

Product
Identification

Visualization

Settings

Commands

Maintenance

Product Identification

Identification

Product

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
50000	0xC350	Info	69	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
50000	0xC350	4	"SOCO"	-	STRING_16
50004	0xC354	1	Product order ID (Countis:100, Protection:200, Atys:300, Diris:400)	-	U16
50005	0xC355	1	Product ID (EX: 1000 ATS3)	-	U16
50006	0xC356	1	MODBUS Table Version	-	U16
50007	0xC357	1	Product software version (EX: 100 Version 1.00)	-	U16
50008	0xC358	1	Serial_AA_SS	-	U16_HEX
50009	0xC359	1	Serial_SST_L	-	U16_HEX
50010	0xC35A	1	Serial_order	-	U16
50011	0xC35B	2	Serial_Reserve	-	U32
50013	0xC35D	4	See "Code table" tab for more details	-	U64_HEX
50017	0xC361	1	Customization data loaded (True/False)	-	U8
50018	0xC362	1	Product version (Major)	-	U16
50019	0xC363	1	Product version (Minor)	-	U16
50020	0xC364	1	Product version (Revision)	-	U16
50021	0xC365	1	Product version (Build)	-	U16
50022	0xC366	3	Product build date	-	DATETIME_3
50025	0xC369	1	Software technical base version (Major)	-	U16
50026	0xC36A	1	Software technical base version (Minor)	-	U16
50027	0xC36B	1	Software technical base version (Revision)	-	U16
50028	0xC36C	1	Customization version (Major)	-	U16
50029	0xC36D	1	Customization version (Minor)	-	U16
50030	0xC36E	4	Product VLO (EX : "880100")	-	STRING_NORM
50034	0xC372	4	Customization VLO (EX : "880700")	-	STRING_NORM
50038	0xC376	4	Software technical base VLO (EX : "880600")	-	STRING_NORM
50042	0xC37A	8	Vendor name (EX : "SOCOMECE")	-	STRING_NORM
50050	0xC382	8	Product name (EX : "PMD EE")	-	STRING_NORM
50058	0xC38A	8	Extended name	-	STRING_NORM
50066	0xC392	1	Resource version (Build 2)	-	U16
50067	0xC393	2	Net ID	-	U32_HEX

Identification by blinking LED

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57864	0xE208	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
57864	0xE208	1	Action 1 : Start blinking	-	U16

Visualization

ATS Status

Status

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20480	0x5000	Info	15	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
20480	0x5000	2	Date & Time Current	-	DATETIME
20482	0x5002	1	Operating Mode 0x0010 : Auto Mode 0x0020 : Manu Mode 0x0040 : Inhibit Mode	-	U16_HEX
20483	0x5003	1	Switch Position 0 : Unknown 1 : Position 0 2 : Position 1 3 : Position 2	-	U8
20484	0x5004	1	Source 1 Start Generator relay State 0 : Not active 1 : Active	-	U8
20485	0x5005	1	Source 2 Start Generator relay State 0 : Not Active 1 : Active	-	U8
20486	0x5006	1	Priority 0 : Network 1 : Source 1 2 : Source 2	-	U8
20487	0x5007	1	Source1 State 0 : Under Threshold BusBar 1 : Present 2 : Available	-	U8
20488	0x5008	1	Source2 State 0 : Under Threshold BusBar 1 : Present 2 : Available	-	U8
20489	0x5009	1	Test in progress 0x0000 : None 0x0001 : TOF 0x0002 : EOF 0x0004 : TON 0x0008 : EON	-	U16_HEX
20490	0x500A	1	Alarm / Fault summary 0 : None 1 : Alarm 2 : Fault 3 : Alarm + Fault	-	U8
20491	0x500B	1	Active Fault (with highest priority) 0 : None 1 : Unexpected Transfer 2 : Failed to Transfer 3 : Operating Factor Fault 4 : Max PWD Attempts 5 : Genset Failed to Start 6 : External Fault	-	U16
20492	0x500C	1	Last Switch over cause 0 : None 1 : Manual 2 : Remote controlled 3 : Under voltage source 1 4 : Under voltage source 2 5 : Over voltage source 1 6 : Over voltage source 2 7 : Under Frequency source 1 8 : Under Frequency source 2 9 : Over Frequency source 1 10 : Over Frequency source 2 11 : Unbalance Source 1 12 : Unbalance Source 2 13 : Rotation Source 1 14 : Rotation Source 2	-	U8
20493	0x500D	1		-	U8

			Product is available 0 : Not available 1 : Available		
20494	0x500E	1	Source Inhibition state 0 : No inhibition 1 : S1 Inhibited 2 : S2 Inhibited 3 : Both source inhibited	-	U8

Timer state

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
21248	0x5300	Info	36	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
21248	0x5300	2	Date & Time Current	s	DATETIME
21250	0x5302	1	1FT Source1 Failure Timer	s 10 ⁻¹	U16
21251	0x5303	1	1RT Source1 Available/Return Timer	s	U16
21252	0x5304	1	1CT Source1 Genset Cooldown timer	s	U16
21253	0x5305	1	Reserved	-	-
21254	0x5306	1	1ST Source1 Start TimeOut timer	s	U16
21255	0x5307	1	2FT Source2 Failure Timer	s 10 ⁻¹	U16
21256	0x5308	1	2RT Source2 Available/Return Timer	s	U16
21257	0x5309	1	2CT Source2 Genset Cooldown timer	s	U16
21258	0x530A	1	Reserved	-	-
21259	0x530B	1	2ST Source2 Start TimeOut timer	s	U16
21260	0x530C	1	DBT Dead Band timer	s	U16
21261	0x530D	1	Reserved	-	-
21262	0x530E	1	Limit_TOT Test on load is limited 0 : unlimited 1 : limited	-	U8
21263	0x530F	1	TOT Test on load duration timer	s	U16
21264	0x5310	1	T3T Test on load end timer	s	U16
21265	0x5311	1	Limit_TFT Test off load is limited 0 : unlimited 1 : limited	-	U8
21266	0x5312	1	TFT Test off load duration timer	s	U16
21267	0x5313	1	E1T Time before external order on load	s	U16
21268	0x5314	1	E3T Time after external order on load	s	U16
21269	0x5315	1	Limit_E2T External order on load is limited 0 : unlimited 1 : limited	-	U8
21270	0x5316	1	E2T External order on load duration	s	U16
21271	0x5317	1	E5T Time before external order off load	s	U16
21272	0x5318	1	E7T Time after external order off load	s	U16
21273	0x5319	1	Limit_E6T External order off load is limited 0 : unlimited 1 : limited	-	U8
21274	0x531A	1	E6T External order off load duration	s	U16
21275	0x531B	1	Reserved	-	-
21276	0x531C	1	Reserved	-	-
21277	0x531D	1	Reserved	-	-
21278	0x531E	1	Reserved	-	-
21279	0x531F	1	Reserved	-	-
21280	0x5320	1	Reserved	-	-
21281	0x5321	1	Reserved	-	-
21282	0x5322	1	Reserved	-	-
21283	0x5323	1	Reserved	-	-

Measure

Network

Network Inst Source #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
36864	0x9000	Info	37	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
36864	0x9000	2	Date of last instance	s	DATETIME
36866	0x9002	1	Integration time	s / 5	U16
36867	0x9003	2	System Ph-N Voltage	V 10 ⁻²	U32
36869	0x9005	2	System Ph-Ph Voltage	V 10 ⁻²	U32
36871	0x9007	2	Frequency	mHz	U32
36873	0x9009	2	Ph-N Voltage : V1	V 10 ⁻²	U32
36875	0x900B	2	Ph-N Voltage : V2	V 10 ⁻²	U32
36877	0x900D	2	Ph-N Voltage : V3	V 10 ⁻²	U32
36879	0x900F	2	Ph-N Voltage : Vn	V 10 ⁻²	U32
36881	0x9011	2	Ph-Ph Voltage : U12	V 10 ⁻²	U32
36883	0x9013	2	Ph-Ph Voltage : U23	V 10 ⁻²	U32
36885	0x9015	2	Ph-Ph Voltage : U31	V 10 ⁻²	U32
36887	0x9017	2	Vdir	V 10 ⁻²	U32
36889	0x9019	2	Vinv	V 10 ⁻²	U32
36891	0x901B	2	Vhom	V 10 ⁻²	U32
36893	0x901D	1	Vnb	% / 100	U16
36894	0x901E	2	Udir	V 10 ⁻²	U32
36896	0x9020	2	Uinv	V 10 ⁻²	U32
36898	0x9022	1	Unb	% / 100	U16
36899	0x9023	1	Vnba	% / 100	U16
36900	0x9024	1	Unba	% / 100	U16

Network Inst Source #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
36908	0x902C	Info	37	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
36908	0x902C	2	Date of last instance	s	DATETIME
36910	0x902E	1	Integration time	s / 5	U16
36911	0x902F	2	System Ph-N Voltage	V 10 ⁻²	U32
36913	0x9031	2	System Ph-Ph Voltage	V 10 ⁻²	U32
36915	0x9033	2	Frequency	mHz	U32
36917	0x9035	2	Ph-N Voltage : V1	V 10 ⁻²	U32
36919	0x9037	2	Ph-N Voltage : V2	V 10 ⁻²	U32
36921	0x9039	2	Ph-N Voltage : V3	V 10 ⁻²	U32
36923	0x903B	2	Ph-N Voltage : Vn	V 10 ⁻²	U32
36925	0x903D	2	Ph-Ph Voltage : U12	V 10 ⁻²	U32
36927	0x903F	2	Ph-Ph Voltage : U23	V 10 ⁻²	U32
36929	0x9041	2	Ph-Ph Voltage : U31	V 10 ⁻²	U32
36931	0x9043	2	Vdir	V 10 ⁻²	U32
36933	0x9045	2	Vinv	V 10 ⁻²	U32
36935	0x9047	2	Vhom	V 10 ⁻²	U32
36937	0x9049	1	Vnb	% / 100	U16
36938	0x904A	2	Udir	V 10 ⁻²	U32
36940	0x904C	2	Uinv	V 10 ⁻²	U32
36942	0x904E	1	Unb	% / 100	U16
36943	0x904F	1	Vnba	% / 100	U16
36944	0x9050	1	Unba	% / 100	U16

Network Inst. Fundamental Source #1

		Type	Size	Lock level	Locked fcts	Unlocked fcts
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Dec start address	Hex start address					
37120	0x9100	Info	24	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
37120	0x9100	2	Date of last instance	s	DATETIME
37122	0x9102	1	Integration time	s / 5	U16
37123	0x9103	2	Ph-N voltage: V1h1	V 10 ⁻²	U32
37125	0x9105	2	Ph-N voltage: V2h1	V 10 ⁻²	U32
37127	0x9107	2	Ph-N voltage: V3h1	V 10 ⁻²	U32
37129	0x9109	2	Ph-N voltage: Vnh1	V 10 ⁻²	U32
37131	0x910B	1	Ph-N voltage phase: pHV1h1	? / 10	S16
37132	0x910C	1	Ph-N voltage phase: pHV2h1	? / 10	S16
37133	0x910D	1	Ph-N voltage phase: pHV3h1	? / 10	S16
37134	0x910E	1	Ph-N voltage phase: pHVnh1	? / 10	S16
37135	0x910F	2	Ph-Ph voltage: U12h1	V 10 ⁻²	U32
37137	0x9111	2	Ph-Ph voltage: U23h1	V 10 ⁻²	U32
37139	0x9113	2	Ph-Ph voltage: U31h1	V 10 ⁻²	U32
37141	0x9115	1	Ph-Ph voltage phase: pHU12h1	? / 10	S16
37142	0x9116	1	Ph-Ph voltage phase: pHU23h1	? / 10	S16
37143	0x9117	1	Ph-Ph voltage phase: pHU31h1	? / 10	S16

Network Inst. Fundamental Source #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
37296	0x91B0	Info	24	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
37296	0x91B0	2	Date of last instance	s	DATETIME
37298	0x91B2	1	Integration time	s / 5	U16
37299	0x91B3	2	Ph-N voltage: V1h1	V 10 ⁻²	U32
37301	0x91B5	2	Ph-N voltage: V2h1	V 10 ⁻²	U32
37303	0x91B7	2	Ph-N voltage: V3h1	V 10 ⁻²	U32
37305	0x91B9	2	Ph-N voltage: Vnh1	V 10 ⁻²	U32
37307	0x91BB	1	Ph-N voltage phase: pHV1h1	? / 10	S16
37308	0x91BC	1	Ph-N voltage phase: pHV2h1	? / 10	S16
37309	0x91BD	1	Ph-N voltage phase: pHV3h1	? / 10	S16
37310	0x91BE	1	Ph-N voltage phase: pHVnh1	? / 10	S16
37311	0x91BF	2	Ph-Ph voltage: U12h1	V 10 ⁻²	U32
37313	0x91C1	2	Ph-Ph voltage: U23h1	V 10 ⁻²	U32
37315	0x91C3	2	Ph-Ph voltage: U31h1	V 10 ⁻²	U32
37317	0x91C5	1	Ph-Ph voltage phase: pHU12h1	? / 10	S16
37318	0x91C6	1	Ph-Ph voltage phase: pHU23h1	? / 10	S16
37319	0x91C7	1	Ph-Ph voltage phase: pHU31h1	? / 10	S16

