNC - Active	UINT16	no-units	Inactive(0);Active(1)
	SYNC - Angle Difference Too High	UINT16	no-units	Inactive(0);Active(1)
	SYNC - System in Sync	UINT16	no-units	Inactive(0);Active(1)
	SYNC - Live Bus	UINT16	no-units	Inactive(0);Active(1)
	SYNC - Live Line	UINT16	no-units	Inactive(0);Active(1)
	SYNC - Slip Frequency Too High	UINT16	no-units	Inactive(0);Active(1)
	SYNC - Overridden	UINT16	no-units	Inactive(0);Active(1)
	SYNC - Allowed	UINT16	no-units	Inactive(0);Active(1)
	SYNC - Failed	UINT16	no-units	Inactive(0);Active(1)
	SYNC - Run Timing	UINT16	no-units	Inactive(0);Active(1)
	SYNC - Voltage Difference Too High	UINT16	no-units	Inactive(0);Active(1)
CTRL	CTRL - Local	UINT16	no-units	Inactive(0);Active(1)
	CTRL - Remote	UINT16	no-units	Inactive(0);Active(1)
Breaker1	Breaker Trip Command	UINT16	no-units	Inactive(0);Active(1)
	Breaker Open Command	UINT16	no-units	Inactive(0);Active(1)
	Breaker Manual Open Command	UINT16	no-units	Inactive(0);Active(1)

		Breaker Close Command		UINT16	no-units	Inactive(0);Active(1)
		Breaker Manual Close Command		UINT16	no-units	Inactive(0);Active(1)
		Slow Breaker		UINT16	no-units	Inactive(0);Active(1)
		Reset Slow Breaker		UINT16	no-units	Inactive(0);Active(1)
	30176	Bkr1 Signal - Breaker Disturbed	1	UINT16	no-units	Inactive(0);Active(1)
	30173	Bkr1 Signal - Breaker Indeterminate	1	UINT16	no-units	Inactive(0);Active(1)
	30174	Bkr1 Signal - Breaker Open	1	UINT16	no-units	Inactive(0);Active(1)
	30175	Bkr1 Signal - Breaker Closed	1	UINT16	no-units	Inactive(0);Active(1)
	30171	Bkr1 Signal - Breaker is Ready for operation	1	UINT16	no-units	Inactive(0);Active(1)
Status	3000	Breaker/Contactor State	1	UINT16	no-units	Disturbed(0);Indeterminate(2);Open(3);Closed(4);Error(5)
Prot		IR Current Direction Failure Forward		UINT16	no-units	Inactive(0);Active(1)
		IR Current Direction Failure Reverse		UINT16	no-units	Inactive(0);Active(1)
		IR Current Direction Detection Not Possible		UINT16	no-units	Inactive(0);Active(1)
		IX Current Direction Failure Forward		UINT16	no-units	Inactive(0);Active(1)
		IX Current Direction Failure Reverse		UINT16	no-units	Inactive(0);Active(1)
		IX Current Direction Detection Not Possible		UINT16	no-units	Inactive(0);Active(1)
		WFR - Phase DFT Invalid		UINT16	no-units	Inactive(0);Active(1)
		WFR - Phase Frequency Greater than 10Hz		UINT16	no-units	Inactive(0);Active(1)
		WFR - Phase Frequency Greater than 70Hz		UINT16	no-units	Inactive(0);Active(1)

