General

Identification

Product identification

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
50000	0xC350	Info	66	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	JBUS Table Version (EX: 101 Version 1.01)	-	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

50042	0xC37A	8	Vendor name (EX : "SOCOMEC")	-	STRING_NORM
50050	0xC382	8	Product name (EX : "DIRIS A40R")	-	STRING_NORM
50058	0xC38A	8	Extended name	-	STRING_NORM

Option Module identification

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
256	0x0100	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
256	0x0100	1	Product Option Code	-	U16
257	0x0101	1	Constructor code	-	U8
258	0x0102	1	Option slot 1 : 0x0000 : communication option 0x0001 : Metering option 0x0003 : Metering + Harmonics option 0x00F0 : Neutral curent option 0x0020 : Input/Output option 0x0030 : Analog Outputs option 0x0040 : Memory option 0x0050 : Pro?bus option 0x0060 : Temperature option 0x0066 : RCM 1In/1Out option 0x0068 : RCM 2Out option 0x0070 : Ethernet option 0x00FF : None	-	U16_HEX
259	0x0103	1	Option slot 2 : 0x0000 : communication option 0x0001 : Metering option 0x0003 : Metering + Harmonics option 0x00F0 : Neutral curent option 0x0020 : Input/Output option 0x0030 : Analog Outputs option 0x0040 : Memory option 0x0050 : Pro?bus option	-	U16_HEX

260	0x0104	1	0x0020 : Input/Output option 0x0030 : Analog Outputs option 0x0040 : Memory option 0x0050 : Pro?bus option 0x0060 : Temperature option 0x0066 : RCM 1In/1Out option 0x0068 : RCM 2Out option 0x0070 : Ethernet option 0x00FF : None	-	U16_HEX
261	0x0105	1	Option slot 4 : 0x0000 : communication option 0x0001 : Metering option 0x0003 : Metering + Harmonics option 0x00F0 : Neutral curent option 0x0020 : Input/Output option 0x0030 : Analog Outputs option 0x0040 : Memory option 0x0050 : Pro?bus option 0x0060 : Temperature option 0x0066 : RCM 1In/1Out option 0x0068 : RCM 2Out option 0x0070 : Ethernet option 0x00FF : None	-	U16_HEX
262	0x0106	1	Software version	-	U16
263	0x0107	1	Serial number	-	U16
264	0x0108	1	Serial number	-	U16
265	0x0109	1	Serial number	-	U16
266	0x010A	1	Serial number	-	U16

Common settings

Network Setting

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57344	0xE000	Settings	12	NONE	READ | WRITE |	READ | WRITE |

			3 : 3NBL 4 : 4BL 5 : 4NBL		
57345	0xE001	1	Current Transformer secondary 1 : 1 A 5 : 5 A	A	U8
57346	0xE002	1	Current Transformer primary	A	U16
57347	0xE003	1	Neutral Current Transformer present 0 : No 1 : Yes	-	U8
57348	0xE004	1	Neutral Current Transformer secondary: 1 : 1 A 5 : 5 A	A	U16
57349	0xE005	1	Neutral Current Transformer primary	A	U16
57350	0xE006	1	Voltage transformer present 0 : No 1 : Yes	-	U8
57351	0xE007	1	Voltage Transformersecondary 60 : 60 V 100 : 100 V 110 : 110 V 115 : 115 V 120 : 120 V 173 : 173 V 190 : 190 V	V	U8
57352	0xE008	2	Voltage Transformer primary	V	U32
57354	0xE00A	1	Internal/External Top 0 : internal 1 : external	-	U8
57355	0xE00B	1	Synchronisation Top for P+/- Q+/- : time in seconds (5mn, 8mn, 10mn, 15mn, 20mn, 30mn)	s	U16

Ethernet module JBUS interface

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
[illegible]	[illegible]	[illegible]	[illegible]	NONE	READ | WRITE |	READ | WRITE |

57619	0xE113	1	Ethernet IP address - part 4	-	U8
57620	0xE114	1	Ethernet GATE - part 1	-	U8
57621	0xE115	1	Ethernet GATE - part 2	-	U8
57622	0xE116	1	Ethernet GATE - part 3	-	U8
57623	0xE117	1	Ethernet GATE - part 4	-	U8
57624	0xE118	1	Ethernet MASK - part 1	-	U8
57625	0xE119	1	Ethernet MASK - part 2	-	U8
57626	0xE11A	1	Ethernet MASK - part 3	-	U8
57627	0xE11B	1	Ethernet MASK - part 4	-	U8
57628	0xE11C	1	DHCP used 1 : yes 0 : no	-	U8
57629	0xE11D	1	Reserved	-	-
57630	0xE11E	1	JBUS RTU over Ethernet Enabled 1 : yes 0 : no	-	U8
57631	0xE11F	1	Gateway External JBUS Baudrate enumeration 0 : 2400 bps 1 : 4800 bps 2 : 9600 bps 3 : 19200 bps 4 : 38400 bps	-	U8
57632	0xE120	1	Gateway External JBUS Parity 0 : none 1 : odd 2 : even	-	U8
57633	0xE121	1	Gateway External JBUS Stopbit 1 : 1 stop bit 2 : 2 stop bits	-	U8
57634	0xE122	1	JBUS Gateway Master request timeout	s / 1000	U16
57635	0xE123	1	JBUS Slave address (RS485 & RTU over Ethernet)	-	U8

Hour/Date setting (Write 6 words in one time Function 16)

57601	0xE101	1	Month	-	U8
57602	0xE102	1	Year	-	U16
57603	0xE103	1	Hour	-	U8
57604	0xE104	1	Minute	-	U8
57605	0xE105	1	Second	-	U8

Actions

Action system

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 : Produit reset 0xC3 : Apply default Setting	-	U8_HEX

Value reset

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57888	0xE220	Commands	5	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
57888	0xE220	1	Reset :0x0001 : Min/Max and AVG 4V0x0002 : Min/Max and AVG 3U0x0004 : Min/Max and AVG 4I0x0008 : Min/Max and AVG F0x0010 : Min/Max and AVG P+0x0020 : Min/Max and AVG P-0x0040 : Min/Max and AVG Q+0x0080 : Min/Max and AVG Q-	-	U16_HEX

57889	0xE221	1	0x0100 : Instantaneous Min/Max S0x0200 : Instantaneous Min/Max PF0x0400 : Instantaneous Min/Max THD 4V0x0800 : Instantaneous Min/Max THD 3U0x1000 : Instantaneous Min/Max THD 4I0x2000 : Instantaneous Min/Max TIHD 4V0x4000 : Instantaneous Min/Max TIHD 3U0x8000 : Instantaneous Min/Max TIHD 4I	-	U16_HEX
57890	0xE222	1	Reset : 0x0001 : Ea+0x0002 : Er+0x0004 : Es0x0008 : Ea-0x0010 : Er-0x0020 : Hour counter0x0040 : All average P/Q/S0x0080 : All events and all curves0x0100 : All alarms	-	U16_HEX
57891	0xE223	1	Reset : 0x0001 : Input pulse counter 10x0002 : Input pulse counter 20x0004 : Input pulse counter 30x0008 : Input pulse counter 40x0010 : Input pulse counter 50x0020 : Input pulse counter 60x0040 : Input pulse counter 70x0080 : Input pulse counter 80x0100 : Input pulse counter 90x0200 : Input pulse counter 100xFFFF : All	-	U16_HEX
57892	0xE224	1	Reserved	-	-

Application

Measurement

Common

Metrology Affected by current and voltage transformers

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
50512	0xC550	Info	62	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
50512	0xC550	2	Hour Meter	h / 100	U32
50514	0xC552	2	Phase to Phase Voltage: U12	V / 100	U32

50530	0xC562	2	Current : I2	A / 1000	U32
50532	0xC564	2	Current : I3	A / 1000	U32
50534	0xC566	2	Neutral Current : In	A / 1000	U32
50536	0xC568	2	? Active Power +/- : P	W / 0.1	S32
50538	0xC56A	2	? Reactive Power +/- : Q	var / 0.1	S32
50540	0xC56C	2	? Apparent Power : S	VA / 0.1	U32
50542	0xC56E	2	? Power Factor : -: leading et + : lagging : PF	- / 1000	S32
50544	0xC570	2	Active Power phase 1 +/- : P1	W / 0.1	S32
50546	0xC572	2	Active Power phase 2 +/- : P2	W / 0.1	S32
50548	0xC574	2	Active Power phase 3 +/- : P3	W / 0.1	S32
50550	0xC576	2	Reactive Power phase 1 +/- : Q1	var / 0.1	S32
50552	0xC578	2	Reactive Power phase 2 +/- : Q2	var / 0.1	S32
50554	0xC57A	2	Reactive Power phase 3 +/- : Q3	var / 0.1	S32
50556	0xC57C	2	Apparent Power phase 1 : S1	VA / 0.1	U32
50558	0xC57E	2	Apparent Power phase 2 : S2	VA / 0.1	U32
50560	0xC580	2	Apparent Power phase 3 : S3	VA / 0.1	U32
50562	0xC582	2	Power Factor phase 1 -: leading and + : lagging : PF1	- / 1000	S32
50564	0xC584	2	Power Factor phase 2 -: leading and + : lagging : PF2	- / 1000	S32
50566	0xC586	2	Power Factor phase 3 -: leading and + : lagging : PF3	- / 1000	S32
50568	0xC588	2	System value I Sys : (I1+I2+I3) / 3	A / 1000	U32
50570	0xC58A	2	System value U Sys : (U12 + U23 + U31) / 3	V / 100	U32
50572	0xC58C	2	System value V Sys : (V1 + V2 + V3) / 3	V / 100	U32

Energies

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
50768	0xC650	Info	65	NONE	READ	READ

Dec	Hex	Words	

50780	0xC65C	2	Partial Positive Active Energy: Ea+	Wh / 0.001	U32
50782	0xC65E	2	Partial Positive Reactive Energy: Er +	varh / 0.001	U32
50784	0xC660	2	Partial Apparent Energy : Es	VAh / 0.001	U32
50786	0xC662	2	Partial Negative Active Energy : Ea-	Wh / 0.001	U32
50788	0xC664	2	Partial Negative Reactive Energy : Er -	varh / 0.001	U32
50790	0xC666	2	Number of pulse meter (10 Maxi)	-	U32
50792	0xC668	2	Total pulse meter Input 1	-	U32
50794	0xC66A	2	Total pulse meter Input 2	-	U32
50796	0xC66C	2	Total pulse meter Input 3	-	U32
50798	0xC66E	2	Total pulse meter Input 4	-	U32
50800	0xC670	2	Total pulse meter Input 5	-	U32
50802	0xC672	2	Total pulse meter Input 6	-	U32
50804	0xC674	2	Total pulse meter Input 7	-	U32
50806	0xC676	2	Total pulse meter Input 8	-	U32
50808	0xC678	2	Total pulse meter Input 9	-	U32
50810	0xC67A	2	Total pulse meter Input 10	-	U32
50812	0xC67C	2	Predictive Active Power	W / 0.1	U32
50814	0xC67E	2	Predictive Reactive Power	var / 0.1	U32
50816	0xC680	2	Predictive Apparent Power	VA / 0.1	U32
50818	0xC682	2	Mean positive active power between 2 signals	W / 0.1	U32
50820	0xC684	2	Mean negative active power between 2 signals	W / 0.1	U32
50822	0xC686	2	Mean positive reactive power between 2 signals	var / 0.1	U32
50824	0xC688	2	Mean negative reactive power between 2 signals	var / 0.1	U32
50826	0xC68A	2	Last date for Record average P/Q/S in second since 01/01/2000	-	U32
50828	0xC68C	1	Last average (P+)	W / 10	U16
50829	0xC68D	1	Last average (Q+)	var / 10	U16
50830	0xC68E	1	Last average (P-)	W / 10	U16
50831	0xC68F	1	Last average (Q-)	var / 10	U16
50832	0xC690	1	Last average S	VA / 10	U16