Input Output

Logical Input #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11520	0x2D00	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11520	0x2D00	1	Input function 0 : --- - None 4 : ALO - Alarm Logical In 5 : AACK - Alarm Acknowledge 21 : INH - Inhibition	-	U8

			22 : INHP - Partial Inhibition 23 : INHT - Total Inhibition 24 : TON - Test on load 25 : TOF - Test off load 26 : EON - External order on load 27 : EOF - External order off load 28 : MRT - Manual Retransfer 29 : PRI - Change Priority 30 : SS1 - Validation Stabilization source 1 31 : SS2 - Validation Stabilization source 2 32 : ALE - External Alarm 33 : FTE - External Fault 36 : MSR - Priority test on load 37 : OA1 - Override source 1 available 38 : OA2 - Override source 2 available 39 : OU1 - Override source 1 unavailable 40 : OU2 - Override source 2 unavailable 41 : RST - Reset faults state 43 : AC1 - Switch position 1 44 : AC2 - Switch position 2 45 : AC0 - Switch position 0 46 : AC0A - Switch A position 0 47 : AC0B - Switch B position 0 48 : MAN - RTSE in manual mode 49 : LCK - RTSE locked 50 : CHP - Change Position 53 : PS1 - Go to position 1 54 : PS2 - Go to position 2 55 : PS0 - Go to position 0 57 : BLK - Interlocking blocked 58 : TP1 - Trip S1 59 : TP2 - Trip S2 61 : EST - Emergency Stop 64 : BCT - Bypass Current Timer 255 : eFctMultiple		
11521	0x2D01	1	Input State 0 : Deactivated 1 : Activated	-	U8

Logical Input #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11522	0x2D02	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11522	0x2D02	1	Input function 0 : --- - None 4 : ALO - Alarm Logical In 5 : AACK - Alarm Aknowledge 21 : INH - Inhibition 22 : INHP - Partial Inhibition 23 : INHT - Total Inhibition 24 : TON - Test on load 25 : TOF - Test off load 26 : EON - External order on load 27 : EOF - External order off load 28 : MRT - Manual Retransfer 29 : PRI - Change Priority 30 : SS1 - Validation Stabilization source 1 31 : SS2 - Validation Stabilization source 2 32 : ALE - External Alarm 33 : FTE - External Fault 36 : MSR - Priority test on load 37 : OA1 - Override source 1 available 38 : OA2 - Override source 2 available 39 : OU1 - Override source 1 unavailable 40 : OU2 - Override source 2 unavailable 41 : RST - Reset faults state 43 : AC1 - Switch position 1 44 : AC2 - Switch position 2 45 : AC0 - Switch position 0 46 : AC0A - Switch A position 0 47 : AC0B - Switch B position 0 48 : MAN - RTSE in manual mode 49 : LCK - RTSE locked 50 : CHP - Change Position 53 : PS1 - Go to position 1 54 : PS2 - Go to position 2 55 : PS0 - Go to position 0 57 : BLK - Interlocking blocked 58 : TP1 - Trip S1	-	U8

			59 : TP2 - Trip S2 61 : EST - Emergency Stop 64 : BCT - Bypass Current Timer 255 : eFctMultiple		
11523	0x2D03	1	Input State 0 : Deactivated 1 : Activated	-	U8

Logical Input #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11524	0x2D04	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11524	0x2D04	1	Input function 0 : --- - None 4 : ALO - Alarm Logical In 5 : AACK - Alarm Aknowledge 21 : INH - Inhibition 22 : INHP - Partial Inhibition 23 : INHT - Total Inhibition 24 : TON - Test on load 25 : TOF - Test off load 26 : EON - External order on load 27 : EOF - External order off load 28 : MRT - Manual Retransfer 29 : PRI - Change Priority 30 : SS1 - Validation Stabilization source 1 31 : SS2 - Validation Stabilization source 2 32 : ALE - External Alarm 33 : FTE - External Fault 36 : MSR - Priority test on load 37 : OA1 - Override source 1 available 38 : OA2 - Override source 2 available 39 : OU1 - Override source 1 unavailable 40 : OU2 - Override source 2 unavailable 41 : RST - Reset faults state 43 : AC1 - Switch position 1 44 : AC2 - Switch position 2 45 : AC0 - Switch position 0 46 : AC0A - Switch A position 0 47 : AC0B - Switch B position 0 48 : MAN - RTSE in manual mode 49 : LCK - RTSE locked 50 : CHP - Change Position 53 : PS1 - Go to position 1 54 : PS2 - Go to position 2 55 : PS0 - Go to position 0 57 : BLK - Interlocking blocked 58 : TP1 - Trip S1 59 : TP2 - Trip S2 61 : EST - Emergency Stop 64 : BCT - Bypass Current Timer 255 : eFctMultiple	-	U8
11525	0x2D05	1	Input State 0 : Deactivated 1 : Activated	-	U8

Logical Input #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11526	0x2D06	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11526	0x2D06	1	Input function 0 : --- - None 4 : ALO - Alarm Logical In 5 : AACK - Alarm Aknowledge 21 : INH - Inhibition 22 : INHP - Partial Inhibition 23 : INHT - Total Inhibition 24 : TON - Test on load 25 : TOF - Test off load 26 : EON - External order on load 27 : EOF - External order off load 28 : MRT - Manual Retransfer	-	U8

			29 : PRI - Change Priority 30 : SS1 - Validation Stabilization source 1 31 : SS2 - Validation Stabilization source 2 32 : ALE - External Alarm 33 : FTE - External Fault 36 : MSR - Priority test on load 37 : OA1 - Override source 1 available 38 : OA2 - Override source 2 available 39 : OU1 - Override source 1 unavailable 40 : OU2 - Override source 2 unavailable 41 : RST - Reset faults state 43 : AC1 - Switch position 1 44 : AC2 - Switch position 2 45 : AC0 - Switch position 0 46 : AC0A - Switch A position 0 47 : AC0B - Switch B position 0 48 : MAN - RTSE in manual mode 49 : LCK - RTSE locked 50 : CHP - Change Position 53 : PS1 - Go to position 1 54 : PS2 - Go to position 2 55 : PS0 - Go to position 0 57 : BLK - Interlocking blocked 58 : TP1 - Trip S1 59 : TP2 - Trip S2 61 : EST - Emergency Stop 64 : BCT - Bypass Current Timer 255 : eFctMultiple		
11527	0x2D07	1	Input State 0 : Deactivated 1 : Activated	-	U8

Logical Input #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11528	0x2D08	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11528	0x2D08	1	Input function 0 : --- - None 4 : ALO - Alarm Logical In 5 : AACK - Alarm Aknowledge 21 : INH - Inhibition 22 : INHP - Partial Inhibition 23 : INHT - Total Inhibition 24 : TON - Test on load 25 : TOF - Test off load 26 : EON - External order on load 27 : EOF - External order off load 28 : MRT - Manual Retransfer 29 : PRI - Change Priority 30 : SS1 - Validation Stabilization source 1 31 : SS2 - Validation Stabilization source 2 32 : ALE - External Alarm 33 : FTE - External Fault 36 : MSR - Priority test on load 37 : OA1 - Override source 1 available 38 : OA2 - Override source 2 available 39 : OU1 - Override source 1 unavailable 40 : OU2 - Override source 2 unavailable 41 : RST - Reset faults state 43 : AC1 - Switch position 1 44 : AC2 - Switch position 2 45 : AC0 - Switch position 0 46 : AC0A - Switch A position 0 47 : AC0B - Switch B position 0 48 : MAN - RTSE in manual mode 49 : LCK - RTSE locked 50 : CHP - Change Position 53 : PS1 - Go to position 1 54 : PS2 - Go to position 2 55 : PS0 - Go to position 0 57 : BLK - Interlocking blocked 58 : TP1 - Trip S1 59 : TP2 - Trip S2 61 : EST - Emergency Stop 64 : BCT - Bypass Current Timer 255 : eFctMultiple	-	U8
11529	0x2D09	1	Input State 0 : Deactivated 1 : Activated	-	U8

Logical Input #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11530	0x2D0A	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11530	0x2D0A	1	Input function 0 : --- - None 4 : ALO - Alarm Logical In 5 : AACK - Alarm Aknowledge 21 : INH - Inhibition 22 : INHP - Partial Inhibition 23 : INHT - Total Inhibition 24 : TON - Test on load 25 : TOF - Test off load 26 : EON - External order on load 27 : EOF - External order off load 28 : MRT - Manual Retransfer 29 : PRI - Change Priority 30 : SS1 - Validation Stabilization source 1 31 : SS2 - Validation Stabilization source 2 32 : ALE - External Alarm 33 : FTE - External Fault 36 : MSR - Priority test on load 37 : OA1 - Override source 1 available 38 : OA2 - Override source 2 available 39 : OU1 - Override source 1 unavailable 40 : OU2 - Override source 2 unavailable 41 : RST - Reset faults state 43 : AC1 - Switch position 1 44 : AC2 - Switch position 2 45 : AC0 - Switch position 0 46 : AC0A - Switch A position 0 47 : AC0B - Switch B position 0 48 : MAN - RTSE in manual mode 49 : LCK - RTSE locked 50 : CHP - Change Position 53 : PS1 - Go to position 1 54 : PS2 - Go to position 2 55 : PS0 - Go to position 0 57 : BLK - Interlocking blocked 58 : TP1 - Trip S1 59 : TP2 - Trip S2 61 : EST - Emergency Stop 64 : BCT - Bypass Current Timer 255 : eFctMultiple	-	U8
11531	0x2D0B	1	Input State 0 : Deactivated 1 : Activated	-	U8

Logical Inputs All

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11248	0x2BF0	Info	7	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11248	0x2BF0	1	Inputs number	-	U16
11249	0x2BF1	2	Bit x : Input x Available (1)/Not available (0)	-	U32_HEX
11251	0x2BF3	2	Bit x : Input x Activated (1)/Deactivated (0)	-	U32_HEX
11253	0x2BF5	2	Bit x : Input x NC (1)/NO (0)	-	U32_HEX

Logical Output (start gen) #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11600	0x2D50	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11600	0x2D50	1	Output function 0 : --- - None	-	U8

			6 : ARO - Alarm Report Output 75 : GS1 - Genset Source 1 start 76 : GS2 - Genset Source 2 start 77 : S1A - Source 1 available 78 : S2A - Source 2 available 79 : SCA - At Least 1 source avail 80 : S1U - Source 1 unavailable 81 : S2U - Source 2 unavailable 82 : AC1 - Source 1 closed 83 : AC2 - Source 2 closed 84 : AC0 - Off Position 88 : FLT - Faults active 94 : ROS - TON or EON in progress 109 : AUD - Critical Alarm Active 255 : eFctMultiple		
11601	0x2D51	1	Output State 0 : Deactivated 1 : Activated	-	U8

Logical Output (start gen) #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11616	0x2D60	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11616	0x2D60	1	Output function 0 : --- - None 6 : ARO - Alarm Report Output 75 : GS1 - Genset Source 1 start 76 : GS2 - Genset Source 2 start 77 : S1A - Source 1 available 78 : S2A - Source 2 available 79 : SCA - At Least 1 source avail 80 : S1U - Source 1 unavailable 81 : S2U - Source 2 unavailable 82 : AC1 - Source 1 closed 83 : AC2 - Source 2 closed 84 : AC0 - Off Position 88 : FLT - Faults active 94 : ROS - TON or EON in progress 109 : AUD - Critical Alarm Active 255 : eFctMultiple	-	U8
11617	0x2D61	1	Output State 0 : Deactivated 1 : Activated	-	U8

Logical Output (start gen) #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11632	0x2D70	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11632	0x2D70	1	Output function 0 : --- - None 6 : ARO - Alarm Report Output 75 : GS1 - Genset Source 1 start 76 : GS2 - Genset Source 2 start 77 : S1A - Source 1 available 78 : S2A - Source 2 available 79 : SCA - At Least 1 source avail 80 : S1U - Source 1 unavailable 81 : S2U - Source 2 unavailable 82 : AC1 - Source 1 closed 83 : AC2 - Source 2 closed 84 : AC0 - Off Position 88 : FLT - Faults active 94 : ROS - TON or EON in progress 109 : AUD - Critical Alarm Active 255 : eFctMultiple	-	U8
11633	0x2D71	1	Output State 0 : Deactivated 1 : Activated	-	U8

Logical Output (start gen) #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11648	0x2D80	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11648	0x2D80	1	Output function 0 : --- - None 6 : ARO - Alarm Report Output 75 : GS1 - Genset Source 1 start 76 : GS2 - Genset Source 2 start 77 : S1A - Source 1 available 78 : S2A - Source 2 available 79 : SCA - At Least 1 source avail 80 : S1U - Source 1 unavailable 81 : S2U - Source 2 unavailable 82 : AC1 - Source 1 closed 83 : AC2 - Source 2 closed 84 : AC0 - Off Position 88 : FLT - Faults active 94 : ROS - TON or EON in progress 109 : AUD - Critical Alarm Active 255 : eFctMultiple	-	U8
11649	0x2D81	1	Output State 0 : Deactivated 1 : Activated	-	U8