		WFR - Phase Frequency Less than 10Hz		UINT16	no-units	Inactive(0);Active(1)
		WFR - Phase Frequency Less than 70Hz		UINT16	no-units	Inactive(0);Active(1)
		WFR - VX DFT Invalid		UINT16	no-units	Inactive(0);Active(1)
		WFR - VX Frequency Greater than 10Hz		UINT16	no-units	Inactive(0);Active(1)
		WFR - VX Frequency Greater than 70Hz		UINT16	no-units	Inactive(0);Active(1)
		WFR - VX Frequency Less than 10Hz		UINT16	no-units	Inactive(0);Active(1)
		WFR - VX Frequency Less than 70Hz		UINT16	no-units	Inactive(0);Active(1)
RTD	30567	RTD Signal - Any RTD Group Alarm	1	UINT16	no-units	Inactive(0);Active(1)
	30569	RTD Signal - Any RTD Group Trip	1	UINT16	no-units	Inactive(0);Active(1)
	30568	RTD Signal - Any RTD Group Timeout Alarm	1	UINT16	no-units	Inactive(0);Active(1)
40-Z1 - 1 Loss of Excitation		40-Z1-1 Pickup		UINT16	no-units	Inactive(0);Active(1)
		40-Z1-1 Active		UINT16	no-units	Inactive(0);Active(1)
		40-Z1-1 Trip		UINT16	no-units	Inactive(0);Active(1)
		40-Z1-1 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1)
		40-Z1-1 Trip Command		UINT16	no-units	Inactive(0);Active(1)
40-Z2 - 1 Loss of Excitation		40-Z2-1 Pickup		UINT16	no-units	Inactive(0);Active(1)
		40-Z2-1 Active		UINT16	no-units	Inactive(0);Active(1)
		40-Z2-1 Trip		UINT16	no-units	Inactive(0);Active(1)
		40-Z2-1 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1)
		40-Z2-1 Trip Command		UINT16	no-units	Inactive(0);Active(1)
46G1		46G1 Pickup		UINT16	no-units	Inactive(0);Active(1)
		46G1 Active		UINT16	no-units	Inactive(0);Active(1)
		46G1 Trip		UINT16	no-units	Inactive(0);Active(1)

	46G1 Trip Command Blocked	UINT16	no-units	Inactive(0);Active(1)
	46G1 Trip Command	UINT16	no-units	Inactive(0);Active(1)
46G2	46G2 Pickup	UINT16	no-units	Inactive(0);Active(1)
	46G2 Active	UINT16	no-units	Inactive(0);Active(1)
	46G2 Trip	UINT16	no-units	Inactive(0);Active(1)
	46G2 Trip Command Blocked	UINT16	no-units	Inactive(0);Active(1)
	46G2 Trip Command	UINT16	no-units	Inactive(0);Active(1)
24-1	24-1 Pickup	UINT16	no-units	Inactive(0);Active(1)
	24-1 Active	UINT16	no-units	Inactive(0);Active(1)
	24-1 Trip	UINT16	no-units	Inactive(0);Active(1)
	24-1 Trip Command Blocked	UINT16	no-units	Inactive(0);Active(1)
	24-1 Trip Command	UINT16	no-units	Inactive(0);Active(1)
24-2	24-2 Pickup	UINT16	no-units	Inactive(0);Active(1)
	24-2 Active	UINT16	no-units	Inactive(0);Active(1)
	24-2 Trip	UINT16	no-units	Inactive(0);Active(1)
	24-2 Trip Command Blocked	UINT16	no-units	Inactive(0);Active(1)
	24-2 Trip Command	UINT16	no-units	Inactive(0);Active(1)
Analog Input 1	Analog Input 1 Pickup	UINT16	no-units	Inactive(0);Active(1);N/A(2)
	Analog Input 1 Active	UINT16	no-units	Inactive(0);Active(1);N/A(2)
	Analog Input 1 Trip	UINT16	no-units	N/A(2)(0);Inactive(0);Active(1)(1)
	Analog Input 1 Trip Command Blocked	UINT16	no-units	Inactive(0);Active(1);N/A(2)
	Analog Input 1 Trip Command	UINT16	no-units	Inactive(0);Active(1);N/A(2)
Analog Input 2	Analog Input 2 Pickup	UINT16	no-units	Inactive(0);Active(1);N/A(2)