Dec address	Hex address	Words count	Description	Unit	Data type
51024	0xC750	2	Avg U12	V / 100	U32
51026	0xC752	2	Avg U23	V / 100	U32
51028	0xC754	2	Avg U31	V / 100	U32
51030	0xC756	2	Avg V1	V / 100	U32
51032	0xC758	2	Avg V2	V / 100	U32
51034	0xC75A	2	Avg V3	V / 100	U32
51036	0xC75C	2	Avg F	Hz / 100	U32
51038	0xC75E	2	Avg I1	A / 1000	U32
51040	0xC760	2	Avg I2	A / 1000	U32
51042	0xC762	2	Avg I3	A / 1000	U32
51044	0xC764	2	Avg In	A / 1000	U32
51046	0xC766	2	Avg P+ (? active power +)	W / 0.1	U32
51048	0xC768	2	Avg P- (? active power -)	W / 0.1	U32
51050	0xC76A	2	Avg Q+ (? reactive power +)	var / 0.1	U32
51052	0xC76C	2	Avg Q-(? reactive power -)	var / 0.1	U32
51054	0xC76E	2	Avg S (? apparent power)	VA / 0.1	U32
51056	0xC770	2	Max/avg U12	V / 100	U32
51058	0xC772	2	Max/avg U23	V / 100	U32
51060	0xC774	2	Max/avg U31	V / 100	U32
51062	0xC776	2	Max/avg V1	V / 100	U32
51064	0xC778	2	Max/avg V2	V / 100	U32
51066	0xC77A	2	Max/avg V3	V / 100	U32
51068	0xC77C	2	Max/avg F	Hz / 100	U32
51070	0xC77E	2	Max/avg I1	A / 1000	U32
51072	0xC780	2	Max/avg I2	A / 1000	U32
51074	0xC782	2	Max/avg I3	A / 1000	U32
51076	0xC784	2	Max/avg In	A / 1000	U32
51078	0xC786	2	Max/avg P+	W / 0.1	U32

51091	0xC793	1	Reserved	-	-
51092	0xC794	1	Reserved	-	-
51093	0xC795	1	Reserved	-	-

Metrology No Affected by current and voltage transformers

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
51280	0xC850	Info	35	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
51280	0xC850	1	Hour Meter	h / 100	U16
51281	0xC851	1	Phase to Phase Voltage: U12	V / 100	U16
51282	0xC852	1	Phase to Phase Voltage: U23	V / 100	U16
51283	0xC853	1	Phase to Phase Voltage: U31	V / 100	U16
51284	0xC854	1	Simple voltage : V1	V / 100	U16
51285	0xC855	1	Simple voltage : V2	V / 100	U16
51286	0xC856	1	Simple voltage : V3	V / 100	U16
51287	0xC857	1	Frequency : F	Hz / 100	U16
51288	0xC858	1	Current : I1	A / 1000	U16
51289	0xC859	1	Current : I2	A / 1000	U16
51290	0xC85A	1	Current : I3	A / 1000	U16
51291	0xC85B	1	Neutral Current : In	A / 1000	U16
51292	0xC85C	1	? active Power +/- : P	W / 0.1	S16
51293	0xC85D	1	? reactive Power +/- : Q	var / 0.1	S16
51294	0xC85E	1	? apparent power : S	VA / 0.1	U16
51295	0xC85F	1	? power factor : -: leading and + : lagging : PF	- / 1000	S16
51296	0xC860	1	Active Power phase 1 +/- : P1	W / 0.1	S16
51297	0xC861	1	Active Power phase 2 +/- : P2	W / 0.1	S16

51305	0xC869	1	Power Factor phase 1 -: leading and + : lagging : PF1	- / 1000	S16
51306	0xC86A	1	Power Factor phase 2 -: leading and + : lagging : PF2	- / 1000	S16
51307	0xC86B	1	Power Factor phase 3 -: leading and + : lagging : PF3	- / 1000	S16
51308	0xC86C	1	System value I Sys : (I1+I2+I3) / 3	A / 1000	U16
51309	0xC86D	1	System value U Sys : (U12 + U23 + U31) / 3	V / 10	U16
51310	0xC86E	1	System value V Sys : (V1 + V2 + V3) / 3	V / 10	U16
51311	0xC86F	1	Total Positive Active Energy (no resetable) : Ea+	Wh / 1E-06	U16
51312	0xC870	1	Total Negative Active Energy (no resetable) : Ea-	varh / 1E-06	U16
51313	0xC871	1	Total Positive Reactive Energy (no resetable) : Er +	Wh / 1E-06	U16
51314	0xC872	1	Total Negative Reactive Energy (no resetable) : Er -	varh / 1E-06	U16

THD

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
51536	0xC950	Info	10	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
51536	0xC950	1	thd U12	% / 10	U16
51537	0xC951	1	thd U23	% / 10	U16
51538	0xC952	1	thd U31	% / 10	U16
51539	0xC953	1	thd V1	% / 10	U16
51540	0xC954	1	thd V2	% / 10	U16
51541	0xC955	1	thd V3	% / 10	U16
51542	0xC956	1	thd I1	% / 10	U16
51543	0xC957	1	thd I2	% / 10	U16
51544	0xC958	1	thd I3	% / 10	U16
51545	0xC959	1	thd In	% / 10	U16

h : harmonic order

51546	0xC95A	1	Number of harmonic rows	-	U16
51547	0xC95B	1	harmonic I1 row 3	% / 10	U16
51548	0xC95C	1	harmonic I2 row 3	% / 10	U16
51549	0xC95D	1	harmonic I3 row 3	% / 10	U16
51550	0xC95E	1	harmonic IN row 3	% / 10	U16
51551	0xC95F	1	harmonic I1 row 5	% / 10	U16
51552	0xC960	1	harmonic I2 row 5	% / 10	U16
51553	0xC961	1	harmonic I3 row 5	% / 10	U16
51554	0xC962	1	harmonic IN row 5	% / 10	U16
51555	0xC963	1	harmonic I1 row 7	% / 10	U16
51556	0xC964	1	harmonic I2 row 7	% / 10	U16
51557	0xC965	1	harmonic I3 row 7	% / 10	U16
51558	0xC966	1	harmonic IN row 7	% / 10	U16
51559	0xC967	1	harmonic I1 row 9	% / 10	U16
51560	0xC968	1	harmonic I2 row 9	% / 10	U16
51561	0xC969	1	harmonic I3 row 9	% / 10	U16
51562	0xC96A	1	harmonic IN row 9	% / 10	U16
51563	0xC96B	1	harmonic I1 row 11	% / 10	U16
51564	0xC96C	1	harmonic I2 row 11	% / 10	U16
51565	0xC96D	1	harmonic I3 row 11	% / 10	U16
51566	0xC96E	1	harmonic IN row 11	% / 10	U16
51567	0xC96F	1	harmonic I1 row 13	% / 10	U16
51568	0xC970	1	harmonic I2 row 13	% / 10	U16
51569	0xC971	1	harmonic I3 row 13	% / 10	U16
51570	0xC972	1	harmonic IN row 13	% / 10	U16
51571	0xC973	1	harmonic I1 row 15	% / 10	U16
51572	0xC974	1	harmonic I2 row 15	% / 10	U16
51573	0xC975	1	harmonic I3 row 15	% / 10	U16
51574	0xC976	1	harmonic IN row 15	% / 10	U16

51582	0xC97E	1	harmonic IN row 19	% / 10	U16
51583	0xC97F	1	harmonic I1 row 21	% / 10	U16
51584	0xC980	1	harmonic I2 row 21	% / 10	U16
51585	0xC981	1	harmonic I3 row 21	% / 10	U16
51586	0xC982	1	harmonic IN row 21	% / 10	U16
51587	0xC983	1	harmonic I1 row 23	% / 10	U16
51588	0xC984	1	harmonic I2 row 23	% / 10	U16
51589	0xC985	1	harmonic I3 row 23	% / 10	U16
51590	0xC986	1	harmonic IN row 23	% / 10	U16
51591	0xC987	1	harmonic I1 row 25	% / 10	U16
51592	0xC988	1	harmonic I2 row 25	% / 10	U16
51593	0xC989	1	harmonic I3 row 25	% / 10	U16
51594	0xC98A	1	harmonic IN row 25	% / 10	U16
51595	0xC98B	1	harmonic I1 row 27	% / 10	U16
51596	0xC98C	1	harmonic I2 row 27	% / 10	U16
51597	0xC98D	1	harmonic I3 row 27	% / 10	U16
51598	0xC98E	1	harmonic IN row 27	% / 10	U16
51599	0xC98F	1	harmonic I1 row 29	% / 10	U16
51600	0xC990	1	harmonic I2 row 29	% / 10	U16
51601	0xC991	1	harmonic I3 row 29	% / 10	U16
51602	0xC992	1	harmonic IN row 29	% / 10	U16
51603	0xC993	1	harmonic I1 row 31	% / 10	U16
51604	0xC994	1	harmonic I2 row 31	% / 10	U16
51605	0xC995	1	harmonic I3 row 31	% / 10	U16
51606	0xC996	1	harmonic IN row 31	% / 10	U16
51607	0xC997	1	harmonic I1 row 33	% / 10	U16
51608	0xC998	1	harmonic I2 row 33	% / 10	U16
51609	0xC999	1	harmonic I3 row 33	% / 10	U16
51610	0xC99A	1	harmonic IN row 33	% / 10	U16

51618	0xC9A2	1	harmonic IN row 37	% / 10	U16
51619	0xC9A3	1	harmonic I1 row 39	% / 10	U16
51620	0xC9A4	1	harmonic I2 row 39	% / 10	U16
51621	0xC9A5	1	harmonic I3 row 39	% / 10	U16
51622	0xC9A6	1	harmonic IN row 39	% / 10	U16
51623	0xC9A7	1	harmonic I1 row 41	% / 10	U16
51624	0xC9A8	1	harmonic I2 row 41	% / 10	U16
51625	0xC9A9	1	harmonic I3 row 41	% / 10	U16
51626	0xC9AA	1	harmonic IN row 41	% / 10	U16
51627	0xC9AB	1	harmonic I1 row 43	% / 10	U16
51628	0xC9AC	1	harmonic I2 row 43	% / 10	U16
51629	0xC9AD	1	harmonic I3 row 43	% / 10	U16
51630	0xC9AE	1	harmonic IN row 43	% / 10	U16
51631	0xC9AF	1	harmonic I1 row 45	% / 10	U16
51632	0xC9B0	1	harmonic I2 row 45	% / 10	U16
51633	0xC9B1	1	harmonic I3 row 45	% / 10	U16
51634	0xC9B2	1	harmonic IN row 45	% / 10	U16
51635	0xC9B3	1	harmonic I1 row 47	% / 10	U16
51636	0xC9B4	1	harmonic I2 row 47	% / 10	U16
51637	0xC9B5	1	harmonic I3 row 47	% / 10	U16
51638	0xC9B6	1	harmonic IN row 47	% / 10	U16
51639	0xC9B7	1	harmonic I1 row 49	% / 10	U16
51640	0xC9B8	1	harmonic I2 row 49	% / 10	U16
51641	0xC9B9	1	harmonic I3 row 49	% / 10	U16
51642	0xC9BA	1	harmonic IN row 49	% / 10	U16
51643	0xC9BB	1	harmonic I1 row 51	% / 10	U16
51644	0xC9BC	1	harmonic I2 row 51	% / 10	U16
51645	0xC9BD	1	harmonic I3 row 51	% / 10	U16
51646	0xC9BE	1	harmonic IN row 51	% / 10	U16

51654	0xC9C6	1	harmonic IN row 55	% / 10	U16
51655	0xC9C7	1	harmonic I1 row 57	% / 10	U16
51656	0xC9C8	1	harmonic I2 row 57	% / 10	U16
51657	0xC9C9	1	harmonic I3 row 57	% / 10	U16
51658	0xC9CA	1	harmonic IN row 57	% / 10	U16
51659	0xC9CB	1	harmonic I1 row 59	% / 10	U16
51660	0xC9CC	1	harmonic I2 row 59	% / 10	U16
51661	0xC9CD	1	harmonic I3 row 59	% / 10	U16
51662	0xC9CE	1	harmonic IN row 59	% / 10	U16
51663	0xC9CF	1	harmonic I1 row 61	% / 10	U16
51664	0xC9D0	1	harmonic I2 row 61	% / 10	U16
51665	0xC9D1	1	harmonic I3 row 61	% / 10	U16
51666	0xC9D2	1	harmonic IN row 61	% / 10	U16
51667	0xC9D3	1	harmonic I1 row 63	% / 10	U16
51668	0xC9D4	1	harmonic I2 row 63	% / 10	U16
51669	0xC9D5	1	harmonic I3 row 63	% / 10	U16
51670	0xC9D6	1	harmonic IN row 63	% / 10	U16