Logical Outputs All

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11280	0x2C10	Info	7	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
11280	0x2C10	1	Outputs number	-	U16
11281	0x2C11	2	Bit x : Output x Available (1)/Not available (0)	-	U32_HEX
11283	0x2C13	2	Bit x : Output x Activated (1)/Deactivated (0)	-	U32_HEX
11285	0x2C15	2	Bit x : Output x NC (1)/NO (0)	-	U32_HEX

Relay informations #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
16464	0x4050	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
16464	0x4050	1	Output Relay function 0 : --- - None 6 : ARO - Alarm Report Output 70 : PO1 - Switch to pos 1 71 : PO2 - Switch to pos 2 72 : PO0 - Switch to pos 0 73 : PA0 - Switch A to pos 0 (S1) 74 : PB0 - Switch B to pos 0 (S2) 77 : S1A - Source 1 available 78 : S2A - Source 2 available 79 : SCA - At Least 1 source avail 80 : S1U - Source 1 unavailable 81 : S2U - Source 2 unavailable 82 : AC1 - Source 1 closed 83 : AC2 - Source 2 closed 84 : AC0 - Off Position 88 : FLT - Faults active 94 : ROS - TON or EON in progress 109 : AUD - Critical Alarm Active 255 : eFctMultiple	-	U8
16465	0x4051	1	Output Relay State 0 : Deactivated 1 : Activated	-	U8

Relay informations #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
16472	0x4058	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
16472	0x4058	1	Output Relay function 0 : --- - None 6 : ARO - Alarm Report Output 70 : PO1 - Switch to pos 1 71 : PO2 - Switch to pos 2 72 : PO0 - Switch to pos 0 73 : PA0 - Switch A to pos 0 (S1) 74 : PB0 - Switch B to pos 0 (S2) 77 : S1A - Source 1 available 78 : S2A - Source 2 available 79 : SCA - At Least 1 source avail 80 : S1U - Source 1 unavailable 81 : S2U - Source 2 unavailable 82 : AC1 - Source 1 closed 83 : AC2 - Source 2 closed 84 : AC0 - Off Position 88 : FLT - Faults active 94 : ROS - TON or EON in progress 109 : AUD - Critical Alarm Active 255 : eFctMultiple	-	U8
16473	0x4059	1	Output Relay State 0 : Deactivated 1 : Activated	-	U8

Relay informations #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
16480	0x4060	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
16480	0x4060	1	Output Relay function 0 : --- - None 6 : ARO - Alarm Report Output 70 : PO1 - Switch to pos 1 71 : PO2 - Switch to pos 2 72 : PO0 - Switch to pos 0 73 : PA0 - Switch A to pos 0 (S1) 74 : PB0 - Switch B to pos 0 (S2) 77 : S1A - Source 1 available 78 : S2A - Source 2 available 79 : SCA - At Least 1 source avail 80 : S1U - Source 1 unavailable 81 : S2U - Source 2 unavailable 82 : AC1 - Source 1 closed 83 : AC2 - Source 2 closed 84 : AC0 - Off Position 88 : FLT - Faults active 94 : ROS - TON or EON in progress 109 : AUD - Critical Alarm Active 255 : eFctMultiple	-	U8
16481	0x4061	1	Output Relay State 0 : Deactivated 1 : Activated	-	U8

Relay informations #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
16488	0x4068	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
16488	0x4068	1	Output Relay function 0 : --- - None 6 : ARO - Alarm Report Output 70 : PO1 - Switch to pos 1 71 : PO2 - Switch to pos 2	-	U8

			72 : PO0 - Switch to pos 0 73 : PA0 - Switch A to pos 0 (S1) 74 : PB0 - Switch B to pos 0 (S2) 77 : S1A - Source 1 available 78 : S2A - Source 2 available 79 : SCA - At Least 1 source avail 80 : S1U - Source 1 unavailable 81 : S2U - Source 2 unavailable 82 : AC1 - Source 1 closed 83 : AC2 - Source 2 closed 84 : AC0 - Off Position 88 : FLT - Faults active 94 : ROS - TON or EON in progress 109 : AUD - Critical Alarm Active 255 : eFctMultiple		
16489	0x4069	1	Output Relay State 0 : Deactivated 1 : Activated	-	U8

Statistics

Operating hours counters

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
512	0x0200	Info	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
512	0x0200	2	Total operating hours counter	s	U32
514	0x0202	2	Partial operating hours counter	s	U32

Product Time meters

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
23296	0x5B00	Info	30	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
23296	0x5B00	2	Total time in position 1	s	U32
23298	0x5B02	2	User partial time in position 1	s	U32
23300	0x5B04	2	Time in position 1 since last commutation	s	U32
23302	0x5B06	2	Total time load supplied by source 1	s	U32
23304	0x5B08	2	Total time in position 2	s	U32
23306	0x5B0A	2	User partial time in position 2	s	U32
23308	0x5B0C	2	Time in position 2 since last commutation	s	U32
23310	0x5B0E	2	Total time load supplied by source 2	s	U32
23312	0x5B10	2	Start order active duration Genset source 1	s	U32
23314	0x5B12	2	Start order active duration Genset source 2	s	U32
23316	0x5B14	1	Start order activation counter Genset source 1	-	U16
23317	0x5B15	1	Start order activation counter Genset source 2	-	U16
23318	0x5B16	2	Engine Run Time Source 1	s	U32
23320	0x5B18	2	Engine Run Time - On Load - Source 1	s	U32
23322	0x5B1A	2	Engine Run Time Source 2	s	U32
23324	0x5B1C	2	Engine Run Time - On Load - Source 2	s	U32

Switch counters

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
23552	0x5C00	Info	15	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
23552	0x5C00	2	Switch Operating hours counter	s	U32
23554	0x5C02	1	Total Cycles counter	-	U16

23555	0x5C03	1	Cycles in auto mode	-	U16
23556	0x5C04	1	Cycles in remote control mode	-	U16
23557	0x5C05	1	Total switches counter	-	U16
23558	0x5C06	1	Total Position 0 switches counter	-	U16
23559	0x5C07	1	Total Position 1 switches counter	-	U16
23560	0x5C08	1	Total Position 2 switches counter	-	U16
23561	0x5C09	1	Position 0 switches in auto mode counter	-	U16
23562	0x5C0A	1	Position 1 switches in auto mode counter	-	U16
23563	0x5C0B	1	Position 2 switches in auto mode counter	-	U16
23564	0x5C0C	1	Position 0 switches in control mode counter	-	U16
23565	0x5C0D	1	Position 1 switches in control mode counter	-	U16
23566	0x5C0E	1	Position 2 switches in control mode counter	-	U16

Diagnostic

Source NetCnx computed #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
12320	0x3020	Info	9	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
12320	0x3020	1	Computed : Network connection type 0 : Not computed 1 : 1P + N 2 : 2P 3 : 2P + N 4 : 3P 5 : 3P + N	-	U8
12321	0x3021	2	Computed : Nominal Voltage	V	U32
12323	0x3023	1	Computed : Nominal Frequency 0 : 50 Hz - eDefFnom_50Hz 1 : 60 Hz - eDefFnom_60Hz 2 : NU - Error	-	U8
12324	0x3024	1	Computed : Phase rotation 0 : V1 - V2 - V3 1 : V1 - V3 - V2	-	U8
12325	0x3025	1	Diagnosticated : Network connection type 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
12326	0x3026	1	Diagnosticated : Nominal Voltage 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
12327	0x3027	1	Diagnosticated : Nominal Frequency 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
12328	0x3028	1	Diagnosticated : Phase rotation 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8

Source NetCnx computed #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
12330	0x302A	Info	9	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
12330	0x302A	1	Computed : Network connection type 0 : Not computed 1 : 1P + N 2 : 2P 3 : 2P + N 4 : 3P 5 : 3P + N	-	U8
12331	0x302B	2	Computed : Nominal Voltage	V	U32

12333	0x302D	1	Computed : Nominal Frequency 0 : 50 Hz - eDefFnom_50Hz 1 : 60 Hz - eDefFnom_60Hz 2 : NU - Error	-	U8
12334	0x302E	1	Computed : Phase rotation 0 : V1 - V2 - V3 1 : V1 - V3 - V2	-	U8
12335	0x302F	1	Diagnosticated : Network connection type 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
12336	0x3030	1	Diagnosticated : Nominal Voltage 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
12337	0x3031	1	Diagnosticated : Nominal Frequency 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8
12338	0x3032	1	Diagnosticated : Phase rotation 0 : Not Diagnosticated 1 : NOK 2 : OK	-	U8

Modbus diag

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
880	0x0370	Info	8	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
880	0x0370	2	RS SlaveRxRequestCnt	-	U32
882	0x0372	2	RS SlaveTxRequestCnt	-	U32
884	0x0374	2	RS SlaveErrorCnt	-	U32

Modbus diag reset

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
879	0x036F	Commands	1	USER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
879	0x036F	1	Modbus diag reset 0 : No action 1 : Reset statistics	-	U16

Log

Events log

Command

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4720	0x1270	Command	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4720	0x1270	1	Start record number (0 to 65534) or 65535 for last record	-	U16

Header

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4736	0x1280	Header	3	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
4736	0x1280	1	Next record number	-	U16

4737	0x1281	1	Items count (max 3 per request)	-	U16
4738	0x1282	1	Item size (words)	-	U16

Data

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4739	0x1283	Data	8	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
4739	0x1283	1	Event ID 0x1102 : BET in default 0x1103 : BET not present 0x1105 : StartGen relay fault 0x2001 : Source 1 Lost 0x2002 : Source 1 comes back 0x2003 : Source 1 not started (1ST / 2ST) 0x2004 : Source 1 Undervoltage 0x2005 : Source 1 Overvoltage 0x2006 : Source 1 Unbalanced 0x2007 : Source 1 Underfrequency 0x2008 : Source 1 Overfrequency 0x2009 : Source 1 Rotation fault 0x200A : Source 1 Neutral fault 0x200B : External fault with zero return source 1 0x200C : External fault without zero return source 1 0x200D : Source 1 Overload 0x200E : Source 1 Inhibit Start 0x200F : Source 1 Inhibit Stop 0x2101 : Source 2 Lost 0x2102 : Source 2 comes back 0x2103 : Source 2 not started (1ST / 2ST) 0x2104 : Source 2 Undervoltage 0x2105 : Source 2 Overvoltage 0x2106 : Source 2 Unbalanced 0x2107 : Source 2 Underfrequency 0x2108 : Source 2 Overfrequency 0x2109 : Source 2 Rotation fault 0x210A : Source 2 Neutral fault 0x210B : External fault with zero return source 2 0x210C : External fault without zero return source 2 0x210D : Source 2 Overload 0x210E : Source 2 Inhibit Start 0x210F : Source 2 Inhibit Stop 0x2201 : Test on load start 0x2202 : Test on load end 0x2203 : Test on load failed 0x2204 : Test off load start 0x2205 : Test off load end 0x2206 : Test off load failed 0x2207 : External order on load start 0x2208 : External order on load end 0x2209 : External order on load failed 0x220A : External order off load start 0x220B : External order off load end 0x220C : External order off load failed 0x220D : Battery charger start 0x220E : Battery charger end 0x220F : Unlimited TOF/TOL stopped because of communication timeout 0x2301 : Automatic switch to position 0 0x2302 : Automatic switch to position 1 0x2303 : Automatic switch to position 2 0x2304 : Manual switch to position 0 0x2305 : Manual switch to position 1 0x2306 : Manual switch to position 2 0x2307 : Remote controlled switch to position 0 0x2308 : Remote controlled switch to position 1 0x2309 : Remote controlled switch to position 2 0x230A : Operating Factor Fault 0x230B : Position 0 not reached 0x230C : Position 1 not reached 0x230D : Position 2 not reached 0x230E : Unexpected switch to pos 0 when in auto mode 0x230F : Unexpected switch to pos 1 when in auto mode 0x2310 : Unexpected switch to pos 2 when in auto mode 0x2311 : Unexpected switch to pos 0 when in locked mode 0x2312 : Unexpected switch to pos 1 when in locked mode 0x2313 : Unexpected switch to pos 2 when in locked mode 0x2314 : In Phase Transfer Bypassed 0x2315 : In Phase Transfer Inhibited 0x2316 : In Phase Transfer Start 0x2317 : In Phase Transfer End 0x2401 : Input/Output configuration changed	-	U16_HEX