		Analog Input 2 Active		UINT16	no-units	Inactive(0);Active(1);N/A(2)
		Analog Input 2 Trip		UINT16	no-units	N/A(2)(0);Inactive(0);Active(1)(1)
		Analog Input 2 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1);N/A(2)
		Analog Input 2 Trip Command		UINT16	no-units	Inactive(0);Active(1);N/A(2)
40-Z1 - 2 Loss of Excitation		40-Z1-2 Pickup		UINT16	no-units	Inactive(0);Active(1)
		40-Z1-2 Active		UINT16	no-units	Inactive(0);Active(1)
		40-Z1-2 Trip		UINT16	no-units	Inactive(0);Active(1)
		40-Z1-2 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1)
		40-Z1-2 Trip Command		UINT16	no-units	Inactive(0);Active(1)
40-Z2 - 2 Loss of Excitation		40-Z2-2 Pickup		UINT16	no-units	Inactive(0);Active(1)
		40-Z2-2 Active		UINT16	no-units	Inactive(0);Active(1)
		40-Z2-2 Trip		UINT16	no-units	Inactive(0);Active(1)
		40-Z2-2 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1)
		40-Z2-2 Trip Command		UINT16	no-units	Inactive(0);Active(1)
50/27 - Inadvertent Energizatio		50/27 Pickup		UINT16	no-units	Inactive(0);Active(1)
		50/27 Active		UINT16	no-units	Inactive(0);Active(1)
		50/27 Trip		UINT16	no-units	Inactive(0);Active(1)
		50/27 Trip Command Blocked		UINT16	no-units	Inactive(0);Active(1)
		50/27 Trip Command		UINT16	no-units	Inactive(0);Active(1)
DI Slot X1	31030	Signal - Digital Input 1	1	UINT16	no-units	Inactive(0);Active(1)
	31031	Signal - Digital Input 2	1	UINT16	no-units	Inactive(0);Active(1)
	31032	Signal - Digital Input 3	1	UINT16	no-units	Inactive(0);Active(1)
	31033	Signal - Digital Input 4	1	UINT16	no-units	Inactive(0);Active(1)
	31034	Signal - Digital Input 5	1	UINT16	no-units	Inactive(0);Active(1)
	31035	Signal - Digital Input 6	1	UINT16	no-units	Inactive(0);Active(1)
	31036	Signal - Digital Input 7	1	UINT16	no-units	Inactive(0);Active(1)
	31037	Signal - Digital Input 8	1	UINT16	no-units	Inactive(0);Active(1)

DI Slot X5/6		Signal - Slot X5 Digital Input 1		UINT16	no-units	Inactive(0);Active(1);N/A(2)
		Signal - Slot X5 Digital Input 2		UINT16	no-units	Inactive(0);Active(1);N/A(2)
		Signal - Slot X5 Digital Input 3		UINT16	no-units	Inactive(0);Active(1);N/A(2)
		Signal - Slot X5 Digital Input 4		UINT16	no-units	Inactive(0);Active(1);N/A(2)
		Signal - Slot X5 Digital Input 5		UINT16	no-units	Inactive(0);Active(1);N/A(2)
		Signal - Slot X5 Digital Input 6		UINT16	no-units	Inactive(0);Active(1);N/A(2)
		Signal - Slot X5 Digital Input 7		UINT16	no-units	Inactive(0);Active(1);N/A(2)
		Signal - Slot X5 Digital Input 8		UINT16	no-units	Inactive(0);Active(1);N/A(2)
Modbus		Modbus Command 01		UINT16	no-units	Inactive(0);Active(1)
		Modbus Command 02		UINT16	no-units	Inactive(0);Active(1)
		Modbus Command 03		UINT16	no-units	Inactive(0);Active(1)
		Modbus Command 04		UINT16	no-units	Inactive(0);Active(1)
		Modbus Command 05		UINT16	no-units	Inactive(0);Active(1)
		Modbus Command 06		UINT16	no-units	Inactive(0);Active(1)
		Modbus Command 07		UINT16	no-units	Inactive(0);Active(1)
		Modbus Command 08		UINT16	no-units	Inactive(0);Active(1)
		Modbus Command 09		UINT16	no-units	Inactive(0);Active(1)
		Modbus Command 10		UINT16	no-units	Inactive(0);Active(1)
		Modbus Command 11		UINT16	no-units	Inactive(0);Active(1)
		Modbus Command 12		UINT16	no-units	Inactive(0);Active(1)
		Modbus Command 13		UINT16	no-units	Inactive(0);Active(1)
		Modbus Command 14		UINT16	no-units	Inactive(0);Active(1)
		Modbus Command 15		UINT16	no-units	Inactive(0);Active(1)
		Modbus Command 16		UINT16	no-units	Inactive(0);Active(1)
	35000	Signal - Communication Active	1	UINT16	no-units	Inactive(0);Active(1)