V PH/Ph :harmonic order

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
51671	0xC9D7	Info	94	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
51671	0xC9D7	1	Number of harmonic rows	-	U16
51672	0xC9D8	1	harmonic U12 row 3	% / 10	U16
51673	0xC9D9	1	harmonic U23 row 3	% / 10	U16
51674	0xC9DA	1	harmonic U31 row 3	% / 10	U16

51682	0xC9E2	1	harmonic U23 row 9	% / 10	U16
51683	0xC9E3	1	harmonic U31 row 9	% / 10	U16
51684	0xC9E4	1	harmonic U12 row 11	% / 10	U16
51685	0xC9E5	1	harmonic U23 row 11	% / 10	U16
51686	0xC9E6	1	harmonic U31 row 11	% / 10	U16
51687	0xC9E7	1	harmonic U12 row 13	% / 10	U16
51688	0xC9E8	1	harmonic U23 row 13	% / 10	U16
51689	0xC9E9	1	harmonic U31 row 13	% / 10	U16
51690	0xC9EA	1	harmonic U12 row 15	% / 10	U16
51691	0xC9EB	1	harmonic U23 row 15	% / 10	U16
51692	0xC9EC	1	harmonic U31 row 15	% / 10	U16
51693	0xC9ED	1	harmonic U12 row 17	% / 10	U16
51694	0xC9EE	1	harmonic U23 row 17	% / 10	U16
51695	0xC9EF	1	harmonic U31 row 17	% / 10	U16
51696	0xC9F0	1	harmonic U12 row 19	% / 10	U16
51697	0xC9F1	1	harmonic U23 row 19	% / 10	U16
51698	0xC9F2	1	harmonic U31 row 19	% / 10	U16
51699	0xC9F3	1	harmonic U12 row 21	% / 10	U16
51700	0xC9F4	1	harmonic U23 row 21	% / 10	U16
51701	0xC9F5	1	harmonic U31 row 21	% / 10	U16
51702	0xC9F6	1	harmonic U12 row 23	% / 10	U16
51703	0xC9F7	1	harmonic U23 row 23	% / 10	U16
51704	0xC9F8	1	harmonic U31 row 23	% / 10	U16
51705	0xC9F9	1	harmonic U12 row 25	% / 10	U16
51706	0xC9FA	1	harmonic U23 row 25	% / 10	U16
51707	0xC9FB	1	harmonic U31 row 25	% / 10	U16
51708	0xC9FC	1	harmonic U12 row 27	% / 10	U16
51709	0xC9FD	1	harmonic U23 row 27	% / 10	U16
51710	0xC9FE	1	harmonic U31 row 27	% / 10	U16

51718	0xCA06	1	harmonic U23 row 33	% / 10	U16
51719	0xCA07	1	harmonic U31 row 33	% / 10	U16
51720	0xCA08	1	harmonic U12 row 35	% / 10	U16
51721	0xCA09	1	harmonic U23 row 35	% / 10	U16
51722	0xCA0A	1	harmonic U31 row 35	% / 10	U16
51723	0xCA0B	1	harmonic U12 row 37	% / 10	U16
51724	0xCA0C	1	harmonic U23 row 37	% / 10	U16
51725	0xCA0D	1	harmonic U31 row 37	% / 10	U16
51726	0xCA0E	1	harmonic U12 row 39	% / 10	U16
51727	0xCA0F	1	harmonic U23 row 39	% / 10	U16
51728	0xCA10	1	harmonic U31 row 39	% / 10	U16
51729	0xCA11	1	harmonic U12 row 41	% / 10	U16
51730	0xCA12	1	harmonic U23 row 41	% / 10	U16
51731	0xCA13	1	harmonic U31 row 41	% / 10	U16
51732	0xCA14	1	harmonic U12 row 43	% / 10	U16
51733	0xCA15	1	harmonic U23 row 43	% / 10	U16
51734	0xCA16	1	harmonic U31 row 43	% / 10	U16
51735	0xCA17	1	harmonic U12 row 45	% / 10	U16
51736	0xCA18	1	harmonic U23 row 45	% / 10	U16
51737	0xCA19	1	harmonic U31 row 45	% / 10	U16
51738	0xCA1A	1	harmonic U12 row 47	% / 10	U16
51739	0xCA1B	1	harmonic U23 row 47	% / 10	U16
51740	0xCA1C	1	harmonic U31 row 47	% / 10	U16
51741	0xCA1D	1	harmonic U12 row 49	% / 10	U16
51742	0xCA1E	1	harmonic U23 row 49	% / 10	U16
51743	0xCA1F	1	harmonic U31 row 49	% / 10	U16
51744	0xCA20	1	harmonic U12 row 51	% / 10	U16
51745	0xCA21	1	harmonic U23 row 51	% / 10	U16
51746	0xCA22	1	harmonic U31 row 51	% / 10	U16

51754	0xCA2A	1	harmonic U23 row 57	% / 10	U16
51755	0xCA2B	1	harmonic U31 row 57	% / 10	U16
51756	0xCA2C	1	harmonic U12 row 59	% / 10	U16
51757	0xCA2D	1	harmonic U23 row 59	% / 10	U16
51758	0xCA2E	1	harmonic U31 row 59	% / 10	U16
51759	0xCA2F	1	harmonic U12 row 61	% / 10	U16
51760	0xCA30	1	harmonic U23 row 61	% / 10	U16
51761	0xCA31	1	harmonic U31 row 61	% / 10	U16
51762	0xCA32	1	harmonic U12 row 63	% / 10	U16
51763	0xCA33	1	harmonic U23 row 63	% / 10	U16
51764	0xCA34	1	harmonic U31 row 63	% / 10	U16

V PH/N : harmonic order

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
51765	0xCA35	Info	94	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
51765	0xCA35	1	Number of harmonic rows	-	U16
51766	0xCA36	1	harmonic V1 row 3	% / 10	U16
51767	0xCA37	1	harmonic V2 row 3	% / 10	U16
51768	0xCA38	1	harmonic V3 row 3	% / 10	U16
51769	0xCA39	1	harmonic V1 row 5	% / 10	U16
51770	0xCA3A	1	harmonic V2 row 5	% / 10	U16
51771	0xCA3B	1	harmonic V3 row 5	% / 10	U16
51772	0xCA3C	1	harmonic V1 row 7	% / 10	U16
51773	0xCA3D	1	harmonic V2 row 7	% / 10	U16
51774	0xCA3E	1	harmonic V3 row 7	% / 10	U16

51782	0xCA46	1	harmonic V2 row 13	% / 10	U16
51783	0xCA47	1	harmonic V3 row 13	% / 10	U16
51784	0xCA48	1	harmonic V1 row 15	% / 10	U16
51785	0xCA49	1	harmonic V2 row 15	% / 10	U16
51786	0xCA4A	1	harmonic V3 row 15	% / 10	U16
51787	0xCA4B	1	harmonic V1 row 17	% / 10	U16
51788	0xCA4C	1	harmonic V2 row 17	% / 10	U16
51789	0xCA4D	1	harmonic V3 row 17	% / 10	U16
51790	0xCA4E	1	harmonic V1 row 19	% / 10	U16
51791	0xCA4F	1	harmonic V2 row 19	% / 10	U16
51792	0xCA50	1	harmonic V3 row 19	% / 10	U16
51793	0xCA51	1	harmonic V1 row 21	% / 10	U16
51794	0xCA52	1	harmonic V2 row 21	% / 10	U16
51795	0xCA53	1	harmonic V3 row 21	% / 10	U16
51796	0xCA54	1	harmonic V1 row 23	% / 10	U16
51797	0xCA55	1	harmonic V2 row 23	% / 10	U16
51798	0xCA56	1	harmonic V3 row 23	% / 10	U16
51799	0xCA57	1	harmonic V1 row 25	% / 10	U16
51800	0xCA58	1	harmonic V2 row 25	% / 10	U16
51801	0xCA59	1	harmonic V3 row 25	% / 10	U16
51802	0xCA5A	1	harmonic V1 row 27	% / 10	U16
51803	0xCA5B	1	harmonic V2 row 27	% / 10	U16
51804	0xCA5C	1	harmonic V3 row 27	% / 10	U16
51805	0xCA5D	1	harmonic V1 row 29	% / 10	U16
51806	0xCA5E	1	harmonic V2 row 29	% / 10	U16
51807	0xCA5F	1	harmonic V3 row 29	% / 10	U16
51808	0xCA60	1	harmonic V1 row 31	% / 10	U16
51809	0xCA61	1	harmonic V2 row 31	% / 10	U16
51810	0xCA62	1	harmonic V3 row 31	% / 10	U16

51818	0xCA6A	1	harmonic V2 row 37	% / 10	U16
51819	0xCA6B	1	harmonic V3 row 37	% / 10	U16
51820	0xCA6C	1	harmonic V1 row 39	% / 10	U16
51821	0xCA6D	1	harmonic V2 row 39	% / 10	U16
51822	0xCA6E	1	harmonic V3 row 39	% / 10	U16
51823	0xCA6F	1	harmonic V1 row 41	% / 10	U16
51824	0xCA70	1	harmonic V2 row 41	% / 10	U16
51825	0xCA71	1	harmonic V3 row 41	% / 10	U16
51826	0xCA72	1	harmonic V1 row 43	% / 10	U16
51827	0xCA73	1	harmonic V2 row 43	% / 10	U16
51828	0xCA74	1	harmonic V3 row 43	% / 10	U16
51829	0xCA75	1	harmonic V1 row 45	% / 10	U16
51830	0xCA76	1	harmonic V2 row 45	% / 10	U16
51831	0xCA77	1	harmonic V3 row 45	% / 10	U16
51832	0xCA78	1	harmonic V1 row 47	% / 10	U16
51833	0xCA79	1	harmonic V2 row 47	% / 10	U16
51834	0xCA7A	1	harmonic V3 row 47	% / 10	U16
51835	0xCA7B	1	harmonic V1 row 49	% / 10	U16
51836	0xCA7C	1	harmonic V2 row 49	% / 10	U16
51837	0xCA7D	1	harmonic V3 row 49	% / 10	U16
51838	0xCA7E	1	harmonic V1 row 51	% / 10	U16
51839	0xCA7F	1	harmonic V2 row 51	% / 10	U16
51840	0xCA80	1	harmonic V3 row 51	% / 10	U16
51841	0xCA81	1	harmonic V1 row 53	% / 10	U16
51842	0xCA82	1	harmonic V2 row 53	% / 10	U16
51843	0xCA83	1	harmonic V3 row 53	% / 10	U16
51844	0xCA84	1	harmonic V1 row 55	% / 10	U16
51845	0xCA85	1	harmonic V2 row 55	% / 10	U16
51846	0xCA86	1	harmonic V3 row 55	% / 10	U16

51854	0xCA8E	1	harmonic V2 row 61	% / 10	U16
51855	0xCA8F	1	harmonic V3 row 61	% / 10	U16
51856	0xCA90	1	harmonic V1 row 63	% / 10	U16
51857	0xCA91	1	harmonic V2 row 63	% / 10	U16
51858	0xCA92	1	harmonic V3 row 63	% / 10	U16

Load curve P+

Command

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
61440	0xF000	Command	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
61440	0xF000	1	Action 0x0001 : Reset read pointer 0xFFFE : Get next data	-	U16_HEX

Header

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
61456	0xF010	Header	6	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
61456	0xF010	1	Record count (Maximum 29)	-	U8
61457	0xF011	1	Record size : 4 see below the data record description	W	U8
61458	0xF012	1	Integration period	s	U16
61459	0xF013	1	Physical Unit : 0 0 : W 1 : W 2 : var	-	U8

			26 : kJ 27 : kilo-Pulse		
61460	0xF014	1	Numerator Rate	-	U16
61461	0xF015	1	Denominator Rate	-	U16

Data

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
61462	0xF016	Data	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
61462	0xF016	2	Date	s	DATETIME
61464	0xF018	1	Full/incomplete period 0 : full integration period 1 : incomplete integration period	-	U8
61465	0xF019	1	Value without CT*VT rate	min	U16

Load curve P-

Command

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
61696	0xF100	Command	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
61696	0xF100	1	Action 0x0001 : Reset read pointer 0xFFFE : Get next data	-	U16_HEX