0x2402 : Application/Timers configuration changed
0x2403 : Sources (thresholds) configuration changed
0x2404 : Communication configuration changed
0x2405 : HMI configuration changed
0x2406 : Network configuration changed
0x2409 : Default configuration loaded
0x240F : Config Change Failed
0x2410 : Password Changed
0x2412 : Load Config Changed
0x2413 : Exerciser Config Changed
0x2414 : Timer Config Changed
0x2415 : Alarm Config Changed
0x2501 : 1FT - Primary Source fail timer start
0x251D : 1FT - Primary Source fail timer
0x2502 : 1AT/1RT - Primary Source availability/return timer start
0x251E : 1AT/1RT - Primary Source availability/return timer stop
0x2503 : 1CT - Primary Source cooldown timer start
0x251F : 1CT - Primary Source cooldown timer stop
0x2504 : 10T - Primary Source return to 0 timer start
0x2520 : 10T - Primary Source return to 0 timer stop
0x2505 : 1ST - Primary Source wait for start timer start
0x2521 : 1ST - Primary Source wait for start timer stop
0x2506 : 1EET - Primary Source battery charger timeout start
0x2522 : 1EET - Primary Source battery charger timeout stop
0x2507 : 1EDT - Primary Source battery charger duration start
0x2523 : 1EDT - Primary Source battery charger duration stop
0x2508 : 2FT - Secondary Source fail timer start
0x2524 : 2FT - Secondary Source fail timer stop
0x2509 : 2AT/2RT - Secondary Source availability/return timer start
0x2525 : 2AT/2RT - Secondary Source availability/return timer stop
0x250A : 2CT - Secondary Source cooldown timer start
0x2526 : 2CT - Secondary Source cooldown timer stop
0x250B : 20T - Secondary Source return to 0 timer start
0x2527 : 20T - Secondary Source return to 0 timer stop
0x250C : 2ST - Secondary Source wait for start timer start
0x2528 : 2ST - Secondary Source wait for start timer stop
0x250D : 2EET - Secondary Source battery charger timeout start
0x2529 : 2EET - Secondary Source battery charger timeout stop
0x250E : 2EDT - Secondary Source battery charger duration start
0x252A : 2EDT - Secondary Source battery charger duration stop
0x250F : DBT - Dead band timer start
0x252B : DBT - Dead band timer stop
0x2510 : TOL - Test on load duration timer start
0x252C : TOL - Test on load duration timer stop
0x2511 : T3T - Test on load end timer start
0x252D : T3T - Test on load end timer stop
0x2512 : TOF - Test off load duration timer start
0x252E : TOF - Test off load duration timer stop
0x2513 : E1T - Time before external order on load start
0x252F : E1T - Time before external order on load stop
0x2514 : E3T - Time after external order on load start
0x2530 : E3T - Time after external order on load stop
0x2515 : E2T - External order on load duration start
0x2531 : E2T - External order on load duration stop
0x2516 : E5T - Time before external order off load start
0x2532 : E5T - Time before external order off load stop
0x2517 : E7T - Time after external order off load start
0x2533 : E7T - Time after external order off load stop
0x2518 : E6T - External order off load duration start
0x2534 : E6T - External order off load duration stop
0x2519 : LSD - LoadShedding_On Timer start
0x2535 : LSD - LoadShedding_On Timer stop
0x251A : LSR - LoadShedding_Off Timer start
0x2536 : LSR - LoadShedding_Off Timer stop
0x251C : StartGen idle timer start
0x2538 : StartGen idle timer stop
0x2601 : Switched to auto mode
0x2602 : Switched to manual mode
0x2603 : Switched to locked mode
0x2604 : Switched to control mode
0x2605 : Retransfer validated
0x2606 : Test off load validated
0x2607 : Alarms / Faults reset
0x2608 : Product becomes available
0x2609 : Product becomes unavailable
0x260A : Product becomes inhibited
0x260B : Product no more inhibited
0x2706 : Source 1 Time meter reset
0x270C : Source 2 Time meter reset
0x270D : Start order count reset
0x270E : Start order active duration reset
0x270F : Secondary source duration reset
0x2710 : Secondary source active duration reset
0x2711 : Source 1 load supplied duration reset
0x2712 : Source 2 load supplied duration reset
0x2713 : Cycle Counter Reset
0x2714 : Partial Position Timer Meter Counter Reset

			0x2715 : Operating Hours Counter Reset 0x2716 : Genset Stats Reset 0x2801 : Load shedding request activated 0x2802 : Load shedding request deactivated 0x2803 : Elevator activated 0x2804 : Elevator deactivated 0x2901 : Exerciser 1 Started 0x2902 : Exerciser 1 Stopped 0x2903 : Exerciser 2 Started 0x2904 : Exerciser 2 Stopped 0x2905 : Exerciser 3 Started 0x2906 : Exerciser 3 Stopped 0x2907 : Exerciser 4 Started 0x2908 : Exerciser 4 Stopped 0x4002 : Alarm Log Cleared 0x4003 : Event Log Cleared 0x4100 : Context Load Failed 0x4101 : Context Save Failed 0x4200 : Inspection Took Place 0x4201 : Passwords Reset 0x4202 : Phone Number Changed 0x4203 : Open Door 0x4204 : Product Padlocked 0x4205 : Interlock Failed 0x8000 : Power On 0x8001 : Power Off 0x8100 : Configuration changed 0x8101 : Configuration save failed 0x8102 : Configuration load failed 0x8105 : Configuration date saved 0x8106 : Configuration date save failed 0x8107 : Configuration date read failed 0x8110 : Configuration calibration read failed 0x8200 : Total Energy meters set 0x8201 : Partial Energy meters reset 0x8300 : User reset 0x8301 : Watchdog reset 0x8305 : Hard Reset 0x8306 : Device Reboot		
4740	0x1284	2	Start Date	s	DATETIME
4742	0x1286	1	Cause	-	U16_HEX
4743	0x1287	1	Status 0 : Active 1 : Finished	-	U16
4744	0x1288	1	Reserved U16	-	S16
4745	0x1289	2	Reserved U32	-	S32

Alarming

Analog-Maintenance

ALM Ana Maint Current Status #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5029	0x13A5	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5029	0x13A5	1	Ack ID	-	U16
5030	0x13A6	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5031	0x13A7	1	Alarm cause : 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single 5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or 19 : Maintenance	-	U8
5032	0x13A8	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8

5033	0x13A9	2	Start date	-	DATETIME
5035	0x13AB	2	Duration	s	U32
5037	0x13AD	2	Analog variable (ServiceID) 5206 : Total Cycle Counter 5415 : Total Switch Counter 5434 : Genset S1 Activation Time 5435 : Genset S2 Activation Time 5436 : Genset S1 On Load Time 5437 : Genset S2 On Load Time 156094 : Time Since Last Inspection	-	U32
5039	0x13AF	1	Analog variable (Instance index)	-	U16
5040	0x13B0	1	Analog variable (Instance type)	-	U16
5041	0x13B1	1	Startup delay	s / 2	U16
5042	0x13B2	1	Dropout delay	s / 2	U16
5043	0x13B3	1	Hysteresis	% / 10	U16
5044	0x13B4	4	Threshold	-	S64
5048	0x13B8	4	Min/Max	-	S64

ALM Ana Maint Current Status #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5053	0x13BD	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5053	0x13BD	1	Ack ID	-	U16
5054	0x13BE	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5055	0x13BF	1	Alarm cause : 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single 5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or 19 : Maintenance	-	U8
5056	0x13C0	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
5057	0x13C1	2	Start date	-	DATETIME
5059	0x13C3	2	Duration	s	U32
5061	0x13C5	2	Analog variable (ServiceID) 5206 : Total Cycle Counter 5415 : Total Switch Counter 5434 : Genset S1 Activation Time 5435 : Genset S2 Activation Time 5436 : Genset S1 On Load Time 5437 : Genset S2 On Load Time 156094 : Time Since Last Inspection	-	U32
5063	0x13C7	1	Analog variable (Instance index)	-	U16
5064	0x13C8	1	Analog variable (Instance type)	-	U16
5065	0x13C9	1	Startup delay	s / 2	U16
5066	0x13CA	1	Dropout delay	s / 2	U16
5067	0x13CB	1	Hysteresis	% / 10	U16
5068	0x13CC	4	Threshold	-	S64
5072	0x13D0	4	Min/Max	-	S64

ALM Ana Maint Current Status #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5077	0x13D5	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type

5077	0x13D5	1	Ack ID	-	U16
5078	0x13D6	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5079	0x13D7	1	Alarm cause : 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single 5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or 19 : Maintenance	-	U8
5080	0x13D8	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
5081	0x13D9	2	Start date	-	DATETIME
5083	0x13DB	2	Duration	s	U32
5085	0x13DD	2	Analog variable (ServiceID) 5206 : Total Cycle Counter 5415 : Total Switch Counter 5434 : Genset S1 Activation Time 5435 : Genset S2 Activation Time 5436 : Genset S1 On Load Time 5437 : Genset S2 On Load Time 156094 : Time Since Last Inspection	-	U32
5087	0x13DF	1	Analog variable (Instance index)	-	U16
5088	0x13E0	1	Analog variable (Instance type)	-	U16
5089	0x13E1	1	Startup delay	s / 2	U16
5090	0x13E2	1	Dropout delay	s / 2	U16
5091	0x13E3	1	Hysteresis	% / 10	U16
5092	0x13E4	4	Threshold	-	S64
5096	0x13E8	4	Min/Max	-	S64

ALM Ana Maint Current Status #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5101	0x13ED	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5101	0x13ED	1	Ack ID	-	U16
5102	0x13EE	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5103	0x13EF	1	Alarm cause : 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single 5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or 19 : Maintenance	-	U8
5104	0x13F0	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
5105	0x13F1	2	Start date	-	DATETIME
5107	0x13F3	2	Duration	s	U32
5109	0x13F5	2	Analog variable (ServiceID) 5206 : Total Cycle Counter 5415 : Total Switch Counter 5434 : Genset S1 Activation Time 5435 : Genset S2 Activation Time 5436 : Genset S1 On Load Time 5437 : Genset S2 On Load Time 156094 : Time Since Last Inspection	-	U32
5111	0x13F7	1	Analog variable (Instance index)	-	U16

5112	0x13F8	1	Analog variable (Instance type)	-	U16
5113	0x13F9	1	Startup delay	s / 2	U16
5114	0x13FA	1	Dropout delay	s / 2	U16
5115	0x13FB	1	Hysteresis	% / 10	U16
5116	0x13FC	4	Threshold	-	S64
5120	0x1400	4	Min/Max	-	S64

ALM Ana Maint Current Status #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5125	0x1405	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5125	0x1405	1	Ack ID	-	U16
5126	0x1406	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5127	0x1407	1	Alarm cause : 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single 5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or 19 : Maintenance	-	U8
5128	0x1408	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
5129	0x1409	2	Start date	-	DATETIME
5131	0x140B	2	Duration	s	U32
5133	0x140D	2	Analog variable (ServiceID) 5206 : Total Cycle Counter 5415 : Total Switch Counter 5434 : Genset S1 Activation Time 5435 : Genset S2 Activation Time 5436 : Genset S1 On Load Time 5437 : Genset S2 On Load Time 156094 : Time Since Last Inspection	-	U32
5135	0x140F	1	Analog variable (Instance index)	-	U16
5136	0x1410	1	Analog variable (Instance type)	-	U16
5137	0x1411	1	Startup delay	s / 2	U16
5138	0x1412	1	Dropout delay	s / 2	U16
5139	0x1413	1	Hysteresis	% / 10	U16
5140	0x1414	4	Threshold	-	S64
5144	0x1418	4	Min/Max	-	S64

ALM Ana Maint Current Status #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5149	0x141D	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5149	0x141D	1	Ack ID	-	U16
5150	0x141E	1	Status 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5151	0x141F	1	Alarm cause : 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single	-	U8

			5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or 19 : Maintenance		
5152	0x1420	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
5153	0x1421	2	Start date	-	DATETIME
5155	0x1423	2	Duration	s	U32
5157	0x1425	2	Analog variable (ServiceID) 5206 : Total Cycle Counter 5415 : Total Switch Counter 5434 : Genset S1 Activation Time 5435 : Genset S2 Activation Time 5436 : Genset S1 On Load Time 5437 : Genset S2 On Load Time 156094 : Time Since Last Inspection	-	U32
5159	0x1427	1	Analog variable (Instance index)	-	U16
5160	0x1428	1	Analog variable (Instance type)	-	U16
5161	0x1429	1	Startup delay	s / 2	U16
5162	0x142A	1	Dropout delay	s / 2	U16
5163	0x142B	1	Hysteresis	% / 10	U16
5164	0x142C	4	Threshold	-	S64
5168	0x1430	4	Min/Max	-	S64

Logical

ALM Log Current Status #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5456	0x1550	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5456	0x1550	1	Ack ID	-	U16
5457	0x1551	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5458	0x1552	1	Alarm cause : 0 : Cause Unknown 7 : Logical Active	-	U8
5459	0x1553	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
5460	0x1554	2	Start date	-	DATETIME
5462	0x1556	2	Duration	s	U32
5464	0x1558	1	Logical input 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
5465	0x1559	1	Startup delay	s / 2	U16
5466	0x155A	1	Dropout delay	s / 2	U16

ALM Log Current Status #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5467	0x155B	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5467	0x155B	1	Ack ID	-	U16

5468	0x155C	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5469	0x155D	1	Alarm cause : 0 : Cause Unknown 7 : Logical Active	-	U8
5470	0x155E	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
5471	0x155F	2	Start date	-	DATETIME
5473	0x1561	2	Duration	s	U32
5475	0x1563	1	Logical input 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
5476	0x1564	1	Startup delay	s / 2	U16
5477	0x1565	1	Dropout delay	s / 2	U16

ALM Log Current Status #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5478	0x1566	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5478	0x1566	1	Ack ID	-	U16
5479	0x1567	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5480	0x1568	1	Alarm cause : 0 : Cause Unknown 7 : Logical Active	-	U8
5481	0x1569	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
5482	0x156A	2	Start date	-	DATETIME
5484	0x156C	2	Duration	s	U32
5486	0x156E	1	Logical input 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
5487	0x156F	1	Startup delay	s / 2	U16
5488	0x1570	1	Dropout delay	s / 2	U16