RTD	31018	URTD - WD1 supervision	1	UINT16	no-units	Inactive(0);Active(1)
	31019	URTD - WD2 supervision	1	UINT16	no-units	Inactive(0);Active(1)
	31020	URTD - WD3 supervision	1	UINT16	no-units	Inactive(0);Active(1)
	31021	URTD - WD4 supervision	1	UINT16	no-units	Inactive(0);Active(1)
	31022	URTD - WD5 supervision	1	UINT16	no-units	Inactive(0);Active(1)
	31023	URTD - WD6 supervision	1	UINT16	no-units	Inactive(0);Active(1)
	31024	URTD - MB1 supervision	1	UINT16	no-units	Inactive(0);Active(1)
	31025	URTD - MB2 supervision	1	UINT16	no-units	Inactive(0);Active(1)
	31026	URTD - LB1 supervision	1	UINT16	no-units	Inactive(0);Active(1)
	31027	URTD - LB2 supervision	1	UINT16	no-units	Inactive(0);Active(1)
	31028	URTD - Aux1 supervision	1	UINT16	no-units	Inactive(0);Active(1)
	31029	URTD - URTD supervision	1	UINT16	no-units	Inactive(0);Active(1)
Service		Signal Generator Running		UINT16	no-units	Inactive(0);Active(1)
RO X5	31051	RO SlotX5 Signal - Relay Output 1	1	UINT16	no-units	Inactive(0);Active(1)
	31052	RO SlotX5 Signal - Relay Output 2	1	UINT16	no-units	Inactive(0);Active(1)
	31053	RO SlotX5 Signal - Relay Output 3	1	UINT16	no-units	Inactive(0);Active(1)
	31054	RO SlotX5 Signal - Relay Output 4	1	UINT16	no-units	Inactive(0);Active(1)
	31048	RO SlotX5 Signal - Relay Outputs Disarmed	1	UINT16	no-units	Inactive(0);Active(1)
	31049	RO SlotX5 Signal - At least one relay output set by force	1	UINT16	no-units	Inactive(0);Active(1)
Logic or Discrete Input/Output		Logic Equation 01 - Gate Output		UINT16	no-units	Inactive(0);Active(1)
		Logic Equation 01 - Timer Output		UINT16	no-units	Inactive(0);Active(1)
		Logic Equation 01 - Output		UINT16	no-units	Inactive(0);Active(1)
		Logic Equation 01 - Output Inverted		UINT16	no-units	Inactive(0);Active(1)

	Logic Equation 02 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 02 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 02 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 02 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 03 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 03 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 03 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 03 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 04 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 04 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 04 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 04 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 05 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 05 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 05 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 05 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 06 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 06 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 06 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 06 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 07 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 07 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 07 - Output	UINT16	no-units	Inactive(0);Active(1)

	Logic Equation 07 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 08 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 08 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 08 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 08 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 09 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 09 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 09 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 09 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 10 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 10 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 10 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 10 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 11 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 11 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 11 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 11 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 12 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 12 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 12 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 12 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 13 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 13 - Timer Output	UINT16	no-units	Inactive(0);Active(1)

	Logic Equation 13 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 13 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 14 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 14 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 14 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 14 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 15 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 15 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 15 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 15 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 16 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 16 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 16 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 16 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 17 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 17 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 17 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 17 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 18 - Gate Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 18 - Timer Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 18 - Output	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 18 - Output Inverted	UINT16	no-units	Inactive(0);Active(1)
	Logic Equation 19 - Gate Output	UINT16	no-units	Inactive(0);Active(1)