Header

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts

61715	0xF113	1	Physical Unit : 1 0 : W 1 : W 2 : var 3 : var 4 : VA 5 : None 6 : J 7 : Pulse 8 : m3 9 : Nm3 20 : kW 22 : kVAr 24 : kVA 26 : kJ 27 : kilo-Pulse	-	U8
61716	0xF114	1	Numerator Rate	-	U16
61717	0xF115	1	Denominator Rate	-	U16

Data

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
61718	0xF116	Data	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
61718	0xF116	2	Date	s	DATETIME
61720	0xF118	1	Full/incomplete period 0 : full integration period 1 : incomplete integration period	-	U8
61721	0xF119	1	Value without CT*VT rate	min	U16

Load curve Q+

Command

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts

Header

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
61968	0xF210	Header	6	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
61968	0xF210	1	Record count (Maximum 29)	-	U8
61969	0xF211	1	Record size : 4 see below the data record description	W	U8
61970	0xF212	1	Integration period	s	U16
61971	0xF213	1	Physical Unit : 2 0 : W 1 : W 2 : var 3 : var 4 : VA 5 : None 6 : J 7 : Pulse 8 : m3 9 : Nm3 20 : kW 22 : kVAr 24 : kVA 26 : kJ 27 : kilo-Pulse	-	U8
61972	0xF214	1	Numerator Rate	-	U16
61973	0xF215	1	Denominator Rate	-	U16

Data

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
61974	0xF216	Data	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type

Command

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
62208	0xF300	Command	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
62208	0xF300	1	Action 0x0001 : Reset read pointer 0xFFFE : Get next data	-	U16_HEX

Header

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
62224	0xF310	Header	6	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
62224	0xF310	1	Record count (Maximum 29)	-	U8
62225	0xF311	1	Record size : 4 see below the data record description	W	U8
62226	0xF312	1	Integration period	s	U16
62227	0xF313	1	Physical Unit : 3 0 : W 1 : W 2 : var 3 : var 4 : VA 5 : None 6 : J 7 : Pulse 8 : m3 9 : Nm3 20 : kW 22 : kVAr 24 : kVA 26 : kJ	-	U8

62230	0xF316	Data	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
62230	0xF316	2	Date	s	DATETIME
62232	0xF318	1	Full/incomplete period 0 : full integration period 1 : incomplete integration period	-	U8
62233	0xF319	1	Value without CT*VT rate	min	U16

Load curve S

Command

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
62464	0xF400	Command	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
62464	0xF400	1	Action 0x0001 : Reset read pointer 0xFFFE : Get next data	-	U16_HEX

Header

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
62480	0xF410	Header	6	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
62480	0xF410	1	Record count (Maximum 29)	-	U8
62481	0xF411	1	Record size : 4 see below the data record description	W	U8
62482	0xF412	1	Integration period	s	U16
62483	0xF413	1	Physical Unit : 4		U8

			9 : Nm3 20 : kW 22 : kVAr 24 : kVA 26 : kJ 27 : kilo-Pulse		
62484	0xF414	1	Numerator Rate	-	U16
62485	0xF415	1	Denominator Rate	-	U16

Data

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
62486	0xF416	Data	4	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
62486	0xF416	2	Date	s	DATETIME
62488	0xF418	1	Full/incomplete period 0 : full integration period 1 : incomplete integration period	-	U8
62489	0xF419	1	Value without CT*VT rate	min	U16

Specific

Minimum and Maximum Instantanious value

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
3840	0x0F00	Info	240	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
3840	0x0F00	2	3I Minimum	A / 1000	U32

3850	0x0F0A	1	Day	-	U8
3851	0x0F0B	1	Month	-	U8
3852	0x0F0C	1	Year	-	U8
3853	0x0F0D	1	Hour	-	U8
3854	0x0F0E	1	Minute	-	U8
3855	0x0F0F	1	Second	-	U8
3856	0x0F10	2	IN Minimum	A / 1000	U32
3858	0x0F12	1	Day	-	U8
3859	0x0F13	1	Month	-	U8
3860	0x0F14	1	Year	-	U8
3861	0x0F15	1	Hour	-	U8
3862	0x0F16	1	Minute	-	U8
3863	0x0F17	1	Second	-	U8
3864	0x0F18	2	In Maximum	A / 1000	U32
3866	0x0F1A	1	Day	-	U8
3867	0x0F1B	1	Month	-	U8
3868	0x0F1C	1	Year	-	U8
3869	0x0F1D	1	Hour	-	U8
3870	0x0F1E	1	Minute	-	U8
3871	0x0F1F	1	Second	-	U8
3872	0x0F20	2	3U Minimum	V / 100	U32
3874	0x0F22	1	Day	-	U8
3875	0x0F23	1	Month	-	U8
3876	0x0F24	1	Year	-	U8
3877	0x0F25	1	Hour	-	U8
3878	0x0F26	1	Minute	-	U8
3879	0x0F27	1	Second	-	U8
3880	0x0F28	2	3U Maximum	V / 100	U32
3882	0x0F2A	1	Day	-	U8

3891	0x0F33	1	Month	-	U8
3892	0x0F34	1	Year	-	U8
3893	0x0F35	1	Hour	-	U8
3894	0x0F36	1	Minute	-	U8
3895	0x0F37	1	Second	-	U8
3896	0x0F38	2	3V Maximum	V / 100	U32
3898	0x0F3A	1	Day	-	U8
3899	0x0F3B	1	Month	-	U8
3900	0x0F3C	1	Year	-	U8
3901	0x0F3D	1	Hour	-	U8
3902	0x0F3E	1	Minute	-	U8
3903	0x0F3F	1	Second	-	U8
3904	0x0F40	2	F Minimum	Hz / 100	U32
3906	0x0F42	1	Day	-	U8
3907	0x0F43	1	Month	-	U8
3908	0x0F44	1	Year	-	U8
3909	0x0F45	1	Hour	-	U8
3910	0x0F46	1	Minute	-	U8
3911	0x0F47	1	Second	-	U8
3912	0x0F48	2	F Maximum	Hz / 100	U32
3914	0x0F4A	1	Day	-	U8
3915	0x0F4B	1	Month	-	U8
3916	0x0F4C	1	Year	-	U8
3917	0x0F4D	1	Hour	-	U8
3918	0x0F4E	1	Minute	-	U8
3919	0x0F4F	1	Second	-	U8
3920	0x0F50	2	?PF Minimum	- / 1000	U32
3922	0x0F52	1	Day	-	U8
3923	0x0F53	1	Month	-	U8

3932	0x0F5C	1	Year	-	U8
3933	0x0F5D	1	Hour	-	U8
3934	0x0F5E	1	Minute	-	U8
3935	0x0F5F	1	Second	-	U8
3936	0x0F60	2	?P+ Minimum	W	U32
3938	0x0F62	1	Day	-	U8
3939	0x0F63	1	Month	-	U8
3940	0x0F64	1	Year	-	U8
3941	0x0F65	1	Hour	-	U8
3942	0x0F66	1	Minute	-	U8
3943	0x0F67	1	Second	-	U8
3944	0x0F68	2	?P+ Maximum	W	U32
3946	0x0F6A	1	Day	-	U8
3947	0x0F6B	1	Month	-	U8
3948	0x0F6C	1	Year	-	U8
3949	0x0F6D	1	Hour	-	U8
3950	0x0F6E	1	Minute	-	U8
3951	0x0F6F	1	Second	-	U8
3952	0x0F70	2	?P- Minimum	W	U32
3954	0x0F72	1	Day	-	U8
3955	0x0F73	1	Month	-	U8
3956	0x0F74	1	Year	-	U8
3957	0x0F75	1	Hour	-	U8
3958	0x0F76	1	Minute	-	U8
3959	0x0F77	1	Second	-	U8
3960	0x0F78	2	?P- Maximum	W	U32
3962	0x0F7A	1	Day	-	U8
3963	0x0F7B	1	Month	-	U8
3964	0x0F7C	1	Year	-	U8

3973	0x0F85	1	Hour	-	U8
3974	0x0F86	1	Minute	-	U8
3975	0x0F87	1	Second	-	U8
3976	0x0F88	2	?Q+ Maximum	var	U32
3978	0x0F8A	1	Day	-	U8
3979	0x0F8B	1	Month	-	U8
3980	0x0F8C	1	Year	-	U8
3981	0x0F8D	1	Hour	-	U8
3982	0x0F8E	1	Minute	-	U8
3983	0x0F8F	1	Second	-	U8
3984	0x0F90	2	?Q- Minimum	var	U32
3986	0x0F92	1	Day	-	U8
3987	0x0F93	1	Month	-	U8
3988	0x0F94	1	Year	-	U8
3989	0x0F95	1	Hour	-	U8
3990	0x0F96	1	Minute	-	U8
3991	0x0F97	1	Second	-	U8
3992	0x0F98	2	?Q- Maximum	var	U32
3994	0x0F9A	1	Day	-	U8
3995	0x0F9B	1	Month	-	U8
3996	0x0F9C	1	Year	-	U8
3997	0x0F9D	1	Hour	-	U8
3998	0x0F9E	1	Minute	-	U8
3999	0x0F9F	1	Second	-	U8
4000	0x0FA0	2	?S Minimum	VAh	U32
4002	0x0FA2	1	Day	-	U8
4003	0x0FA3	1	Month	-	U8
4004	0x0FA4	1	Year	-	U8
4005	0x0FA5	1	Hour	-	U8

4014	0x0FAE	1	Minute	-	U8
4015	0x0FAF	1	Second	-	U8
4016	0x0FB0	2	THD 3I Minimum	% / 10	U32
4018	0x0FB2	1	Day	-	U8
4019	0x0FB3	1	Month	-	U8
4020	0x0FB4	1	Year	-	U8
4021	0x0FB5	1	Hour	-	U8
4022	0x0FB6	1	Minute	-	U8
4023	0x0FB7	1	Second	-	U8
4024	0x0FB8	2	THD 3I Maximum	% / 10	U32
4026	0x0FBA	1	Day	-	U8
4027	0x0FBB	1	Month	-	U8
4028	0x0FBC	1	Year	-	U8
4029	0x0FBD	1	Hour	-	U8
4030	0x0FBE	1	Minute	-	U8
4031	0x0FBF	1	Second	- / 10	U8
4032	0x0FC0	2	THD IN Minimum	-	U32
4034	0x0FC2	1	Day	-	U8
4035	0x0FC3	1	Month	-	U8
4036	0x0FC4	1	Year	-	U8
4037	0x0FC5	1	Hour	-	U8
4038	0x0FC6	1	Minute	-	U8
4039	0x0FC7	1	Second	-	U8
4040	0x0FC8	2	THD IN Maximum	% / 10	U32
4042	0x0FCA	1	Day	-	U8
4043	0x0FCB	1	Month	-	U8
4044	0x0FCC	1	Year	-	U8
4045	0x0FCD	1	Hour	-	U8
4046	0x0FCE	1	Minute	-	U8

4055	0x0FD7	1	Second	-	U8
4056	0x0FD8	2	THD 3U Maximum	% / 10	U32
4058	0x0FDA	1	Day	-	U8
4059	0x0FDB	1	Month	-	U8
4060	0x0FDC	1	Year	-	U8
4061	0x0FDD	1	Hour	-	U8
4062	0x0FDE	1	Minute	-	U8
4063	0x0FDF	1	Second	-	U8
4064	0x0FE0	2	THD 3V Minimum	% / 10	U32
4066	0x0FE2	1	Day	-	U8
4067	0x0FE3	1	Month	-	U8
4068	0x0FE4	1	Year	-	U8
4069	0x0FE5	1	Hour	-	U8
4070	0x0FE6	1	Minute	-	U8
4071	0x0FE7	1	Second	-	U8
4072	0x0FE8	2	THD 3V Maximum	% / 10	U32
4074	0x0FEA	1	Day	-	U8
4075	0x0FEB	1	Month	-	U8
4076	0x0FEC	1	Year	-	U8
4077	0x0FED	1	Hour	-	U8
4078	0x0FEE	1	Minute	-	U8
4079	0x0FEF	1	Second	-	U8

Measurement CT/VT affected

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
768	0x0300	Info	164	NONE	READ	READ