ALM Log Current Status #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5489	0x1571	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5489	0x1571	1	Ack ID	-	U16
5490	0x1572	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8

5491	0x1573	1	Alarm cause : 0 : Cause Unknown 7 : Logical Active	-	U8
5492	0x1574	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
5493	0x1575	2	Start date	-	DATETIME
5495	0x1577	2	Duration	s	U32
5497	0x1579	1	Logical input 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
5498	0x157A	1	Startup delay	s / 2	U16
5499	0x157B	1	Dropout delay	s / 2	U16

System

ALM Sys Current Status #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6400	0x1900	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
6400	0x1900	1	Ack ID	-	U16
6401	0x1901	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6402	0x1902	1	Alarm Type 0 : None 1 : Net Rotation 20 : External Alarm 21 : I/O Connection Failure 22 : Controller Unavailable 23 : Load Not Supplied 9 : RTC Low Battery 24 : DC Aux. Supply Out Of Bounds	-	U8
6403	0x1903	1	Alarm cause : 0 : Cause Unknown 12 : System Active	-	U8
6404	0x1904	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6405	0x1905	2	Start date	-	DATETIME
6407	0x1907	2	Duration	s	U32
6409	0x1909	1	Startup delay	s / 2	U16
6410	0x190A	1	Dropout delay	s / 2	U16
6411	0x190B	2	SpeData 1	-	U32
6413	0x190D	1	SpeData 5	-	U16
6414	0x190E	1	SpeData 6	-	U16
6415	0x190F	4	SpeData 7	-	S64
6419	0x1913	4	SpeData 8	-	S64

ALM Sys Current Status #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6423	0x1917	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type

6423	0x1917	1	Ack ID	-	U16
6424	0x1918	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6425	0x1919	1	Alarm Type 0 : None 1 : Net Rotation 20 : External Alarm 21 : I/O Connection Failure 22 : Controller Unavailable 23 : Load Not Supplied 9 : RTC Low Battery 24 : DC Aux. Supply Out Of Bounds	-	U8
6426	0x191A	1	Alarm cause : 0 : Cause Unknown 12 : System Active	-	U8
6427	0x191B	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6428	0x191C	2	Start date	-	DATETIME
6430	0x191E	2	Duration	s	U32
6432	0x1920	1	Startup delay	s / 2	U16
6433	0x1921	1	Dropout delay	s / 2	U16
6434	0x1922	2	SpeData 1	-	U32
6436	0x1924	1	SpeData 5	-	U16
6437	0x1925	1	SpeData 6	-	U16
6438	0x1926	4	SpeData 7	-	S64
6442	0x192A	4	SpeData 8	-	S64

ALM Sys Current Status #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6446	0x192E	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
6446	0x192E	1	Ack ID	-	U16
6447	0x192F	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6448	0x1930	1	Alarm Type 0 : None 1 : Net Rotation 20 : External Alarm 21 : I/O Connection Failure 22 : Controller Unavailable 23 : Load Not Supplied 9 : RTC Low Battery 24 : DC Aux. Supply Out Of Bounds	-	U8
6449	0x1931	1	Alarm cause : 0 : Cause Unknown 12 : System Active	-	U8
6450	0x1932	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6451	0x1933	2	Start date	-	DATETIME
6453	0x1935	2	Duration	s	U32
6455	0x1937	1	Startup delay	s / 2	U16
6456	0x1938	1	Dropout delay	s / 2	U16
6457	0x1939	2	SpeData 1	-	U32
6459	0x193B	1	SpeData 5	-	U16
6460	0x193C	1	SpeData 6	-	U16
6461	0x193D	4	SpeData 7	-	S64
6465	0x1941	4	SpeData 8	-	S64

ALM Sys Current Status #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6469	0x1945	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
6469	0x1945	1	Ack ID	-	U16
6470	0x1946	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6471	0x1947	1	Alarm Type 0 : None 1 : Net Rotation 20 : External Alarm 21 : I/O Connection Failure 22 : Controller Unavailable 23 : Load Not Supplied 9 : RTC Low Battery 24 : DC Aux. Supply Out Of Bounds	-	U8
6472	0x1948	1	Alarm cause : 0 : Cause Unknown 12 : System Active	-	U8
6473	0x1949	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6474	0x194A	2	Start date	-	DATETIME
6476	0x194C	2	Duration	s	U32
6478	0x194E	1	Startup delay	s / 2	U16
6479	0x194F	1	Dropout delay	s / 2	U16
6480	0x1950	2	SpeData 1	-	U32
6482	0x1952	1	SpeData 5	-	U16
6483	0x1953	1	SpeData 6	-	U16
6484	0x1954	4	SpeData 7	-	S64
6488	0x1958	4	SpeData 8	-	S64

ALM Sys Current Status #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6492	0x195C	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
6492	0x195C	1	Ack ID	-	U16
6493	0x195D	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6494	0x195E	1	Alarm Type 0 : None 1 : Net Rotation 20 : External Alarm 21 : I/O Connection Failure 22 : Controller Unavailable 23 : Load Not Supplied 9 : RTC Low Battery 24 : DC Aux. Supply Out Of Bounds	-	U8
6495	0x195F	1	Alarm cause : 0 : Cause Unknown 12 : System Active	-	U8
6496	0x1960	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6497	0x1961	2	Start date	-	DATETIME
6499	0x1963	2	Duration	s	U32
6501	0x1965	1	Startup delay	s / 2	U16

6502	0x1966	1	Dropout delay	s / 2	U16
6503	0x1967	2	SpeData 1	-	U32
6505	0x1969	1	SpeData 5	-	U16
6506	0x196A	1	SpeData 6	-	U16
6507	0x196B	4	SpeData 7	-	S64
6511	0x196F	4	SpeData 8	-	S64

ALM Sys Current Status #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6515	0x1973	Info	23	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
6515	0x1973	1	Ack ID	-	U16
6516	0x1974	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6517	0x1975	1	Alarm Type 0 : None 1 : Net Rotation 20 : External Alarm 21 : I/O Connection Failure 22 : Controller Unavailable 23 : Load Not Supplied 9 : RTC Low Battery 24 : DC Aux. Supply Out Of Bounds	-	U8
6518	0x1976	1	Alarm cause : 0 : Cause Unknown 12 : System Active	-	U8
6519	0x1977	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6520	0x1978	2	Start date	-	DATETIME
6522	0x197A	2	Duration	s	U32
6524	0x197C	1	Startup delay	s / 2	U16
6525	0x197D	1	Dropout delay	s / 2	U16
6526	0x197E	2	SpeData 1	-	U32
6528	0x1980	1	SpeData 5	-	U16
6529	0x1981	1	SpeData 6	-	U16
6530	0x1982	4	SpeData 7	-	S64
6534	0x1986	4	SpeData 8	-	S64

Faults

ALM Fault Current Status #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5952	0x1740	Info	9	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5952	0x1740	1	Ack ID	-	U16
5953	0x1741	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5954	0x1742	1	Alarm Type 0 : None 1 : Unexpected Transfer 2 : Failed to Transfer 3 : Operating Factor Fault 4 : Max PWD Attempts	-	U8

			5 : Genset Failed to Start 6 : External Fault		
5955	0x1743	1	Alarm cause : 0 : Cause Unknown 20 : Fault Active	-	U8
5956	0x1744	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
5957	0x1745	2	Start date	-	DATETIME
5959	0x1747	2	Duration	s	U32

ALM Fault Current Status #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5975	0x1757	Info	9	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5975	0x1757	1	Ack ID	-	U16
5976	0x1758	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
5977	0x1759	1	Alarm Type 0 : None 1 : Unexpected Transfer 2 : Failed to Transfer 3 : Operating Factor Fault 4 : Max PWD Attempts 5 : Genset Failed to Start 6 : External Fault	-	U8
5978	0x175A	1	Alarm cause : 0 : Cause Unknown 20 : Fault Active	-	U8
5979	0x175B	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
5980	0x175C	2	Start date	-	DATETIME
5982	0x175E	2	Duration	s	U32

ALM Fault Current Status #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5998	0x176E	Info	9	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
5998	0x176E	1	Ack ID	-	U16
5999	0x176F	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6000	0x1770	1	Alarm Type 0 : None 1 : Unexpected Transfer 2 : Failed to Transfer 3 : Operating Factor Fault 4 : Max PWD Attempts 5 : Genset Failed to Start 6 : External Fault	-	U8
6001	0x1771	1	Alarm cause : 0 : Cause Unknown 20 : Fault Active	-	U8
6002	0x1772	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6003	0x1773	2	Start date	-	DATETIME

6005	0x1775	2	Duration	s	U32
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ALM Fault Current Status #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6021	0x1785	Info	9	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
6021	0x1785	1	Ack ID	-	U16
6022	0x1786	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6023	0x1787	1	Alarm Type 0 : None 1 : Unexpected Transfer 2 : Failed to Transfer 3 : Operating Factor Fault 4 : Max PWD Attempts 5 : Genset Failed to Start 6 : External Fault	-	U8
6024	0x1788	1	Alarm cause : 0 : Cause Unknown 20 : Fault Active	-	U8
6025	0x1789	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6026	0x178A	2	Start date	-	DATETIME
6028	0x178C	2	Duration	s	U32

ALM Fault Current Status #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6044	0x179C	Info	9	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
6044	0x179C	1	Ack ID	-	U16
6045	0x179D	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6046	0x179E	1	Alarm Type 0 : None 1 : Unexpected Transfer 2 : Failed to Transfer 3 : Operating Factor Fault 4 : Max PWD Attempts 5 : Genset Failed to Start 6 : External Fault	-	U8
6047	0x179F	1	Alarm cause : 0 : Cause Unknown 20 : Fault Active	-	U8
6048	0x17A0	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6049	0x17A1	2	Start date	-	DATETIME
6051	0x17A3	2	Duration	s	U32

ALM Fault Current Status #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6067	0x17B3	Info	9	NONE	READ	READ

			Description	Unit	Data type
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Dec address	Hex address	Words count			
6067	0x17B3	1	Ack ID	-	U16
6068	0x17B4	1	Status : 0 : Inactive 1 : Active 2 : Finished 3 : FinishedAndAck	-	U8
6069	0x17B5	1	Alarm Type 0 : None 1 : Unexpected Transfer 2 : Failed to Transfer 3 : Operating Factor Fault 4 : Max PWD Attempts 5 : Genset Failed to Start 6 : External Fault	-	U8
6070	0x17B6	1	Alarm cause : 0 : Cause Unknown 20 : Fault Active	-	U8
6071	0x17B7	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6072	0x17B8	2	Start date	-	DATETIME
6074	0x17BA	2	Duration	s	U32

Log

ALM Log

Command

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
9120	0x23A0	Command	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
9120	0x23A0	1	Start record number (0 to 65534) or 65535 for last record	-	U16

Header

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
9136	0x23B0	Header	3	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
9136	0x23B0	1	Next record number	-	U16
9137	0x23B1	1	Items count (max 7 per request)	-	U16
9138	0x23B2	1	Item size (words)	-	U16

Data

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
9139	0x23B3	Data	21	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
9139	0x23B3	1	Alarm cause 0 : Cause Unknown 1 : Analog. High Th. Single 2 : Analog. High Th. Tri. And 3 : Analog. High Th. Tri. Or 4 : Analog. Low Th Single 5 : Analog. Low Th. Tri. And 6 : Analog. Low Th. Tri. Or 7 : Logical Active 8 : Combi. And 9 : Combi. Or 10 : EN50160 Active 11 : Inrush Active 12 : System Active	-	U16_HEX

			19 : Maintenance 20 : Fault		
9140	0x23B4	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
9141	0x23B5	2	Start date	-	DATETIME
9143	0x23B7	2	Duration	s	U32
9145	0x23B9	2	Specific data 1 (depend on alarm type)	-	U32
9147	0x23BB	1	Specific data 2 (depend on alarm type)	-	U16
9148	0x23BC	1	Specific data 3 (depend on alarm type)	-	U16
9149	0x23BD	1	Specific data 4 (depend on alarm type)	-	U16
9150	0x23BE	1	Specific data 5 (depend on alarm type)	-	U16
9151	0x23BF	1	Specific data 6 (depend on alarm type)	-	U16
9152	0x23C0	4	Specific data 7 (depend on alarm type)	-	S64
9156	0x23C4	4	Specific data 8 (depend on alarm type)	-	S64

Settings

Hour/Date

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57600	0xE100	Date/Time command	6	NONE	READ WRITE WRITE_MANY	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
57600	0xE100	1	Day	-	U8
57601	0xE101	1	Month	-	U8
57602	0xE102	1	Year	-	U8
57603	0xE103	1	Hour	-	U8
57604	0xE104	1	Minute	-	U8
57605	0xE105	1	Second	-	U8