		Logic Equation 19 - Timer Output		UINT16	no-units	Inactive(0);Active(1)
		Logic Equation 19 - Output		UINT16	no-units	Inactive(0);Active(1)
		Logic Equation 19 - Output Inverted		UINT16	no-units	Inactive(0);Active(1)
		Logic Equation 20 - Gate Output		UINT16	no-units	Inactive(0);Active(1)
		Logic Equation 20 - Timer Output		UINT16	no-units	Inactive(0);Active(1)
		Logic Equation 20 - Output		UINT16	no-units	Inactive(0);Active(1)
		Logic Equation 20 - Output Inverted		UINT16	no-units	Inactive(0);Active(1)
Date and Time	35001	Year	1	UINT16	year	
	35002	Month	1	UINT16	months	
	35003	Day	1	UINT16	days	
	35004	Hour	1	UINT16	hours	
	35005	Minute	1	UINT16	minutes	
	35006	Milliseconds	1	UINT16	milliseconds	
	35020	Trip Command Counter	2	UINT32	no-units	
	2108	Build	24	ASCII	no-units	
	3084	Number of Operating Hours	1	UINT16	hours	
	3119	Thermal Capacity Used	1	UINT16	percent	
	35030	Remaining time until thermal overload trip	2	UINT32	seconds	
	5422	I0 Fund	2	FLOAT	amperes	
	5426	I1 Fund	2	FLOAT	amperes	
	5430	I2 Fund	2	FLOAT	amperes	
	11000	Frequency	2	FLOAT	hertz	
	8268	Vab Fundamental	2	FLOAT	volts	
	8272	Vbc Fundamental	2	FLOAT	volts	
	8276	Vca Fundamental	2	FLOAT	volts	
	8270	Van Fundamental	2	FLOAT	volts	
	8274	Vbn Fundamental	2	FLOAT	volts	
	8278	Vcn Fundamental	2	FLOAT	volts	

Power Quality		VX Fund		FLOAT	volts
	4509	3V0 Voltage Magnitude	2	FLOAT	volts
	4513	V1 Voltage Magnitude	2	FLOAT	volts
	4517	V2 Voltage Magnitude	2	FLOAT	volts
	6218	PF Displacement	2	FLOAT	power-factor
Power Quality		VR Fund		FLOAT	volts
	7004	Forward Real Energy	2	FLOAT	watt-hours
	7006	Reverse Real Energy	2	FLOAT	watt-hours
	7012	Lagging Reactive Energy	2	FLOAT	volt-ampere-reactive-hours
	7010	Leading Reactive Energy	2	FLOAT	volt-ampere-reactive-hours
	33000	Sum trip IA	2	FLOAT	amperes
	33002	Sum trip IB	2	FLOAT	amperes
	33004	Sum trip IC	2	FLOAT	amperes
	33020	IR Angle Calculated	2	FLOAT	degrees-phase
	33022	IX Angle Measured	2	FLOAT	degrees-phase
	33024	IA angle	2	FLOAT	degrees-phase
	33026	IB angle	2	FLOAT	degrees-phase
	33028	IC angle	2	FLOAT	degrees-phase
	33030	IA THD	2	FLOAT	amperes
	33032	IB THD	2	FLOAT	amperes
	33034	IC THD	2	FLOAT	amperes
	9436	Percent THD Ia	2	FLOAT	percent
	9438	Percent THD Ib	2	FLOAT	percent
	9440	Percent THD Ic	2	FLOAT	percent
	33556	Differential - IR Calc Fundamental	2	FLOAT	amperes
	33548	Differential - IX Meas Fundamental	2	FLOAT	amperes
	33542	Differential - IA Fundamental	2	FLOAT	amperes
	33544	Differential - IB Fundamental	2	FLOAT	amperes
	33546	Differential - IC Fundamental	2	FLOAT	amperes
	33514	Differential - IR Calc RMS	2	FLOAT	amperes
	33512	Differential - IX Meas RMS	2	FLOAT	amperes
	33506	Differential - IA RMS	2	FLOAT	amperes