Dec	Hex	Words	Description	Unit	Data type

780	0x030C	2	Phase to Phase Voltage: U31	V / 100	U32
782	0x030E	2	Phase to Neutral voltage phase 1	V / 100	U32
784	0x0310	2	Phase to Neutral voltage phase 2	V / 100	U32
786	0x0312	2	Phase to Neutral voltage phase 3	V / 100	U32
788	0x0314	2	Frequency	Hz / 100	U32
790	0x0316	2	? active power +/- : P	W / 0.1	S32
792	0x0318	2	? reactive power +/- : Q	var / 0.1	S32
794	0x031A	2	? apparent power : S	VA / 0.1	U32
796	0x031C	2	? power factor : -: leadiing et + : lagging : PF	- / 1000	S32
798	0x031E	2	Active Power phase1 +/-	W / 0.1	S32
800	0x0320	2	Active Power phase2 +/-	W / 0.1	S32
802	0x0322	2	Active Power phase3 +/-	W / 0.1	S32
804	0x0324	2	Reactive Power phase1 +/-	var / 0.1	S32
806	0x0326	2	Reactive Power phase2 +/-	var / 0.1	S32
808	0x0328	2	Reactive Power phase3 +/-	var / 0.1	S32
810	0x032A	2	Apparent Power phase1	VA / 0.1	U32
812	0x032C	2	Apparent Power phase2	VA / 0.1	U32
814	0x032E	2	Apparent Power phase3	VA / 0.1	U32
816	0x0330	2	Power factor phase 1 -:leading and +: lagging	- / 1000	S32
818	0x0332	2	Power factor phase 2 -:leading and +: lagging	- / 1000	S32
820	0x0334	2	Power factor phase 3 -:leading and +: lagging	- / 1000	S32
822	0x0336	2	avg I1	A / 1000	U32
824	0x0338	2	avg I2	A / 1000	U32
826	0x033A	2	avg I3	A / 1000	U32
828	0x033C	2	avg ?active power +	W / 0.1	U32
830	0x033E	2	avg ?active power -	W / 0.1	U32
832	0x0340	2	avg ?reactive power +	var / 0.1	U32
834	0x0342	2	avg ?reactive power -	var / 0.1	U32
836	0x0344	2	avg ? apparent power	VA / 0.1	U32

852	0x0354	2	max/avg ? apparent power	VA / 0.1	U32
854	0x0356	2	Hour meter	h / 100	U32
856	0x0358	2	Active Energy +	Wh / 0.001	U32
858	0x035A	2	Reactive Energy +	varh / 0.001	U32
860	0x035C	2	Apparent Energy	VAh / 0.001	U32
862	0x035E	2	Active Energy -	Wh / 0.001	U32
864	0x0360	2	Reactive Energy -	varh / 0.001	U32
866	0x0362	2	Input pulse meter 1	-	U32
868	0x0364	2	Input pulse meter 2	-	U32
870	0x0366	2	Number of input pulse meters	-	U32
872	0x0368	2	Alarm in progress (Timer finished) - bit field: bit 1: Ibit 2: Inbit 3: Ubit 4: Vbit 5: ?P+bit 6: ?Q+ bit 7: ?S bit 8: F bit 9: ?PF (L)bit 10: Timebit 11: THD I bit 12: THD Inbit 13: THD Ubit 14: THD Vbit 15: ?P-bit 16: ?Q-bit 17: ?PF (C)bit 18: T?C 1bit 19: T?C 2bit 20: T?C 3bit 21: T?C 4bit 22: P Predictedbit 23: Q predictedbit 24: S Predicted	-	U32
874	0x036A	2	Alarm detected (Timer in progress) - bit field: bit 1: Ibit 2: Inbit 3: Ubit 4: Vbit 5: ?P+bit 6: ?Q+ bit 7: ?S bit 8: F bit 9: ?PF (L)bit 10: Timebit 11: THD I bit 12: THD Inbit 13: THD Ubit 14: THD Vbit 15: ?P-bit 16: ?Q-bit 17: ?PF (C)bit 18: T?C 1bit 19: T?C 2bit 20: T?C 3bit 21: T?C 4bit 22: P Predictedbit 23: Q predictedbit 24: S Predicted	-	U32
876	0x036C	2	Number of inputs-outputs : Low_order: number of inputs : High-order: number of outputs	-	U32
878	0x036E	2	Status of inputs-outputsbit 0 : status input 1 (0 : open, 1 : closed) bit 1 : status input 2 (0 : open, 1 : closed) bit 2 : status input 3 (0 : open, 1 : closed) bit 3 : status input 4 (0 : open, 1 : closed) bit 4 : status input 5 (0 : open, 1 : closed) bit 5 : status input 6 (0 : open, 1 : closed) bit 16 : statuis output 1 (0 : open, 1 : closed) bit 17 : statuis output 2 (0 : open, 1 : closed) bit 18 : statuis output 3 (0 : open, 1 : closed) bit 19 : statuis output 4 (0 : open, 1 : closed) bit 20 : statuis output 5 (0 : open, 1 : closed) bit 21 : statuis output 6 (0 : open, 1 : closed)	-	U32
880	0x0370	2	System value for current	A / 1000	U32
882	0x0372	2	System value for phase to phase voltage	V / 100	U32

898	0x0382	2	avg F	Hz / 100	U32
900	0x0384	2	max/avg U12	V / 100	U32
902	0x0386	2	max/avg U23	V / 100	U32
904	0x0388	2	max/avg U31	V / 100	U32
906	0x038A	2	max/avg V1	V / 100	U32
908	0x038C	2	max/avg V2	V / 100	U32
910	0x038E	2	max/avg V3	V / 100	U32
912	0x0390	2	max/avg F	Hz / 100	U32
914	0x0392	2	avg In	A / 1000	U32
916	0x0394	2	max/avg In	A / 1000	U32
918	0x0396	2	Mean positive active power between 2 signals	W / 0.1	U32
920	0x0398	2	Mean negative active power between 2 signals	W / 0.1	U32
922	0x039A	2	Mean positive reactive power between 2 signals	var / 0.1	U32
924	0x039C	2	Mean negative reactive power between 2 signals	var / 0.1	U32
926	0x039E	2	Predictive total Active power	W / 0.1	U32
928	0x03A0	2	Predictive total Reactive power	var / 0.1	U32
930	0x03A2	2	Predictive total Apparent power	VA / 0.1	U32

Measurement NO CT/VT affected

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
1792	0x0700	Info	103	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
1792	0x0700	1	Phase 1 Current	A / 1000	U16
1793	0x0701	1	Phase 2 Current	A / 1000	U16
1794	0x0702	1	Phase 3 Current	A / 1000	U16
1795	0x0703	1	Neutral Current	A / 1000	U16

1803	0x070B	1	? active power +/- : P	W	S16
1804	0x070C	1	? reactive power +/- : Q	var	S16
1805	0x070D	1	? apparent power : S	VA	U16
1806	0x070E	1	? power factor : -: leadiing et + : lagging : PF	- / 1000	S16
1807	0x070F	1	Active Power phase1 +/-	W	S16
1808	0x0710	1	Active Power phase2 +/-	W	S16
1809	0x0711	1	Active Power phase3 +/-	W	S16
1810	0x0712	1	Reactive Power phase1 +/-	var	S16
1811	0x0713	1	Reactive Power phase2 +/-	var	S16
1812	0x0714	1	Reactive Power phase3 +/-	var	S16
1813	0x0715	1	Apparent Power phase1	VA	U16
1814	0x0716	1	Apparent Power phase2	VA	U16
1815	0x0717	1	Apparent Power phase3	VA	U16
1816	0x0718	1	Power factor phase 1 -:leading and +: lagging	- / 1000	S16
1817	0x0719	1	Power factor phase 2 -:leading and +: lagging	- / 1000	S16
1818	0x071A	1	Power factor phase 3 -:leading and +: lagging	- / 1000	S16
1819	0x071B	1	avg I1	A / 1000	U16
1820	0x071C	1	avg I2	A / 1000	U16
1821	0x071D	1	avg I3	A / 1000	U16
1822	0x071E	1	avg ?active power +	W	U16
1823	0x071F	1	avg ?active power -	W	U16
1824	0x0720	1	avg ?reactive power +	var	U16
1825	0x0721	1	avg ?reactive power -	var	U16
1826	0x0722	1	avg ? apparent power	VA	U16
1827	0x0723	1	max/avg I1	A / 1000	U16
1828	0x0724	1	max/avg I2	A / 1000	U16
1829	0x0725	1	max/avg I3	A / 1000	U16
1830	0x0726	1	max/avg ?active power +	W	U16
1831	0x0727	1	max/avg ?active power -	W	U16

1839	0x072F	1	apparent Energy + < 10000	VAh / 0.001	U16
1840	0x0730	1	apparent Energy + > 10000	VAh / 0.001	U16
1841	0x0731	1	Active Energy- < 10000	Wh / 0.001	U16
1842	0x0732	1	Active Energy - >10000	Wh / 0.001	U16
1843	0x0733	1	Reactive Energy- < 10000	varh / 0.001	U16
1844	0x0734	1	Reactive Energy - > 10000	varh / 0.001	U16
1845	0x0735	1	input pulse meter 1 < 10000	-	U16
1846	0x0736	1	input pulse meter 1 > 10000	-	U16
1847	0x0737	1	input pulse meter 2 < 10000	-	U16
1848	0x0738	1	input pulse meter 2 > 10000	-	U16
1849	0x0739	1	input pulse meter 3 < 10000	-	U16
1850	0x073A	1	input pulse meter 3 > 10000	-	U16
1851	0x073B	1	input pulse meter 4 < 10000	-	U16
1852	0x073C	1	input pulse meter 4 > 10000	-	U16
1853	0x073D	1	input pulse meter 5 < 10000	-	U16
1854	0x073E	1	input pulse meter 5 > 10000	-	U16
1855	0x073F	1	input pulse meter 6 < 10000	-	U16
1856	0x0740	1	input pulse meter 6 > 10000	-	U16
1857	0x0741	1	System value I Sys : (I1+I2+I3) / 3	A / 1000	U16
1858	0x0742	1	System value U Sys : (U12 + U23 + U31) / 3	V / 10	U16
1859	0x0743	1	System value V Sys : (V1 + V2 + V3) / 3	V / 10	U16
1860	0x0744	1	Minimum of Current on 3 phases	A / 1000	U16
1861	0x0745	1	Minimum of In	A / 1000	U16
1862	0x0746	1	Minimum of phase to phase voltage on 3 phases	V / 100	U16
1863	0x0747	1	Minimum of Frequency	Hz / 100	U16
1864	0x0748	1	Maximum of Current on 3 phases	A / 1000	U16
1865	0x0749	1	Maximum of AVG In	A / 1000	U16
1866	0x074A	1	Maximum of phase to phase voltage on 3 phases	V / 100	U16
1867	0x074B	1	Maximum of AVG Frequency	Hz / 100	U16

1875	0x0753	1	thd I2	% / 10	U16
1876	0x0754	1	thd I3	% / 10	U16
1877	0x0755	1	thd In	% / 10	U16
1878	0x0756	1	thd U12	% / 10	U16
1879	0x0757	1	thd U23	% / 10	U16
1880	0x0758	1	thd U31	% / 10	U16
1881	0x0759	1	thd V1	% / 10	U16
1882	0x075A	1	thd V2	% / 10	U16
1883	0x075B	1	thd V3	- / 10	U16
1884	0x075C	1	Mean positive active power between 2 signals	W / 10	U16
1885	0x075D	1	Mean negative active power between 2 signals	W / 10	U16
1886	0x075E	1	Mean positive reactive power between 2 signals	var / 10	U16
1887	0x075F	1	Mean negative reactive power between 2 signals	var / 10	U16
1888	0x0760	1	Reserved	-	U16
1889	0x0761	1	Reserved	-	U16
1890	0x0762	1	AVG In	A / 1000	U16
1891	0x0763	1	Max / AVG In	A / 1000	U16
1892	0x0764	1	Predictive total Active power	W	U16
1893	0x0765	1	Predictive total Reactive power	var	U16
1894	0x0766	1	Predictive total Apparent power	VA	U16

Metrology Affected by current and voltage transformers

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
30976	0x7900	Info	72	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
30976	0x7900	2	Hour Meter	h / 100	U32