Network and Load

Setup Network

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
12288	0x3000	Settings	10	NONE	READ WRITE WRITE_MANY	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
12288	0x3000	1	Network connection type 0 : Not defined 1 : 1P + N 2 : 2P 3 : 2P + N 4 : 3P 5 : 3P + N 7 : 3P + N / 1P + N	-	U8
12289	0x3001	2	Nominal Voltage	V	U32
12291	0x3003	1	Nominal Frequency 0 : 50 Hz - eDefFnom_50Hz 1 : 60 Hz - eDefFnom_60Hz	-	U8
12292	0x3004	1	Phase Rotation 0 : V1 - V2 - V3 1 : V1 - V3 - V2	-	U8
12293	0x3005	1	Voltage transformer used 0 : NO 1 : YES	-	U8

12294	0x3006	2	Voltage transformer rate : primary	-	U32
12296	0x3008	1	Voltage transformer rate : secondary	-	U16
12297	0x3009	1	Phase Rotation Check 0 : NO 1 : YES	-	U8

Setup Threshold for up stream Voltages

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
22272	0x5700	Settings	20	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
22272	0x5700	1	Source 1 : Overvoltage threshold	%	U8
22273	0x5701	1	Source 1 : Overvoltage hysteresis threshold	%	U8
22274	0x5702	1	Source 1 : Undervoltage threshold	%	U8
22275	0x5703	1	Source 1 : Undervoltage hysteresis threshold	%	U8
22276	0x5704	1	Source 2 : Overvoltage threshold	%	U8
22277	0x5705	1	Source 2 : Overvoltage hysteresis threshold	%	U8
22278	0x5706	1	Source 2 : Undervoltage threshold	%	U8
22279	0x5707	1	Source 2 : Undervoltage hysteresis threshold	%	U8
22280	0x5708	1	Source 1 : Unbalanced voltage threshold	%	U8
22281	0x5709	1	Source 1 : Unbalanced voltage hysteresis threshold	%	U8
22282	0x570A	1	Source 2 : Unbalanced voltage threshold	%	U8
22283	0x570B	1	Source 2 : Unbalanced voltage hysteresis threshold	%	U8
22284	0x570C	1	Source 1 : Overfrequency threshold	% / 10	U16
22285	0x570D	1	Source 1 : Overfrequency hysteresis threshold	% / 10	U16
22286	0x570E	1	Source 1 : Underfrequency threshold	% / 10	U16
22287	0x570F	1	Source 1 : Underfrequency hysteresis threshold	% / 10	U16
22288	0x5710	1	Source 2 : Overfrequency threshold	% / 10	U16
22289	0x5711	1	Source 2 : Overfrequency hysteresis threshold	% / 10	U16
22290	0x5712	1	Source 2 : Underfrequency threshold	% / 10	U16
22291	0x5713	1	Source 2 : Underfrequency hysteresis threshold	% / 10	U16

Automation

ATS Application

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
22064	0x5630	Settings	53	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
22064	0x5630	1	Type of Application 0 : M-M 1 : M-G 2 : G-G	-	U8
22065	0x5631	1	Reserved	-	-
22066	0x5632	1	External position command logic type 0 : CONTACT 1 : IMPULSE	-	U8
22067	0x5633	1	Priority - Power Supply 0 : Network 1 : Source 1 2 : Source 2	-	U8
22068	0x5634	1	Priority - Test On Load 0 : NO 1 : YES	-	U8
22069	0x5635	1	Priority - External Order On Load 0 : NO 1 : YES	-	U8
22070	0x5636	1		-	U8

			Manual retransfer 0 : NO 1 : YES		
22071	0x5637	1	Reserved	-	-
22072	0x5638	1	Reserved	-	-
22073	0x5639	1	Reserved	-	-
22074	0x563A	1	Switch Technology 1 : ATyS r/d 2 : Contactor 3 : Circuit Breaker 4 : ATyS DT	-	U8
22075	0x563B	1	Test Button use 0 : Test Off Load 1 : Test On Load	-	U8
22076	0x563C	1	Op. Factor : Nb of operations	-	U8
22077	0x563D	1	Op. Factor : Time for nb of operations	min	U8
22078	0x563E	16	Source1 Name	-	STRING_NORM
22094	0x564E	16	Source2 Name	-	STRING_NORM
22110	0x565E	1	Reserved	-	-
22111	0x565F	1	Retry number	-	U8
22112	0x5660	1	Retry delay	s 10 ⁻³	U16
22113	0x5661	1	Reserved	-	-
22114	0x5662	1	Reserved	-	-
22115	0x5663	1	Power Up In Auto 0 : NO 1 : YES	-	U8
22116	0x5664	1	Reserved	-	-

Timers

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
22016	0x5600	Settings	36	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
22016	0x5600	1	1FT Source1 Failure Timer	s 10 ⁻¹	U16
22017	0x5601	1	1RT Source1 Available/Return Timer	s	U16
22018	0x5602	1	1CT Source1 Genset Cooldown timer	s	U16
22019	0x5603	1	Reserved	-	-
22020	0x5604	1	1ST Source1 Start TimeOut timer	s	U16
22021	0x5605	1	Reserved	-	-
22022	0x5606	1	Reserved	-	-
22023	0x5607	1	2FT Source2 Failure Timer	s 10 ⁻¹	U16
22024	0x5608	1	2RT Source2 Available/Return Timer	s	U16
22025	0x5609	1	2CT Source2 Genset Cooldown timer	s	U16
22026	0x560A	1	Reserved	-	-
22027	0x560B	1	2ST Source2 Start TimeOut timer	s	U16
22028	0x560C	1	Reserved	-	-
22029	0x560D	1	Reserved	-	-
22030	0x560E	1	DBT Dead Band timer	s	U16
22031	0x560F	1	Limit_TOT Test on load is limited 0 : unlimited 1 : limited	-	U8
22032	0x5610	1	TOT Test on load duration timer	s	U16
22033	0x5611	1	T3T Test on load end timer	s	U16
22034	0x5612	1	Limit_TFT Test off load is limited 0 : unlimited 1 : limited	-	U8
22035	0x5613	1	TFT Test off load duration timer	s	U16
22036	0x5614	1	E1T Time before external order on load	s	U16
22037	0x5615	1	E3T Time after external order on load	s	U16
22038	0x5616	1	Limit_E2T External order on load is limited 0 : unlimited 1 : limited	-	U8
22039	0x5617	1	E2T External order on load duration	s	U16

22040	0x5618	1	E5T Time before external order off load	s	U16
22041	0x5619	1	E7T Time after external order off load	s	U16
22042	0x561A	1	Limit_E6T External order off load is limited 0 : unlimited 1 : limited	-	U8
22043	0x561B	1	E6T External order off load duration	s	U16
22044	0x561C	1	Reserved	-	-
22045	0x561D	1	Reserved	-	-
22046	0x561E	1	Reserved	-	-
22047	0x561F	1	DRT: Dynamic return timer	s	U16
22048	0x5620	1	Reserved	-	-
22049	0x5621	1	Reserved	-	-
22050	0x5622	1	Reserved	-	-
22051	0x5623	1	Reserved	-	-

Exerciser

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
24064	0x5E00	Settings	9	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
24064	0x5E00	1	Custom1: Exerciser Type set 0 : Not Used 1 : For TON 2 : For TOF	-	U8
24065	0x5E01	1	Reserved	-	-
24066	0x5E02	1	Custom1: Periodic Schedule Set 0 : Daily 1 : Weekly 2 : Bi Weekly 3 : Monthly 4 : Yearly 5 : Non Cyclic 6 : Bi Daily 7 : Bi Monthly 8 : Hexa Monthly 9 : 28 Days	-	U8
24067	0x5E03	2	Custom1 Start Time	-	DATETIME
24069	0x5E05	1	Custom1 Duration	s	U16
24070	0x5E06	2	Custom1 End Time	-	DATETIME
24072	0x5E08	1	Min Idle Time to Run	min	U16

Inputs and outputs

Output Relay

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
16384	0x4000	Settings	13	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
16384	0x4000	1	Output 1 function 0 : --- - None 70 : PO1 - Switch to pos 1 71 : PO2 - Switch to pos 2 72 : PO0 - Switch to pos 0 73 : PA0 - Switch A to pos 0 (S1) 74 : PB0 - Switch B to pos 0 (S2) 77 : S1A - Source 1 available 78 : S2A - Source 2 available 79 : SCA - At Least 1 source avail 80 : S1U - Source 1 unavailable 81 : S2U - Source 2 unavailable 82 : AC1 - Source 1 closed 83 : AC2 - Source 2 closed 84 : AC0 - Off Position	-	U8

			88 : FLT - Faults active 94 : ROS - TON or EON in progress 109 : AUD - Critical Alarm Active		
16385	0x4001	1	Output 2 function 0 : --- - None 70 : PO1 - Switch to pos 1 71 : PO2 - Switch to pos 2 72 : PO0 - Switch to pos 0 73 : PA0 - Switch A to pos 0 (S1) 74 : PB0 - Switch B to pos 0 (S2) 77 : S1A - Source 1 available 78 : S2A - Source 2 available 79 : SCA - At Least 1 source avail 80 : S1U - Source 1 unavailable 81 : S2U - Source 2 unavailable 82 : AC1 - Source 1 closed 83 : AC2 - Source 2 closed 84 : AC0 - Off Position 88 : FLT - Faults active 94 : ROS - TON or EON in progress 109 : AUD - Critical Alarm Active	-	U8
16386	0x4002	1	Output 3 function 0 : --- - None 70 : PO1 - Switch to pos 1 71 : PO2 - Switch to pos 2 72 : PO0 - Switch to pos 0 73 : PA0 - Switch A to pos 0 (S1) 74 : PB0 - Switch B to pos 0 (S2) 77 : S1A - Source 1 available 78 : S2A - Source 2 available 79 : SCA - At Least 1 source avail 80 : S1U - Source 1 unavailable 81 : S2U - Source 2 unavailable 82 : AC1 - Source 1 closed 83 : AC2 - Source 2 closed 84 : AC0 - Off Position 88 : FLT - Faults active 94 : ROS - TON or EON in progress 109 : AUD - Critical Alarm Active	-	U8
16387	0x4003	1	Output 4 function 0 : --- - None 70 : PO1 - Switch to pos 1 71 : PO2 - Switch to pos 2 72 : PO0 - Switch to pos 0 73 : PA0 - Switch A to pos 0 (S1) 74 : PB0 - Switch B to pos 0 (S2) 77 : S1A - Source 1 available 78 : S2A - Source 2 available 79 : SCA - At Least 1 source avail 80 : S1U - Source 1 unavailable 81 : S2U - Source 2 unavailable 82 : AC1 - Source 1 closed 83 : AC2 - Source 2 closed 84 : AC0 - Off Position 88 : FLT - Faults active 94 : ROS - TON or EON in progress 109 : AUD - Critical Alarm Active	-	U8
16388	0x4004	1	Output 1 type 0 : NO 1 : NC	-	U8
16389	0x4005	1	Output 2 type 0 : NO 1 : NC	-	U8
16390	0x4006	1	Output 3 type 0 : NO 1 : NC	-	U8
16391	0x4007	1	Output 4 type 0 : NO 1 : NC	-	U8
16392	0x4008	1	Pulse length (RTSE control in pulse mode)	s 10 ⁻³	U16
16393	0x4009	1	Output 5 function (Genset S1) 0 : --- - None 75 : GS1 - Genset Source 1 start 77 : S1A - Source 1 available 78 : S2A - Source 2 available 79 : SCA - At Least 1 source avail 80 : S1U - Source 1 unavailable 81 : S2U - Source 2 unavailable 82 : AC1 - Source 1 closed 83 : AC2 - Source 2 closed 84 : AC0 - Off Position 88 : FLT - Faults active	-	U8

			94 : ROS - TON or EON in progress 109 : AUD - Critical Alarm Active		
16394	0x400A	1	Output 6 function (Genset S2) 0 : --- - None 75 : GS1 - Genset Source 1 start 76 : GS2 - Genset Source 2 start 77 : S1A - Source 1 available 78 : S2A - Source 2 available 79 : SCA - At Least 1 source avail 80 : S1U - Source 1 unavailable 81 : S2U - Source 2 unavailable 82 : AC1 - Source 1 closed 83 : AC2 - Source 2 closed 84 : AC0 - Off Position 88 : FLT - Faults active 94 : ROS - TON or EON in progress 109 : AUD - Critical Alarm Active	-	U8
16395	0x400B	1	Output 5 type 0 : NO 1 : NC	-	U8
16396	0x400C	1	Output 6 type 0 : NO 1 : NC	-	U8

Input

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
11296	0x2C20	Settings	12	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
11296	0x2C20	1	Input 1 function 0 : --- - None 21 : INH - Inhibition 22 : INHP - Partial Inhibition 23 : INHT - Total Inhibition 24 : TON - Test on load 25 : TOF - Test off load 26 : EON - External order on load 27 : EOF - External order off load 28 : MRT - Manual Retransfer 29 : PRI - Change Priority 30 : SS1 - Validation Stabilization source 1 31 : SS2 - Validation Stabilization source 2 32 : ALE - External Alarm 33 : FTE - External Fault 36 : MSR - Priority test on load 37 : OA1 - Override source 1 available 38 : OA2 - Override source 2 available 39 : OU1 - Override source 1 unavailable 40 : OU2 - Override source 2 unavailable 41 : RST - Reset faults state 43 : AC1 - Switch position 1 44 : AC2 - Switch position 2 45 : AC0 - Switch position 0 46 : AC0A - Switch A position 0 47 : AC0B - Switch B position 0 48 : MAN - RTSE in manual mode 49 : LCK - RTSE locked 50 : CHP - Change Position 53 : PS1 - Go to position 1 54 : PS2 - Go to position 2 55 : PS0 - Go to position 0 57 : BLK - Interlocking blocked 58 : TP1 - Trip S1 59 : TP2 - Trip S2 61 : EST - Emergency Stop 64 : BCT - Bypass Current Timer	-	U8
11297	0x2C21	1	Input 2 function 0 : --- - None 21 : INH - Inhibition 22 : INHP - Partial Inhibition 23 : INHT - Total Inhibition 24 : TON - Test on load 25 : TOF - Test off load 26 : EON - External order on load 27 : EOF - External order off load 28 : MRT - Manual Retransfer 29 : PRI - Change Priority 30 : SS1 - Validation Stabilization source 1	-	U8