	33508	Differential - IB RMS	2	FLOAT	amperes
	33510	Differential - IC RMS	2	FLOAT	amperes
	33520	Differential - IR Calc Angle	2	FLOAT	degrees-phase
	33522	Differential - IX Meas Angle	2	FLOAT	degrees-phase
	33524	Differential - IA Angle	2	FLOAT	degrees-phase
	33526	Differential - IB Angle	2	FLOAT	degrees-phase
	33528	Differential - IC Angle	2	FLOAT	degrees-phase
	35032	IRIG-B Edges	2	UINT32	no-units
	35034	IRIG-B Number of Frame Errors	2	UINT32	no-units
	35036	IRIG-B Number of Valid Frames	2	UINT32	no-units
	5002	IA RMS	2	FLOAT	amperes
	5004	IB RMS	2	FLOAT	amperes
	5006	IC RMS	2	FLOAT	amperes
	5308	IX meas RMS	2	FLOAT	amperes
	5302	IR calc RMS	2	FLOAT	amperes
Environment		Auxiliary Temperature 2		FLOAT	degrees-Celsius
	12008	Winding Temperature 1	2	FLOAT	degrees-Celsius
	12010	Winding Temperature 2	2	FLOAT	degrees-Celsius
	12012	Winding Temperature 3	2	FLOAT	degrees-Celsius
	12014	Winding Temperature 4	2	FLOAT	degrees-Celsius
	12016	Winding Temperature 5	2	FLOAT	degrees-Celsius
	12018	Winding Temperature 6	2	FLOAT	degrees-Celsius
	12020	Motor Bearing Temperature 1	2	FLOAT	degrees-Celsius
	12022	Motor Bearing Temperature 2	2	FLOAT	degrees-Celsius
	12024	Load Bearing Temperature 1	2	FLOAT	degrees-Celsius
	12026	Load Bearing Temperature 2	2	FLOAT	degrees-Celsius
	12028	Auxiliary Temperature	2	FLOAT	degrees-Celsius
	5142	Phase Current Unbalance	2	FLOAT	percent
	4435	Vr angle calculated	2	FLOAT	degrees-phase
	4437	Vx angle measured	2	FLOAT	degrees-phase
	4417	Vab Phase	2	FLOAT	degrees-phase
	4429	Van Phase	2	FLOAT	degrees-phase
	4419	Vbc Phase	2	FLOAT	degrees-phase
	4431	Vbn Phase	2	FLOAT	degrees-phase

	4421	Vca Phase	2	FLOAT	degrees-phase
	4433	Vcn Phase	2	FLOAT	degrees-phase
	4511	3V0 Voltage Angle	2	FLOAT	degrees-phase
	4515	V1 Voltage Angle	2	FLOAT	degrees-phase
	4519	V2 Voltage Angle	2	FLOAT	degrees-phase
	8036	Van THD	2	FLOAT	volts
	8030	Vab THD	2	FLOAT	volts
	8038	Vbn THD	2	FLOAT	volts
	8032	Vbc THD	2	FLOAT	volts
	8040	Vcn THD	2	FLOAT	volts
	8034	Vca THD	2	FLOAT	volts
	8154	Percent THD Van	2	FLOAT	percent
	8148	Percent THD Vab	2	FLOAT	percent
	8156	Percent THD Vbn	2	FLOAT	percent
	8150	Percent THD Vbc	2	FLOAT	percent
	8158	Percent THD Vcn	2	FLOAT	percent
	8152	Percent THD Vca	2	FLOAT	percent
	31606	Vr Calculated RMS	2	FLOAT	volts
	31614	Vr Calculated RMS	2	FLOAT	volts
	4010	Van	2	FLOAT	volts
	4002	Vab	2	FLOAT	volts
	4012	Vbn	2	FLOAT	volts
	4004	Vbc	2	FLOAT	volts
	4014	Vcn	2	FLOAT	volts
	4006	Vca	2	FLOAT	volts
	4483	Percent Voltage Unbalance	2	FLOAT	percent
	6006	System Watt RMS	2	FLOAT	watts
	6070	System VA RMS	2	FLOAT	volt-amperes
	6220	PF Apparent	2	FLOAT	power-factor
	6134	System VAR RMS	2	FLOAT	volt-amperes-reactive
	7008	Net Real Energy	2	FLOAT	watt-hours
	7014	Net Reactive Energy	2	FLOAT	volt-ampere-reactive-hours
	7016	Apparent Energy	2	FLOAT	volt-ampere-hours