30992	0x7910	2	Current : I1	A / 1000	U32
30994	0x7912	2	Current : I2	A / 1000	U32
30996	0x7914	2	Current : I3	A / 1000	U32
30998	0x7916	2	Neutral Current : In	A / 1000	U32
31000	0x7918	2	? Active Power +/- : P	W / 0.1	S32
31002	0x791A	2	? Reactive Power +/- : Q	var / 0.1	S32
31004	0x791C	2	? Apparent Power : S	VA / 0.1	U32
31006	0x791E	2	? Power Factor : -: leading et + : lagging : PF	- / 1000	S32
31008	0x7920	2	Active Power phase 1 +/- : P1	W / 0.1	S32
31010	0x7922	2	Active Power phase 2 +/- : P2	W / 0.1	S32
31012	0x7924	2	Active Power phase 3 +/- : P3	W / 0.1	S32
31014	0x7926	2	Reactive Power phase 1 +/- : Q1	var / 0.1	S32
31016	0x7928	2	Reactive Power phase 2 +/- : Q2	var / 0.1	S32
31018	0x792A	2	Reactive Power phase 3 +/- : Q3	var / 0.1	S32
31020	0x792C	2	Apparent Power phase 1 : S1	VA / 0.1	U32
31022	0x792E	2	Apparent Power phase 2 : S2	VA / 0.1	U32
31024	0x7930	2	Apparent Power phase 3 : S3	VA / 0.1	U32
31026	0x7932	2	Power Factor phase 1 -: leading and + : lagging : PF1	- / 1000	S32
31028	0x7934	2	Power Factor phase 2 -: leading and + : lagging : PF2	- / 1000	S32
31030	0x7936	2	Power Factor phase 3 -: leading and + : lagging : PF3	- / 1000	S32
31032	0x7938	2	I Sys : (I1+I2+I3) / 3	A / 1000	U32
31034	0x793A	2	U Sys : (U12 + U23 + U31) / 3	V / 100	U32
31036	0x793C	2	V Sys : (V1 + V2 + V3) / 3	V / 100	U32
31038	0x793E	2	Tangent Phi	- / 100	S32
31040	0x7940	2	Unbalanced voltage	- / 100	U32
31042	0x7942	2	Unbalanced Current	- / 100	U32
31044	0x7944	2	Unbalanced voltage [10 min]	- / 100	U32
31046	0x7946	2	Unbalanced Current [10 min]	- / 100	U32

Reactive Lag Lead Power

31232	0x7A00	2	Reactive Power phase 1 Lead : Q1	var / 0.1	S32
31234	0x7A02	2	Reactive Power phase 2 Lead : Q2	var / 0.1	S32
31236	0x7A04	2	Reactive Power phase 3 Lead : Q3	var / 0.1	S32
31238	0x7A06	2	Reactive Power Total Lead : Q Total	var / 0.1	S32
31240	0x7A08	2	Reactive Power phase 1 Lag : Q1	var / 0.1	S32
31242	0x7A0A	2	Reactive Power phase 2 Lag : Q2	var / 0.1	S32
31244	0x7A0C	2	Reactive Power phase 2 Lag : Q2	var / 0.1	S32
31246	0x7A0E	2	Reactive Power phase 3 Lag : Q Total	var / 0.1	S32

Reactive Cap/Ind Energy

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
31264	0x7A20	Info	8	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
31264	0x7A20	2	Reactive Capacitive Positive Energy	varh	U32
31266	0x7A22	2	Reactive Capacitive Negative Energy	varh	U32
31268	0x7A24	2	Reactive Inductive Positive Energy	varh	U32
31270	0x7A26	2	Reactive Inducitive Negative Energy	varh	U32

Settings

Setup storage and Reset product (Function 6)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
1536	0x0600	Commands	1	NONE	WRITE	WRITE

address	address					
3072	0x0C00	Settings	6	NONE	READ | WRITE_MANY	READ | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
3072	0x0C00	1	Month	-	U8
3073	0x0C01	1	Day	-	U8
3074	0x0C02	1	Year	-	U8
3075	0x0C03	1	Hour	-	U8
3076	0x0C04	1	Minute	-	U8
3077	0x0C05	1	Second	-	U8

Limited measures setup

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
752	0x02F0	Settings	5	NONE	READ | WRITE | WRITE_MANY	READ | WRITE | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
752	0x02F0	1	Intensity Limit # 1 Value	A / 10000	U8
753	0x02F1	1	Intensity Limit # 2 Value	A / 10000	U8
754	0x02F2	1	Intensity Limit # 3 Value	A / 10000	U8
755	0x02F3	1	Voltage Limit # 1 Value	V / 1000	U8
756	0x02F4	1	Voltage Limit # 2 Value	V / 1000	U8

Actions

RAZ (Function 6)

			kvarh-0x1000 : All energies0x2000 : MaxU0x4000 : MaxV0x8000 : MaxF		
1025	0x0401	1	Reset :0x0001 : E10x0002 : E20x0004 : E3 0x0008 : E40x0010 : E50x0020 : E60x0040 : Min/Max I0x0080 : Min/Max In0x0100 : Min/Max U0x0200 : Min/Max F0x0400 : Min/Max PF0x0800 : Min/Max P0x1000 : Min/Max Q0x2000 : Min/Max thd I0x4000 : Min/Max thd In0x8000 : Min/Max thd U	-	U16_HEX
1026	0x0402	1	Reset :0x0001 : Min/Max S0x0002 : Min/Max V0x0004 : Min/Max thd V0x0008 : External input (Memoru option)0x0010 : 10 Last Alarms historic0x0020 : 10 Last voltage sag historic0x0040 : 10 Last voltage swell historic0x0080 : 10 Last voltage cut off historic0x2000 : Frenquency Average historic0x4000 : Voltage Average historic0x8000 : Power Average historic	-	U16_HEX
1027	0x0403	1	Reset :0x0001 : Max Q+ CAP0x0002 : Max Q+ IND0x0004 : Max Q- CAP0x0008 : Max Q- IND0x0010 : ER+ CAP0x0020 : ER+IND0x0040 : ER- CAP0x0080 : ER- IND	-	U16_HEX

Specifical value reset (Function 6)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
1040	0x0410	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
1040	0x0410	1	Reset :0x0001 : Average Frequency0x0002 : Average Voltage	-	U16_HEX

Monitoring

Quality parameters Setup

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts

627	0x0273	1	Cut off Threshold	%	U8
628	0x0274	1	Cut off hysteresis	%	U8
629	0x0275	1	Node pre-trigger	%	U8

Trend

AVG Voltage Historical

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
32768	0x8000	Info	879	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
32768	0x8000	1	Voltage Pointer	-	U16
32769	0x8001	3	VHIS Update DateTime	-	DATETIME_3
32772	0x8004	875	3U, 3V values	V / 10	U16[]

AVG Frequency Historical

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
36864	0x9000	Info	8704	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
36864	0x9000	1	Frecency POinter	-	U16
36865	0x9001	3	FHIS Update DateTime	-	DATETIME_3
36868	0x9004	8700	F Value	Hz / 100	U16[]

EN50160 & Inrush

Dec address	Hex address	Words count	Description	Unit	Data type
51984	0xCB10	1	Evt in progress: up to 4 different types (dip, swell, interruption, transient)	-	U16
51985	0xCB11	1	Data size : 26	-	U16
51986	0xCB12	4	Date	s / 1000	DATETIME_MS
51990	0xCB16	2	Duration	s / 1000	U32
51992	0xCB18	1	Nature & Network type: Network type 0 : 1BL 1 : 2BL 2 : 3BL 3 : 3NBL 4 : 4BL 5 : 4NBL	-	U8_L
51992	0xCB18	0	Nature & Network type: Nature 1 : Swell 2 : Dip 3 : Interruption 4 : Overload current	-	U8_H
51993	0xCB19	1	Tresholds and Hysteresis: Hysteresis	%	U8_L
51993	0xCB19	0	Tresholds and Hysteresis: Threshold	%	U8_H
51994	0xCB1A	1	Classification (following EN50160 norm)	-	U16
51995	0xCB1B	1	Start parameter and end parameter: end parameter	-	U8_L
51995	0xCB1B	0	Start parameter and end parameter: start parameter	-	U8_H
51996	0xCB1C	2	Ref V Nominal	V / 100	U32
51998	0xCB1E	2	Ref U Nominal	V / 100	U32
52000	0xCB20	2	Ref I Nominal	A / 1000	U32
52002	0xCB22	1	Sliding Ref voltage (V1 & V2): V2	% / 5	U8_L
52002	0xCB22	0	Sliding Ref voltage (V1 & V2): V1	% / 5	U8_H
52003	0xCB23	1	Sliding Ref voltage (V3 & U12): U12	% / 5	U8_L
52003	0xCB23	0	Sliding Ref voltage (V3 & U12): V3	% / 5	U8_H
52004	0xCB24	1	Sliding Ref voltage (U23 & U31): U31	% / 5	U8_L
52004	0xCB24	0	Sliding Ref voltage (U23 & U31): U23	% / 5	U8_H
52005	0xCB25	1	Voltage delta (V1 & V2): V2	% / 2	U8_L

52009	0xCB29	1	Current delta I2	%	U16
52010	0xCB2A	1	Current delta I3	%	U16
52011	0xCB2B	1	Current delta In	%	U16
52012	0xCB2C	4	Date	s / 1000	DATETIME_MS
52016	0xCB30	2	Duration	s / 1000	U32
52018	0xCB32	1	Nature & Network type: Network type 0 : 1BL 1 : 2BL 2 : 3BL 3 : 3NBL 4 : 4BL 5 : 4NBL	-	U8_L
52018	0xCB32	0	Nature & Network type: Nature 1 : Swell 2 : Dip 3 : Interruption 4 : Overload current	-	U8_H
52019	0xCB33	1	Tresholds and Hysteresis: Hysteresis	%	U8_L
52019	0xCB33	0	Tresholds and Hysteresis: Threshold	%	U8_H
52020	0xCB34	1	Classification (following EN50160 norm)	-	U16
52021	0xCB35	1	Start parameter and end parameter: end parameter	-	U8_L
52021	0xCB35	0	Start parameter and end parameter: start parameter	-	U8_H
52022	0xCB36	2	Ref V Nominal	V / 100	U32
52024	0xCB38	2	Ref U Nominal	V / 100	U32
52026	0xCB3A	2	Ref I Nominal	A / 1000	U32
52028	0xCB3C	1	Sliding Ref voltage (V1 & V2): V2	% / 5	U8_L
52028	0xCB3C	0	Sliding Ref voltage (V1 & V2): V1	% / 5	U8_H
52029	0xCB3D	1	Sliding Ref voltage (V3 & U12): U12	% / 5	U8_L
52029	0xCB3D	0	Sliding Ref voltage (V3 & U12): V3	% / 5	U8_H
52030	0xCB3E	1	Sliding Ref voltage (U23 & U31): U31	% / 5	U8_L
52030	0xCB3E	0	Sliding Ref voltage (U23 & U31): U23	% / 5	U8_H
52031	0xCB3F	1	Voltage delta (V1 & V2): V2	% / 2	U8_L

52036	0xCB44	1	Current delta I3	%	U16
52037	0xCB45	1	Current delta In	%	U16
52038	0xCB46	4	Date	s / 1000	DATETIME_MS
52042	0xCB4A	2	Duration	s / 1000	U32
52044	0xCB4C	1	Nature & Network type: Network type 0 : 1BL 1 : 2BL 2 : 3BL 3 : 3NBL 4 : 4BL 5 : 4NBL	-	U8_L
52044	0xCB4C	0	Nature & Network type: Nature 1 : Swell 2 : Dip 3 : Interruption 4 : Overload current	-	U8_H
52045	0xCB4D	1	Tresholds and Hysteresis: Hysteresis	%	U8_L
52045	0xCB4D	0	Tresholds and Hysteresis: Threshold	%	U8_H
52046	0xCB4E	1	Classification (following EN50160 norm)	-	U16
52047	0xCB4F	1	Start parameter and end parameter: end parameter	-	U8_L
52047	0xCB4F	0	Start parameter and end parameter: start parameter	-	U8_H
52048	0xCB50	2	Ref V Nominal	V / 100	U32
52050	0xCB52	2	Ref U Nominal	V / 100	U32
52052	0xCB54	2	Ref I Nominal	A / 1000	U32
52054	0xCB56	1	Sliding Ref voltage (V1 & V2): V2	% / 5	U8_L
52054	0xCB56	0	Sliding Ref voltage (V1 & V2): V1	% / 5	U8_H
52055	0xCB57	1	Sliding Ref voltage (V3 & U12): U12	% / 5	U8_L
52055	0xCB57	0	Sliding Ref voltage (V3 & U12): V3	% / 5	U8_H
52056	0xCB58	1	Sliding Ref voltage (U23 & U31): U31	% / 5	U8_L
52056	0xCB58	0	Sliding Ref voltage (U23 & U31): U23	% / 5	U8_H
52057	0xCB59	1	Voltage delta (V1 & V2): V2	% / 2	U8_L
52057	0xCB59	0	Voltage delta (V1 & V2): V1	% / 2	U8_H