			31 : SS2 - Validation Stabilization source 2 32 : ALE - External Alarm 33 : FTE - External Fault 36 : MSR - Priority test on load 37 : OA1 - Override source 1 available 38 : OA2 - Override source 2 available 39 : OU1 - Override source 1 unavailable 40 : OU2 - Override source 2 unavailable 41 : RST - Reset faults state 43 : AC1 - Switch position 1 44 : AC2 - Switch position 2 45 : AC0 - Switch position 0 46 : AC0A - Switch A position 0 47 : AC0B - Switch B position 0 48 : MAN - RTSE in manual mode 49 : LCK - RTSE locked 50 : CHP - Change Position 53 : PS1 - Go to position 1 54 : PS2 - Go to position 2 55 : PS0 - Go to position 0 57 : BLK - Interlocking blocked 58 : TP1 - Trip S1 59 : TP2 - Trip S2 61 : EST - Emergency Stop 64 : BCT - Bypass Current Timer		
11298	0x2C22	1	Input 3 function 0 : --- - None 21 : INH - Inhibition 22 : INHP - Partial Inhibition 23 : INHT - Total Inhibition 24 : TON - Test on load 25 : TOF - Test off load 26 : EON - External order on load 27 : EOF - External order off load 28 : MRT - Manual Retransfer 29 : PRI - Change Priority 30 : SS1 - Validation Stabilization source 1 31 : SS2 - Validation Stabilization source 2 32 : ALE - External Alarm 33 : FTE - External Fault 36 : MSR - Priority test on load 37 : OA1 - Override source 1 available 38 : OA2 - Override source 2 available 39 : OU1 - Override source 1 unavailable 40 : OU2 - Override source 2 unavailable 41 : RST - Reset faults state 43 : AC1 - Switch position 1 44 : AC2 - Switch position 2 45 : AC0 - Switch position 0 46 : AC0A - Switch A position 0 47 : AC0B - Switch B position 0 48 : MAN - RTSE in manual mode 49 : LCK - RTSE locked 50 : CHP - Change Position 53 : PS1 - Go to position 1 54 : PS2 - Go to position 2 55 : PS0 - Go to position 0 57 : BLK - Interlocking blocked 58 : TP1 - Trip S1 59 : TP2 - Trip S2 61 : EST - Emergency Stop 64 : BCT - Bypass Current Timer	-	U8
11299	0x2C23	1	Input 4 function 0 : --- - None 21 : INH - Inhibition 22 : INHP - Partial Inhibition 23 : INHT - Total Inhibition 24 : TON - Test on load 25 : TOF - Test off load 26 : EON - External order on load 27 : EOF - External order off load 28 : MRT - Manual Retransfer 29 : PRI - Change Priority 30 : SS1 - Validation Stabilization source 1 31 : SS2 - Validation Stabilization source 2 32 : ALE - External Alarm 33 : FTE - External Fault 36 : MSR - Priority test on load 37 : OA1 - Override source 1 available 38 : OA2 - Override source 2 available 39 : OU1 - Override source 1 unavailable 40 : OU2 - Override source 2 unavailable 41 : RST - Reset faults state 43 : AC1 - Switch position 1 44 : AC2 - Switch position 2 45 : AC0 - Switch position 0	-	U8

			46 : AC0A - Switch A position 0 47 : AC0B - Switch B position 0 48 : MAN - RTSE in manual mode 49 : LCK - RTSE locked 50 : CHP - Change Position 53 : PS1 - Go to position 1 54 : PS2 - Go to position 2 55 : PS0 - Go to position 0 57 : BLK - Interlocking blocked 58 : TP1 - Trip S1 59 : TP2 - Trip S2 61 : EST - Emergency Stop 64 : BCT - Bypass Current Timer		
11300	0x2C24	1	Input 5 function 0 : --- - None 21 : INH - Inhibition 22 : INHP - Partial Inhibition 23 : INHT - Total Inhibition 24 : TON - Test on load 25 : TOF - Test off load 26 : EON - External order on load 27 : EOF - External order off load 28 : MRT - Manual Retransfer 29 : PRI - Change Priority 30 : SS1 - Validation Stabilization source 1 31 : SS2 - Validation Stabilization source 2 32 : ALE - External Alarm 33 : FTE - External Fault 36 : MSR - Priority test on load 37 : OA1 - Override source 1 available 38 : OA2 - Override source 2 available 39 : OU1 - Override source 1 unavailable 40 : OU2 - Override source 2 unavailable 41 : RST - Reset faults state 43 : AC1 - Switch position 1 44 : AC2 - Switch position 2 45 : AC0 - Switch position 0 46 : AC0A - Switch A position 0 47 : AC0B - Switch B position 0 48 : MAN - RTSE in manual mode 49 : LCK - RTSE locked 50 : CHP - Change Position 53 : PS1 - Go to position 1 54 : PS2 - Go to position 2 55 : PS0 - Go to position 0 57 : BLK - Interlocking blocked 58 : TP1 - Trip S1 59 : TP2 - Trip S2 61 : EST - Emergency Stop 64 : BCT - Bypass Current Timer	-	U8
11301	0x2C25	1	Input 6 function 0 : --- - None 21 : INH - Inhibition 22 : INHP - Partial Inhibition 23 : INHT - Total Inhibition 24 : TON - Test on load 25 : TOF - Test off load 26 : EON - External order on load 27 : EOF - External order off load 28 : MRT - Manual Retransfer 29 : PRI - Change Priority 30 : SS1 - Validation Stabilization source 1 31 : SS2 - Validation Stabilization source 2 32 : ALE - External Alarm 33 : FTE - External Fault 36 : MSR - Priority test on load 37 : OA1 - Override source 1 available 38 : OA2 - Override source 2 available 39 : OU1 - Override source 1 unavailable 40 : OU2 - Override source 2 unavailable 41 : RST - Reset faults state 43 : AC1 - Switch position 1 44 : AC2 - Switch position 2 45 : AC0 - Switch position 0 46 : AC0A - Switch A position 0 47 : AC0B - Switch B position 0 48 : MAN - RTSE in manual mode 49 : LCK - RTSE locked 50 : CHP - Change Position 53 : PS1 - Go to position 1 54 : PS2 - Go to position 2 55 : PS0 - Go to position 0 57 : BLK - Interlocking blocked 58 : TP1 - Trip S1 59 : TP2 - Trip S2	-	U8

			61 : EST - Emergency Stop 64 : BCT - Bypass Current Timer		
11302	0x2C26	1	Input 1 type 0 : NO 1 : NC	-	U8
11303	0x2C27	1	Input 2 type 0 : NO 1 : NC	-	U8
11304	0x2C28	1	Input 3 type 0 : NO 1 : NC	-	U8
11305	0x2C29	1	Input 4 type 0 : NO 1 : NC	-	U8
11306	0x2C2A	1	Input 5 type 0 : NO 1 : NC	-	U8
11307	0x2C2B	1	Input 6 type 0 : NO 1 : NC	-	U8

Communication

Slave address

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57344	0xE000	Settings	1	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
57344	0xE000	1	Slave Address	-	U8

Modbus slave connection settings RS485

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57345	0xE001	Settings	3	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
57345	0xE001	1	Baudrate : 0 : 1200 1 : 2400 2 : 4800 3 : 9600 4 : 19200 5 : 38400 6 : 57600 7 : 115200	-	U8
57346	0xE002	1	Stop bit : 0 : 1 1 : 2	-	U8
57347	0xE003	1	Parity : 0 : None 1 : Odd 2 : Even	-	U8

Display

Screen interface settings

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
28928	0x7100	Settings	7	USER	READ	READ WRITE WRITE_MANY

			Description	Unit	Data type
--	--	--	-------------	------	-----------

Dec address	Hex address	Words count			
28928	0x7100	1	Language 0 : English 1 : French 2 : German 3 : Italian 4 : Polish 5 : Spanish 6 : Turkish 8 : Chinese 9 : Portuguese	-	U16
28929	0x7101	1	Backlight intensity	-	U16
28930	0x7102	1	Backlight timeout	s	U16
28931	0x7103	1	Contrast 0 : Dark 1 : Medium 2 : Light	-	U16
28932	0x7104	1	Reserved	-	-
28933	0x7105	1	Reserved	-	-
28934	0x7106	1	LampTest Duration	s	U16

Alarms

Analog-Maintenance

ALM Ana Maint Settings #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4368	0x1110	Settings	33	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4368	0x1110	1	Status : 0 : Disabled 1 : Enabled	-	U8
4369	0x1111	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
4370	0x1112	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
4371	0x1113	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
4372	0x1114	1	Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used	-	U8
4373	0x1115	2	Analog variable (ServiceID) 5206 : Total Cycle Counter 5415 : Total Switch Counter 5434 : Genset S1 Activation Time 5435 : Genset S2 Activation Time 5436 : Genset S1 On Load Time 5437 : Genset S2 On Load Time 156094 : Time Since Last Inspection	-	U32
4375	0x1117	1	Analog variable (Instance index)	-	U16
4376	0x1118	1	Reserved	-	-
4377	0x1119	1	Variable data access : 0 : Single 1 : Triple (logical AND)	-	U8

			2 : Triple (logical OR) 3 : Maintenance		
4378	0x111A	2	High threshold	-	S32
4380	0x111C	2	Low threshold	-	S32
4382	0x111E	1	Hysteresis	% / 10	U16
4383	0x111F	1	Startup delay	s / 2	U16
4384	0x1120	1	Dropout delay	s / 2	U16
4385	0x1121	16	Name	-	STRING_NORM

ALM Ana Maint Settings #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4401	0x1131	Settings	33	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4401	0x1131	1	Status : 0 : Disabled 1 : Enabled	-	U8
4402	0x1132	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
4403	0x1133	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
4404	0x1134	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
4405	0x1135	1	Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used	-	U8
4406	0x1136	2	Analog variable (ServiceID) 5206 : Total Cycle Counter 5415 : Total Switch Counter 5434 : Genset S1 Activation Time 5435 : Genset S2 Activation Time 5436 : Genset S1 On Load Time 5437 : Genset S2 On Load Time 156094 : Time Since Last Inspection	-	U32
4408	0x1138	1	Analog variable (Instance index)	-	U16
4409	0x1139	1	Reserved	-	-
4410	0x113A	1	Variable data access : 0 : Single 1 : Triple (logical AND) 2 : Triple (logical OR) 3 : Maintenance	-	U8
4411	0x113B	2	High threshold	-	S32
4413	0x113D	2	Low threshold	-	S32
4415	0x113F	1	Hysteresis	% / 10	U16
4416	0x1140	1	Startup delay	s / 2	U16
4417	0x1141	1	Dropout delay	s / 2	U16
4418	0x1142	16	Name	-	STRING_NORM

ALM Ana Maint Settings #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4434	0x1152	Settings	33	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4434	0x1152	1	Status : 0 : Disabled 1 : Enabled	-	U8
4435	0x1153	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
4436	0x1154	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
4437	0x1155	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
4438	0x1156	1	Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used	-	U8
4439	0x1157	2	Analog variable (ServiceID) 5206 : Total Cycle Counter 5415 : Total Switch Counter 5434 : Genset S1 Activation Time 5435 : Genset S2 Activation Time 5436 : Genset S1 On Load Time 5437 : Genset S2 On Load Time 156094 : Time Since Last Inspection	-	U32
4441	0x1159	1	Analog variable (Instance index)	-	U16
4442	0x115A	1	Reserved	-	-
4443	0x115B	1	Variable data access : 0 : Single 1 : Triple (logical AND) 2 : Triple (logical OR) 3 : Maintenance	-	U8
4444	0x115C	2	High threshold	-	S32
4446	0x115E	2	Low threshold	-	S32
4448	0x1160	1	Hysteresis	% / 10	U16
4449	0x1161	1	Startup delay	s / 2	U16
4450	0x1162	1	Dropout delay	s / 2	U16
4451	0x1163	16	Name	-	STRING_NORM

ALM Ana Maint Settings #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4467	0x1173	Settings	33	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4467	0x1173	1	Status : 0 : Disabled 1 : Enabled	-	U8
4468	0x1174	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
4469	0x1175	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8