Status		Number of Operating Hours (Resettable)		FLOAT	hours	
Motor/Protection/Drive Status		Breaker Open Capacity		FLOAT	percent	
		Isum trip per hour		FLOAT	amps	
SYNC - Values		SYNC - Bus Frequency		FLOAT	hertz	
		SYNC - Bus Voltage		FLOAT	volts	
		SYNC - Bus Angle		FLOAT	degrees	
		SYNC - Angle Difference		FLOAT	degrees	
		SYNC - Voltage Difference		FLOAT	volts	
		SYNC - Line Frequency		FLOAT	hertz	
		SYNC - Line Voltage		FLOAT	volts	
		SYNC - Line Angle		FLOAT	degrees	
		SYNC - Slip Frequency		FLOAT	hertz	
Voltage		VX 3rd Harmonic		FLOAT	volts	
Discrete Input/Output		Analog Input 1 Forced Value		FLOAT	percent	N/A(101)
		Analog Input 2 Forced Value		FLOAT	percent	N/A(101)
24 - Values		Volts per Hertz		FLOAT	percent	
	11027	Max Frequency	2	FLOAT	hertz	
	11022	Min Frequency	2	FLOAT	hertz	
	4219	Positive Sequence Voltage Max	2	FLOAT	volts	
	4207	Positive Sequence Voltage Min	2	FLOAT	volts	
	4223	Negative Sequence Voltage Max	2	FLOAT	volts	
	4211	Negative Sequence Voltage Min	2	FLOAT	volts	
	33116	Positive Sequence Current Max	2	FLOAT	amperes	
	33118	Positive Sequence Current Min	2	FLOAT	amperes	
	33122	Negative Sequence Current Max	2	FLOAT	amperes	

33124	Negative Sequence Current Min	2	FLOAT	amperes
35026	Thermal Capacity Max	2	FLOAT	percent
35028	Thermal Capacity Min	2	FLOAT	percent
6288	Max System PF (Disp)	2	FLOAT	power-factor
6268	Min System PF (Disp)	2	FLOAT	power-factor
5250	Demand Ia	2	FLOAT	amperes
5252	Demand Ib	2	FLOAT	amperes
5254	Demand Ic	2	FLOAT	amperes
5164	Ia Max	2	FLOAT	amperes
5166	Ib Max	2	FLOAT	amperes
5168	Ic Max	2	FLOAT	amperes
5144	Ia Min	2	FLOAT	amperes
5146	Ib Min	2	FLOAT	amperes
5148	Ic Min	2	FLOAT	amperes
31522	URTD - WD1 min	2	FLOAT	degrees-Celsius
31524	URTD - WD2 min	2	FLOAT	degrees-Celsius
31526	URTD - WD3 min	2	FLOAT	degrees-Celsius
31528	URTD - WD4 min	2	FLOAT	degrees-Celsius
31530	URTD - WD5 min	2	FLOAT	degrees-Celsius
31532	URTD - WD6 min	2	FLOAT	degrees-Celsius
31534	URTD - MB1 min	2	FLOAT	degrees-Celsius
31536	URTD - MB2 min	2	FLOAT	degrees-Celsius
31538	URTD - LB1 min	2	FLOAT	degrees-Celsius
31540	URTD - LB2 min	2	FLOAT	degrees-Celsius
31542	URTD - Aux1 min	2	FLOAT	degrees-Celsius
31544	URTD - WD1 max	2	FLOAT	degrees-Celsius
31546	URTD - WD2 max	2	FLOAT	degrees-Celsius
31548	URTD - WD3 max	2	FLOAT	degrees-Celsius
31550	URTD - WD4 max	2	FLOAT	degrees-Celsius
31552	URTD - WD5 max	2	FLOAT	degrees-Celsius
31554	URTD - WD6 max	2	FLOAT	degrees-Celsius
31556	URTD - MB1 max	2	FLOAT	degrees-Celsius
31558	URTD - MB2 max	2	FLOAT	degrees-Celsius
31560	URTD - LB1 max	2	FLOAT	degrees-Celsius