52063	0xCB5F	1	Current delta In	%	U16
52064	0xCB60	4	Date	s / 1000	DATETIME_MS
52068	0xCB64	2	Duration	s / 1000	U32
52070	0xCB66	1	Nature & Network type: Network type 0 : 1BL 1 : 2BL 2 : 3BL 3 : 3NBL 4 : 4BL 5 : 4NBL	-	U8_L
52070	0xCB66	0	Nature & Network type: Nature 1 : Swell 2 : Dip 3 : Interruption 4 : Overload current	-	U8_H
52071	0xCB67	1	Tresholds and Hysteresis: Hysteresis	%	U8_L
52071	0xCB67	0	Tresholds and Hysteresis: Threshold	%	U8_H
52072	0xCB68	1	Classification (following EN50160 norm)	-	U16
52073	0xCB69	1	Start parameter and end parameter: end parameter	-	U8_L
52073	0xCB69	0	Start parameter and end parameter: start parameter	-	U8_H
52074	0xCB6A	2	Ref V Nominal	V / 100	U32
52076	0xCB6C	2	Ref U Nominal	V / 100	U32
52078	0xCB6E	2	Ref I Nominal	A / 1000	U32
52080	0xCB70	1	Sliding Ref voltage (V1 & V2): V2	% / 5	U8_L
52080	0xCB70	0	Sliding Ref voltage (V1 & V2): V1	% / 5	U8_H
52081	0xCB71	1	Sliding Ref voltage (V3 & U12): U12	% / 5	U8_L
52081	0xCB71	0	Sliding Ref voltage (V3 & U12): V3	% / 5	U8_H
52082	0xCB72	1	Sliding Ref voltage (U23 & U31): U31	% / 5	U8_L
52082	0xCB72	0	Sliding Ref voltage (U23 & U31): U23	% / 5	U8_H
52083	0xCB73	1	Voltage delta (V1 & V2): V2	% / 2	U8_L
52083	0xCB73	0	Voltage delta (V1 & V2): V1	% / 2	U8_H
52084	0xCB74	1	Voltage delta (V3 & U12): U12	% / 2	U8_L

EN50160 historical events

Command

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
62976	0xF600	Command	1	NONE	WRITE_MANY	WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
62976	0xF600	1	Action 0x0001 : Reset read pointer 0xFFFE : Get next data	-	U16_HEX

Header

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
62992	0xF610	Header	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
62992	0xF610	1	record count	-	U8
62993	0xF611	1	record size	W	U8

Data

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
62994	0xF612	Data	26	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
62996	0xF614	4	Date	s / 1000	DATETIME_MS
63000	0xF618	2	Duration	s / 1000	U32

63002	0xF61A	1	2 : Dip 3 : Interruption 4 : Overload current	-	U8_H
63003	0xF61B	0	Tresholds and Hysteresis: Hysteresis	%	U8_L
63003	0xF61B	1	Tresholds and Hysteresis: Threshold	%	U8_H
63004	0xF61C	1	Classification (following EN50160 norm)	A	U16
63005	0xF61D	0	Start parameter and end parameter: end parameter	-	U8_L
63005	0xF61D	1	Start parameter and end parameter: start parameter	-	U8_H
63006	0xF61E	2	Ref V Nominal	V / 100	U32
63008	0xF620	2	Ref U Nominal	V / 100	U32
63010	0xF622	2	Ref I Nominal	A / 1000	U32
63012	0xF624	0	Sliding Ref voltage (V1 & V2): V2	% / 5	U8_L
63012	0xF624	1	Sliding Ref voltage (V1 & V2): V1	% / 5	U8_H
63013	0xF625	0	Sliding Ref voltage (V3 & U12): U12	% / 5	U8_L
63013	0xF625	1	Sliding Ref voltage (V3 & U12): V3	% / 5	U8_H
63014	0xF626	0	Sliding Ref voltage (U23 & U31): U31	% / 5	U8_L
63014	0xF626	1	Sliding Ref voltage (U23 & U31): U23	% / 5	U8_H
63015	0xF627	0	Voltage delta (V1 & V2): V2	% / 2	U8_L
63015	0xF627	1	Voltage delta (V1 & V2): V1	% / 2	U8_H
63016	0xF628	0	Voltage delta (V3 & U12): U12	% / 2	U8_L
63016	0xF628	1	Voltage delta (V3 & U12): V3	% / 2	U8_H
63017	0xF629	0	Voltage delta (U23 & U31): U31	% / 2	U8_L
63017	0xF629	1	Voltage delta (U23 & U31): U23	% / 2	U8_H
63018	0xF62A	1	Current delta I1	%	U16
63019	0xF62B	1	Current delta I2	%	U16
63020	0xF62C	1	Current delta I3	%	U16
63021	0xF62D	1	Current delta In	%	U16

RMS curves

63552	0xF840	120	RMS curve datas	A	U16[]

Half Period RMS Curves Date

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
63696	0xF8D0	R1R2_date	41	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
63696	0xF8D0	1	Nb Record found (up to 10)	-	U8
63697	0xF8D1	4	Date of the RMS Curve 1	s / 1000	DATETIME_MS
63701	0xF8D5	4	Date of the RMS Curve 2	s / 1000	DATETIME_MS
63705	0xF8D9	4	Date of the RMS Curve 3	s / 1000	DATETIME_MS
63709	0xF8DD	4	Date of the RMS Curve 4	s / 1000	DATETIME_MS
63713	0xF8E1	4	Date of the RMS Curve 5	s / 1000	DATETIME_MS
63717	0xF8E5	4	Date of the RMS Curve 6	s / 1000	DATETIME_MS
63721	0xF8E9	4	Date of the RMS Curve 7	s / 1000	DATETIME_MS
63725	0xF8ED	4	Date of the RMS Curve 8	s / 1000	DATETIME_MS
63729	0xF8F1	4	Date of the RMS Curve 9	s / 1000	DATETIME_MS
63733	0xF8F5	4	Date of the RMS Curve 10	s / 1000	DATETIME_MS

Connection test

Command Test (connection + RCM)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
8192	0x2000	Commands	1	NONE	WRITE	WRITE

address	address					
8448	0x2100	Info	7	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
8448	0x2100	1	State	-	U8
8450	0x2102	1	Error 1 Result	-	U8
8451	0x2103	1	Error 2 Result	-	U8
8452	0x2104	1	Error 3 Result	-	U8
8453	0x2105	1	Error 456 Result	-	U8
8454	0x2106	1	Error 8 Result	-	U8

Alarms

Alarm histo (n - occurence) #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
3088	0x0C10	Info	14	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
3088	0x0C10	1	Alarm Output number (1 ?? 6)	-	U8
3089	0x0C11	1	Alarm on lower threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
3090	0x0C12	2	Alarm on lower threshold : min value	-	U32
3092	0x0C14	1	Alarm on upper threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11	-	U8

3097	0x0C19	1	Month	-	U8
3098	0x0C1A	1	Year	-	U8
3099	0x0C1B	1	Hour	-	U8
3100	0x0C1C	1	Minute	-	U8
3101	0x0C1D	1	Seconde	-	U8

Alarm histo (n - occurence) #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
3102	0x0C1E	Info	14	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
3102	0x0C1E	1	Alarm Output number (1 ?? 6)	-	U8
3103	0x0C1F	1	Alarm on lower threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
3104	0x0C20	2	Alarm on lower threshold : min value	-	U32
3106	0x0C22	1	Alarm on upper threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
3107	0x0C23	2	Alarm on upper threshold : max value	-	U32
3109	0x0C25	1	duration	s	U8
3110	0x0C26	1	Day	-	U8
3111	0x0C27	1	Month	-	U8
3112	0x0C28	1	Year	-	U8

address	address	Type	Size	Lock level	Locked fcts	Unlocked fcts
3116	0x0C2C	Info	14	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
3116	0x0C2C	1	Alarm Output number (1 ?? 6)	-	U8
3117	0x0C2D	1	Alarm on lower threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
3118	0x0C2E	2	Alarm on lower threshold : min value	-	U32
3120	0x0C30	1	Alarm on upper threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
3121	0x0C31	2	Alarm on upper threshold : max value	-	U32
3123	0x0C33	1	duration	s	U8
3124	0x0C34	1	Day	-	U8
3125	0x0C35	1	Month	-	U8
3126	0x0C36	1	Year	-	U8
3127	0x0C37	1	Hour	-	U8
3128	0x0C38	1	Minute	-	U8
3129	0x0C39	1	Seconde	-	U8

Alarm histo (n - occurence) #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
3130	0x0C3A	Info	14	NONE	READ	READ

			thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted		
3132	0x0C3C	2	Alarm on lower threshold : min value	-	U32
3134	0x0C3E	1	Alarm on upper threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
3135	0x0C3F	2	Alarm on upper threshold : max value	-	U32
3137	0x0C41	1	duration	s	U8
3138	0x0C42	1	Day	-	U8
3139	0x0C43	1	Month	-	U8
3140	0x0C44	1	Year	-	U8
3141	0x0C45	1	Hour	-	U8
3142	0x0C46	1	Minute	-	U8
3143	0x0C47	1	Seconde	-	U8

Alarm histo (n - occurence) #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
3144	0x0C48	Info	14	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
3144	0x0C48	1	Alarm Output number (1 ?? 6)	-	U8
3145	0x0C49	1	Alarm on lower threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?	-	U8

3149	0x0C4D	2	Alarm on upper threshold : max value	-	U32
3151	0x0C4F	1	duration	s	U8
3152	0x0C50	1	Day	-	U8
3153	0x0C51	1	Month	-	U8
3154	0x0C52	1	Year	-	U8
3155	0x0C53	1	Hour	-	U8
3156	0x0C54	1	Minute	-	U8
3157	0x0C55	1	Seconde	-	U8

Alarm histo (n - occurence) #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
3158	0x0C56	Info	14	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
3158	0x0C56	1	Alarm Output number (1 ?? 6)	-	U8
3159	0x0C57	1	Alarm on lower threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
3160	0x0C58	2	Alarm on lower threshold : min value	-	U32
3162	0x0C5A	1	Alarm on upper threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
3163	0x0C5B	2	Alarm on upper threshold : max value	-	U32

Alarm histo (n - occurence) #7

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
3172	0x0C64	Info	14	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
3172	0x0C64	1	Alarm Output number (1 ?? 6)	-	U8
3173	0x0C65	1	Alarm on lower threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
3174	0x0C66	2	Alarm on lower threshold : min value	-	U32
3176	0x0C68	1	Alarm on upper threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
3177	0x0C69	2	Alarm on upper threshold : max value	-	U32
3179	0x0C6B	1	duration	s	U8
3180	0x0C6C	1	Day	-	U8
3181	0x0C6D	1	Month	-	U8
3182	0x0C6E	1	Year	-	U8
3183	0x0C6F	1	Hour	-	U8
3184	0x0C70	1	Minute	-	U8
3185	0x0C71	1	Seconde	-	U8

3186	0x0C72	1	Alarm Output number (1 ?? 6)	-	U8
3187	0x0C73	1	Alarm on lower threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
3188	0x0C74	2	Alarm on lower threshold : min value	-	U32
3190	0x0C76	1	Alarm on upper threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
3191	0x0C77	2	Alarm on upper threshold : max value	-	U32
3193	0x0C79	1	duration	s	U8
3194	0x0C7A	1	Day	-	U8
3195	0x0C7B	1	Month	-	U8
3196	0x0C7C	1	Year	-	U8
3197	0x0C7D	1	Hour	-	U8
3198	0x0C7E	1	Minute	-	U8
3199	0x0C7F	1	Seconde	-	U8

Alarm histo (n - occurence) #9

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
3200	0x0C80	Info	14	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
3200	0x0C80	1	Alarm Output number (1 ?? 6)	-	U8