4470	0x1176	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
4471	0x1177	1	Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used	-	U8
4472	0x1178	2	Analog variable (ServiceID) 5206 : Total Cycle Counter 5415 : Total Switch Counter 5434 : Genset S1 Activation Time 5435 : Genset S2 Activation Time 5436 : Genset S1 On Load Time 5437 : Genset S2 On Load Time 156094 : Time Since Last Inspection	-	U32
4474	0x117A	1	Analog variable (Instance index)	-	U16
4475	0x117B	1	Reserved	-	-
4476	0x117C	1	Variable data access : 0 : Single 1 : Triple (logical AND) 2 : Triple (logical OR) 3 : Maintenance	-	U8
4477	0x117D	2	High threshold	-	S32
4479	0x117F	2	Low threshold	-	S32
4481	0x1181	1	Hysteresis	% / 10	U16
4482	0x1182	1	Startup delay	s / 2	U16
4483	0x1183	1	Dropout delay	s / 2	U16
4484	0x1184	16	Name	-	STRING_NORM

ALM Ana Maint Settings #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4500	0x1194	Settings	33	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4500	0x1194	1	Status : 0 : Disabled 1 : Enabled	-	U8
4501	0x1195	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
4502	0x1196	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
4503	0x1197	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
4504	0x1198	1	Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used	-	U8
4505	0x1199	2	Analog variable (ServiceID) 5206 : Total Cycle Counter 5415 : Total Switch Counter 5434 : Genset S1 Activation Time 5435 : Genset S2 Activation Time 5436 : Genset S1 On Load Time	-	U32

			5437 : Genset S2 On Load Time 156094 : Time Since Last Inspection		
4507	0x119B	1	Analog variable (Instance index)	-	U16
4508	0x119C	1	Reserved	-	-
4509	0x119D	1	Variable data access : 0 : Single 1 : Triple (logical AND) 2 : Triple (logical OR) 3 : Maintenance	-	U8
4510	0x119E	2	High threshold	-	S32
4512	0x11A0	2	Low threshold	-	S32
4514	0x11A2	1	Hysteresis	% / 10	U16
4515	0x11A3	1	Startup delay	s / 2	U16
4516	0x11A4	1	Dropout delay	s / 2	U16
4517	0x11A5	16	Name	-	STRING_NORM

ALM Ana Maint Settings #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
4533	0x11B5	Settings	33	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
4533	0x11B5	1	Status : 0 : Disabled 1 : Enabled	-	U8
4534	0x11B6	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
4535	0x11B7	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
4536	0x11B8	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
4537	0x11B9	1	Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used	-	U8
4538	0x11BA	2	Analog variable (ServiceID) 5206 : Total Cycle Counter 5415 : Total Switch Counter 5434 : Genset S1 Activation Time 5435 : Genset S2 Activation Time 5436 : Genset S1 On Load Time 5437 : Genset S2 On Load Time 156094 : Time Since Last Inspection	-	U32
4540	0x11BC	1	Analog variable (Instance index)	-	U16
4541	0x11BD	1	Reserved	-	-
4542	0x11BE	1	Variable data access : 0 : Single 1 : Triple (logical AND) 2 : Triple (logical OR) 3 : Maintenance	-	U8
4543	0x11BF	2	High threshold	-	S32
4545	0x11C1	2	Low threshold	-	S32
4547	0x11C3	1	Hysteresis	% / 10	U16
4548	0x11C4	1	Startup delay	s / 2	U16
4549	0x11C5	1	Dropout delay	s / 2	U16
4550	0x11C6	16	Name	-	STRING_NORM

Logical

ALM Log Settings #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5632	0x1600	Settings	24	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
5632	0x1600	1	Status : 0 : Disabled 1 : Enabled	-	U8
5633	0x1601	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
5634	0x1602	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
5635	0x1603	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
5636	0x1604	1	Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used	-	U8
5637	0x1605	1	Logical input 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
5638	0x1606	1	Startup delay	s / 2	U16
5639	0x1607	1	Dropout delay	s / 2	U16
5640	0x1608	16	Name	-	STRING_NORM

ALM Log Settings #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5656	0x1618	Settings	24	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
5656	0x1618	1	Status : 0 : Disabled 1 : Enabled	-	U8
5657	0x1619	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
5658	0x161A	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
5659	0x161B	1	Input for ack 0 : Input 1 1 : Input 2	-	U8

			2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used		
5660	0x161C	1	Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used	-	U8
5661	0x161D	1	Logical input 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
5662	0x161E	1	Startup delay	s / 2	U16
5663	0x161F	1	Dropout delay	s / 2	U16
5664	0x1620	16	Name	-	STRING_NORM

ALM Log Settings #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
5680	0x1630	Settings	24	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
5680	0x1630	1	Status : 0 : Disabled 1 : Enabled	-	U8
5681	0x1631	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
5682	0x1632	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
5683	0x1633	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
5684	0x1634	1	Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used	-	U8
5685	0x1635	1	Logical input 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
5686	0x1636	1	Startup delay	s / 2	U16
5687	0x1637	1	Dropout delay	s / 2	U16
5688	0x1638	16	Name	-	STRING_NORM

ALM Log Settings #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
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5704	0x1648	Settings	24	USER	READ	READ WRITE WRITE_MANY
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Dec address	Hex address	Words count	Description	Unit	Data type
5704	0x1648	1	Status : 0 : Disabled 1 : Enabled	-	U8
5705	0x1649	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
5706	0x164A	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
5707	0x164B	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
5708	0x164C	1	Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used	-	U8
5709	0x164D	1	Logical input 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
5710	0x164E	1	Startup delay	s / 2	U16
5711	0x164F	1	Dropout delay	s / 2	U16
5712	0x1650	16	Name	-	STRING_NORM

System

ALM Sys Settings #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6656	0x1A00	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6656	0x1A00	1	Status : 0 : Disabled 1 : Enabled	-	U8
6657	0x1A01	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6658	0x1A02	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
6659	0x1A03	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
6660	0x1A04	1		-	U8

			Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used		
6661	0x1A05	1	Alarm Type 0 : None 1 : Net Rotation 20 : External Alarm 21 : I/O Connection Failure 22 : Controller Unavailable 23 : Load Not Supplied 9 : RTC Low Battery 24 : DC Aux. Supply Out Of Bounds	-	U8
6662	0x1A06	1	Startup delay	s / 2	U16
6663	0x1A07	1	Dropout delay	s / 2	U16

ALM Sys Settings #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6664	0x1A08	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6664	0x1A08	1	Status : 0 : Disabled 1 : Enabled	-	U8
6665	0x1A09	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6666	0x1A0A	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
6667	0x1A0B	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
6668	0x1A0C	1	Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used	-	U8
6669	0x1A0D	1	Alarm Type 0 : None 1 : Net Rotation 20 : External Alarm 21 : I/O Connection Failure 22 : Controller Unavailable 23 : Load Not Supplied 9 : RTC Low Battery 24 : DC Aux. Supply Out Of Bounds	-	U8
6670	0x1A0E	1	Startup delay	s / 2	U16
6671	0x1A0F	1	Dropout delay	s / 2	U16

ALM Sys Settings #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6672	0x1A10	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
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6672	0x1A10	1	Status : 0 : Disabled 1 : Enabled	-	U8
6673	0x1A11	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6674	0x1A12	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
6675	0x1A13	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
6676	0x1A14	1	Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used	-	U8
6677	0x1A15	1	Alarm Type 0 : None 1 : Net Rotation 20 : External Alarm 21 : I/O Connection Failure 22 : Controller Unavailable 23 : Load Not Supplied 9 : RTC Low Battery 24 : DC Aux. Supply Out Of Bounds	-	U8
6678	0x1A16	1	Startup delay	s / 2	U16
6679	0x1A17	1	Dropout delay	s / 2	U16

ALM Sys Settings #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6680	0x1A18	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6680	0x1A18	1	Status : 0 : Disabled 1 : Enabled	-	U8
6681	0x1A19	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6682	0x1A1A	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
6683	0x1A1B	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
6684	0x1A1C	1	Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used	-	U8
6685	0x1A1D	1	Alarm Type 0 : None 1 : Net Rotation 20 : External Alarm	-	U8

			21 : I/O Connection Failure 22 : Controller Unavailable 23 : Load Not Supplied 9 : RTC Low Battery 24 : DC Aux. Supply Out Of Bounds		
6686	0x1A1E	1	Startup delay	s / 2	U16
6687	0x1A1F	1	Dropout delay	s / 2	U16

ALM Sys Settings #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6688	0x1A20	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6688	0x1A20	1	Status : 0 : Disabled 1 : Enabled	-	U8
6689	0x1A21	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6690	0x1A22	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8
6691	0x1A23	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
6692	0x1A24	1	Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used	-	U8
6693	0x1A25	1	Alarm Type 0 : None 1 : Net Rotation 20 : External Alarm 21 : I/O Connection Failure 22 : Controller Unavailable 23 : Load Not Supplied 9 : RTC Low Battery 24 : DC Aux. Supply Out Of Bounds	-	U8
6694	0x1A26	1	Startup delay	s / 2	U16
6695	0x1A27	1	Dropout delay	s / 2	U16

ALM Sys Settings #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6696	0x1A28	Settings	8	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
6696	0x1A28	1	Status : 0 : Disabled 1 : Enabled	-	U8
6697	0x1A29	1	Criticality : 0 : Information 1 : Warning 2 : Critical	-	U8
6698	0x1A2A	1	Acknowledgement method : 0 : None 1 : MODBUS only 2 : Logical input	-	U8

6699	0x1A2B	1	Input for ack 0 : Input 1 1 : Input 2 2 : Input 3 3 : Input 4 4 : Input 5 5 : Input 6 255 : Not used	-	U8
6700	0x1A2C	1	Output for report 0 : Output 1 1 : Output 2 2 : Output 3 3 : Output 4 4 : Output 5 5 : Output 6 255 : Not used	-	U8
6701	0x1A2D	1	Alarm Type 0 : None 1 : Net Rotation 20 : External Alarm 21 : I/O Connection Failure 22 : Controller Unavailable 23 : Load Not Supplied 9 : RTC Low Battery 24 : DC Aux. Supply Out Of Bounds	-	U8
6702	0x1A2E	1	Startup delay	s / 2	U16
6703	0x1A2F	1	Dropout delay	s / 2	U16

Maintenance informations

Maintenance_Table

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
7680	0x1E00	Settings	36	USER	READ	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
7680	0x1E00	16	Product Name	-	STRING_NORM
7696	0x1E10	16	Maintenance Phone Number	-	STRING_NORM
7712	0x1E20	2	Last Inspection Date	-	DATETIME
7714	0x1E22	1	Max Number of Password Attempts	-	U8
7715	0x1E23	1	Timeout after wrong password	min	U8

Commands

Commands

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
21760	0x5500	Commands	5	USER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
21760	0x5500	1	Set Command / Alarm 0x01 : Set Manual Retransfer (By Keyboard) 0x02 : Clear TOF (By Keyboard) 0x03 : Set TOF (By Keyboard) 0x04 : Set TON (By Keyboard) 0x05 : Set EOF (By input) 0x06 : Set EON (By input) 0x07 : Clear EOF (By input) 0x08 : Clear EON (By input) 0x0A : Clear TON (By Keyboard) 0x10 : Clear Faults (By input) 0x15 : Set EST Reset (By keyboard)	-	U8_HEX
21761	0x5501	1	Set Operating Mode 0x0010 : Auto Mode	-	U16_HEX

			0x0020 : Manu Mode 0x0040 : Inhibit Mode		
21762	0x5502	1	Set Priority 0 : Network 1 : Source 1 2 : Source 2	-	U8
21763	0x5503	1	Set Position 1 : Position in Zero 2 : Position in 1 3 : Position in 2	-	U8
21764	0x5504	1	Set Genset Start Order 0 : GS1 start 1 : GS1 stop 2 : GS2 start 3 : GS2 stop	-	U8

Network Autodetection

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
12368	0x3050	Commands	1	USER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
12368	0x3050	1	Autodetect network 0 : No action 1 : Start Autodetection	-	U8

ALM Acknowledgment

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
6912	0x1B00	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
6912	0x1B00	1	Ack ID	-	U16

System

Action system (Write Function only)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57856	0xE200	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
57856	0xE200	1	Action : 0xA1 : Product Configuration storage 0xB2 : Product reset 0xE5 : Restore factory settings	-	U8_HEX

Lock system

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
58112	0xE300	Settings	2	NONE	READ WRITE WRITE_MANY	READ WRITE WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
58112	0xE300	1	Code to submit	-	U16
58113	0xE301	1	Delocker ID	-	U16

USB function (Write Function only)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57872	0xE210	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
57872	0xE210	1	USB function : 0x01 : DFU 0x02 : PCL 0x03 : Mass storage	-	U8_HEX

Maintenance

Partial operating hours counter reset

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
528	0x0210	Commands	1	USER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
528	0x0210	1	Reset command 0 : Reset	-	U16

Reset counter and time meters

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
23376	0x5B50	Commands	3	USER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
23376	0x5B50	1	Reset switch counters 0 : No action 1 : Reset	-	U8
23377	0x5B51	1	Reset partial time on position counters 0 : No action 1 : Reset	-	U8
23378	0x5B52	1	Reset Genset counters 0 : No action 1 : Reset	-	U8

Reset histo

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
544	0x0220	Commands	1	USER	NONE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
544	0x0220	1	Action 0 : No action 1 : Reset alarms history 4 : Reset events history	-	U16