31562	URTD - LB2 max	2	FLOAT	degrees-Celsius
31564	URTD - Aux1 max	2	FLOAT	degrees-Celsius
32128	Ir Calculated Max	2	FLOAT	amperes
32130	Ir Calculated Min	2	FLOAT	amperes
32134	Ix Measured Max	2	FLOAT	amperes
32136	Ix Measured Min	2	FLOAT	amperes
32140	Phase Current Unbalance Interval Max	2	FLOAT	percent
32142	Phase Current Unbalance Interval Min	2	FLOAT	percent
31602	Vr Calculated Max	2	FLOAT	volts
31604	Vr Calculated Min	2	FLOAT	volts
31610	Vx Measured Max	2	FLOAT	volts
31612	Vx Measured Min	2	FLOAT	volts
4306	Max Vab	2	FLOAT	volts
4241	Min Vab	2	FLOAT	volts
4296	Max Van	2	FLOAT	volts
4231	Min Van	2	FLOAT	volts
4308	Max Vbc	2	FLOAT	volts
4243	Min Vbc	2	FLOAT	volts
4298	Max Vbn	2	FLOAT	volts
4233	Min Vbn	2	FLOAT	volts
4310	Max Vca	2	FLOAT	volts
4245	Min Vca	2	FLOAT	volts
4300	Max Vcn	2	FLOAT	volts
4235	Min Vcn	2	FLOAT	volts
31618	Voltage Unbalance Max	2	FLOAT	percent
31620	Voltage Unbalance Min	2	FLOAT	percent
7023	Demand Watts	2	FLOAT	watts
6014	Max Real Power	2	FLOAT	watts
6356	Min Real Power	2	FLOAT	watts
7387	Demand VAs	2	FLOAT	volt-amperes
6078	Max Apparent Power	2	FLOAT	volt-amperes
6364	Min Apparent Power	2	FLOAT	volt-amperes
6248	Max System PF (App)	2	FLOAT	power-factor

	6228	Min System PF (App)	2	FLOAT	power-factor
	7029	Demand VARs	2	FLOAT	volt-amperes-reactive
	6142	Max Reactive Power	2	FLOAT	volt-amperes-reactive
	6420	Min Reactive Power	2	FLOAT	volt-amperes-reactive
	5014	Peak Demand Ia	2	FLOAT	amperes
	5016	Peak Demand Ib	2	FLOAT	amperes
	5018	Peak Demand Ic	2	FLOAT	amperes
	7040	Peak Demand Watts	2	FLOAT	watts
	7045	Peak Demand VARs	2	FLOAT	volt-amperes-reactive
	7389	Peak Demand VAs	2	FLOAT	volt-amperes
RTD		URTD - Aux2 max		FLOAT	degrees-Celsius
		URTD - Aux2 min		FLOAT	degrees-Celsius
Voltage		VX 3rd Harmonic Max		FLOAT	volts
		VX 3rd Harmonic Min		FLOAT	volts
Status		Generator Operating Hours		FLOAT	hours
24 - Values		Volts per Hertz Max		FLOAT	percent
		Volts per Hertz Min		FLOAT	percent
	33652	Differential - Ground Differential Max	2	FLOAT	amperes
	33654	Differential - Ground Differential Min	2	FLOAT	amperes
	33658	Differential - Ground Restraint Max	2	FLOAT	amperes
	33660	Differential - Ground Restraint Min	2	FLOAT	amperes
	33580	Differential - IA Differential Max	2	FLOAT	amperes
	33582	Differential - IA Differential Min	2	FLOAT	amperes
	33586	Differential - IB Differential Max	2	FLOAT	amperes

	33588	Differential - IB Differential Min	2	FLOAT	amperes	
	33592	Differential - IC Differential Max	2	FLOAT	amperes	
	33594	Differential - IC Differential Min	2	FLOAT	amperes	
	33598	Differential - IA Restraint Max	2	FLOAT	amperes	
	33600	Differential - IA Restraint Min	2	FLOAT	amperes	
	33604	Differential - IB Restraint Max	2	FLOAT	amperes	
	33606	Differential - IB Restraint Min	2	FLOAT	amperes	
	33610	Differential - IC Restraint Max	2	FLOAT	amperes	
	33612	Differential - IC Restraint Min	2	FLOAT	amperes	
Control		Acknowledge - LEDs		UINT16	no-units	Yes
		Acknowledge - Relay Outputs		UINT16	no-units	Yes
		Acknowledge - Comm		UINT16	no-units	Yes
		Acknowledge - Device		UINT16	no-units	Yes
	2204	Acknowledge - Trip Command	1	INT16	no-units	Yes
		Reset - Modbus Counter		UINT16	no-units	Yes
	2206	Reset - All Energy Counters	1	INT16	no-units	Yes
		Reset - BKR Isum Trip		UINT16	no-units	Yes
		Comm Command 01		UINT16	no-units	Yes
		Comm Command 02		UINT16	no-units	Yes
		Set Parameter Set 1		UINT16	no-units	Yes
		Set Parameter Set 2		UINT16	no-units	Yes
	2220	Breaker-Contactor	1	INT16	no-units	Yes