3204	0x0C84	1	Alarm on upper threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
3205	0x0C85	2	Alarm on upper threshold : max value	-	U32
3207	0x0C87	1	duration	s	U8
3208	0x0C88	1	Day	-	U8
3209	0x0C89	1	Month	-	U8
3210	0x0C8A	1	Year	-	U8
3211	0x0C8B	1	Hour	-	U8
3212	0x0C8C	1	Minute	-	U8
3213	0x0C8D	1	Seconde	-	U8

Alarm histo (n - occurence) #10

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
3214	0x0C8E	Info	14	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
3214	0x0C8E	1	Alarm Output number (1 ?? 6)	-	U8
3215	0x0C8F	1	Alarm on lower threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
3216	0x0C90	2	Alarm on lower threshold : min value	-	U32
3218	0x0C92	1	Alarm on upper threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11	-	U8

3223	0x0C97	1	Month	-	U8
3224	0x0C98	1	Year	-	U8
3225	0x0C99	1	Hour	-	U8
3226	0x0C9A	1	Minute	-	U8
3227	0x0C9B	1	Seconde	-	U8

Alarme in progress(1-2) #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
30464	0x7700	Info	28	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
30464	0x7700	1	OUT1: Current alarm on lower threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 25: thdIn26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
30465	0x7701	2	OUT1: Current alarm on lower threshold : min value	-	U32
30467	0x7703	1	OUT1: Current alarm on upper threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 25: thdIn26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
30468	0x7704	2	OUT1: Current alarm on upper threshold : max value	-	U32
30470	0x7706	1	OUT1: Current alarm duration	s	U8
30471	0x7707	1	OUT1: Previous (n-1) alarm on lower threshold cause	-	U8
30472	0x7708	2	OUT1: Previous (n-1) alarm on lower threshold min value	-	U32

30484	0x7714	1	OUT1: Previous (n-2) alarm duration	s	U8
30485	0x7715	1	OUT1: Previous (n-3) alarm on lower threshold cause	-	U8
30486	0x7716	2	OUT1: Previous (n-3) alarm on lower threshold min value	-	U32
30488	0x7718	1	OUT1: Previous (n-3) alarm on upper threshold cause	-	U8
30489	0x7719	2	OUT1: Previous (n-3) alarm on upper threshold max value	-	U32
30491	0x771B	1	OUT1: Previous (n-3) alarm duration	s	U8

Alarme in progress(1-2) #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
30492	0x771C	Info	28	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
30492	0x771C	1	OUT1: Current alarm on lower threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 25: thdIn26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
30493	0x771D	2	OUT1: Current alarm on lower threshold : min value	-	U32
30495	0x771F	1	OUT1: Current alarm on upper threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 25: thdIn26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
30496	0x7720	2	OUT1: Current alarm on upper threshold : max value	-	U32
30498	0x7722	1	OUT1: Current alarm duration	s	U8
30499	0x7723	1	OUT1: Previous (n-1) alarm on lower threshold cause	-	U8

30510	0x772E	2	OUT1: Previous (n-2) alarm on upper threshold max value	-	U32
30512	0x7730	1	OUT1: Previous (n-2) alarm duration	s	U8
30513	0x7731	1	OUT1: Previous (n-3) alarm on lower threshold cause	-	U8
30514	0x7732	2	OUT1: Previous (n-3) alarm on lower threshold min value	-	U32
30516	0x7734	1	OUT1: Previous (n-3) alarm on upper threshold cause	-	U8
30517	0x7735	2	OUT1: Previous (n-3) alarm on upper threshold max value	-	U32
30519	0x7737	1	OUT1: Previous (n-3) alarm duration	s	U8

Alarme in progress(3-6) #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
30520	0x7738	Info	7	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
30520	0x7738	1	OUT1: Current alarm on lower threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 25: thdIn26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
30521	0x7739	2	OUT1: Current alarm on lower threshold : min value	-	U32
30523	0x773B	1	OUT1: Current alarm on upper threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 25: thdIn26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
30524	0x773C	2	OUT1: Current alarm on upper threshold : max value	-	U32
30526	0x773E	1	OUT1: Current alarm duration		U8

Dec address	Hex address	Words count	Description	Unit	Data type
30527	0x773F	1	OUT1: Current alarm on lower threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 25: thdIn26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
30528	0x7740	2	OUT1: Current alarm on lower threshold : min value	-	U32
30530	0x7742	1	OUT1: Current alarm on upper threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 25: thdIn26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
30531	0x7743	2	OUT1: Current alarm on upper threshold : max value	-	U32
30533	0x7745	1	OUT1: Current alarm duration	-	U8

Alarme in progress(3-6) #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
30534	0x7746	Info	7	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
30534	0x7746	1	OUT1: Current alarm on lower threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 25: thdIn26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8

30538	0x774A	2	OUT1: Current alarm on upper threshold : max value	-	U32
30540	0x774C	1	OUT1: Current alarm duration	-	U8

Alarme in progress(3-6) #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
30541	0x774D	Info	7	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
30541	0x774D	1	OUT1: Current alarm on lower threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 25: thdIn26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
30542	0x774E	2	OUT1: Current alarm on lower threshold : min value	-	U32
30544	0x7750	1	OUT1: Current alarm on upper threshold cause:0 : No Alarm / 1 : I1 / 2 : I2 / 3 : I3 / 4 : IN / 5 : U12 / 6 : U23 / 7 : U31 / 8 : ?P+ / 9 : ?Q+ / 10 : ?S / 11 : F / 12 : ?PFL / 15: thdI1 / 16: thdI2 / 17 : thdI3 / 18 : thdU12 / 19 : thdU23 / 20 : thdU31 / 21 : Hour / 22: V1 / 23 : V2 / 24 : V3 / 25: thdIn26: thdV1 / 27 : thdV2 / 28 : thd V3 / 29 : ?P - / 30 : ?Q - / 31 : ?PFC / 32 : T??C 1 / 33 : T??C 2 / 34 : T??C 3 / 35 : T??C internal / 36 : ?P predicted / 37 : ?Q predicted / 38 : ?S predicted	-	U8
30545	0x7751	2	OUT1: Current alarm on upper threshold : max value	-	U32
30547	0x7753	1	OUT1: Current alarm duration	-	U8

Event table

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts

53507	0xD103	1	Table Address	-	U16_HEX
53508	0xD104	1	Status: 1 : Table Updated 0 : Table Not Updated	A	U8
53509	0xD105	1	Table Address	-	U16_HEX
53510	0xD106	1	Status: 1 : Table Updated 0 : Table Not Updated	A	U8
53511	0xD107	1	Table Address	-	U16_HEX
53512	0xD108	1	Status: 1 : Table Updated 0 : Table Not Updated	A	U8
53513	0xD109	1	Table Address	-	U16_HEX
53514	0xD10A	1	Status: 1 : Table Updated 0 : Table Not Updated	A	U8
53515	0xD10B	1	Table Address	-	U16_HEX
53516	0xD10C	1	Status: 1 : Table Updated 0 : Table Not Updated	A	U8
53517	0xD10D	1	Table Address	-	U16_HEX
53518	0xD10E	1	Status: 1 : Table Updated 0 : Table Not Updated	A	U8
53519	0xD10F	1	Table Address	-	U16_HEX
53520	0xD110	1	Status: 1 : Table Updated 0 : Table Not Updated	A	U8
53521	0xD111	1	Table Address	-	U16_HEX
53522	0xD112	1	Status: 1 : Table Updated 0 : Table Not Updated	A	U8

Dec address	Hex address	Words count	Description	Unit	Data type
51456	0xC900	1	Internal module Temperature present	-	U8
51457	0xC901	1	Internal module Temperature	?C	S16
51458	0xC902	1	Number of external Temperature sensors	-	U8

External temperature #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
51459	0xC903	Info	1	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
51459	0xC903	1	External Temperature	?C	S16

External temperature #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
51460	0xC904	Info	1	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
51460	0xC904	1	External Temperature	?C	S16

External temperature #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
51461	0xC905	Info	1	NONE	READ	READ

address	address					
51462	0xC906	Info	1	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
51462	0xC906	1	External Temperature	?C	S16

External temperature #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
51463	0xC907	Info	1	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
51463	0xC907	1	External Temperature	?C	S16

External temperature #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
51464	0xC908	Info	1	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
51464	0xC908	1	External Temperature	?C	S16

Input/Output state

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
51968	0xCB00	Info	4	NONE	READ	READ

Pulse meters values #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
2560	0x0A00	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
2560	0x0A00	2	Pulse meter	-	U32

Pulse meters values #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
2562	0x0A02	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
2562	0x0A02	2	Pulse meter	-	U32

Pulse meters values #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
2564	0x0A04	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
2564	0x0A04	2	Pulse meter	-	U32

Pulse meters values #4

Pulse meters values #5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
2568	0x0A08	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
2568	0x0A08	2	Pulse meter	-	U32

Pulse meters values #6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
2570	0x0A0A	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
2570	0x0A0A	2	Pulse meter	-	U32

Setting

Setup - 1st part

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
512	0x0200	Settings	0	USER	READ	READ | WRITE | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
512	0x0200	1	Network Type 0 : 1BI	-	U8

514	0x0202	1	Current Transformer primary	A	U16
515	0x0203	1	Voltage transformer present 0 : No 1 : Yes	-	U8
516	0x0204	2	Voltage Transformer primary	V	U32
518	0x0206	1	Voltage Transformer secondary 60 : 60 V 100 : 100 V 110 : 110 V 115 : 115 V 120 : 120 V 173 : 173 V 190 : 190 V	V	U8
519	0x0207	1	Synchronisation of I (AVG/MAX) 2 : 2 seconds 10 : 10 seconds 300 : 5 minutes 480 : 8 minutes 600 : 10 Minutes 900 : 15 minutes 1200 : 20 minutes 1800 : 30 minutes 3600 : 60 minutes	s	U16
520	0x0208	1	Synchronisation of P/Q/S (AVG/MAX) 10 : 10 seconds 300 : 5 minutes 480 : 8 minutes 600 : 10 Minutes 900 : 15 minutes 1200 : 20 minutes 1800 : 30 minutes 3600 : 60 minutes	s	U16

Setup - 2nd part

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
567	0x0237	Settings	0	USER	READ	READ | WRITE |

570	0x023A	1	Reserved	-	-
571	0x023B	1	Neutral current transformer secondary 1 : 1 A 5 : 5 A	A	U8
572	0x023C	1	Neutral current transformer primary	A	U16
573	0x023D	1	Synchronisation of U AVG/MAX 10 : 10 seconds 300 : 5 minutes 480 : 8 minutes 600 : 10 Minutes 900 : 15 minutes 1200 : 20 minutes 1800 : 30 minutes 3600 : 60 minutes	s	U16
574	0x023E	1	Synchronisation of F AVG/MAX 10 : 10 seconds 300 : 5 minutes 480 : 8 minutes 600 : 10 Minutes 900 : 15 minutes 1200 : 20 minutes 1800 : 30 minutes 3600 : 60 minutes	s	U16
575	0x023F	1	Reserved	-	-
576	0x0240	1	Reserved	-	-
577	0x0241	1	Reserved	-	-
578	0x0242	1	Reserved	-	-
579	0x0243	1	Mean power synchronization signal 0 : interne 1 : externe	-	U8
580	0x0244	1	Synchronization period for P+,P-,Q+,Q- 300 : 5 minutes 480 : 8 minutes 600 : 10 Minutes 900 : 15 minutes 1200 : 20 minutes 1800 : 30 minutes	s	U16

Dec address	Hex address	Words count	Description	Unit	Data type
613	0x0265	1	Voltage dips detection threshold (SAG)	%	U8
614	0x0266	1	Voltage dips detection threshold hysteresis (SAG)	%	U8
615	0x0267	1	Voltage surge detection threshold (SWELL)	%	U8
616	0x0268	1	Voltage surge detection threshold hysteresis (SWELL)	%	U8
617	0x0269	1	Hour meter allocation 0 : Auxiliary power supply 1 : Currents 2 : phase to phase voltage 3 : E1 4 : E2 5 : E3 6 : E4 7 : E5 8 : E6	-	U8
618	0x026A	1	Hour meter trigger threshold	-	U16
619	0x026B	1	Hour meter trigger unit 0 : / 1 : k	-	U8

Setup - pulse 1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
521	0x0209	Settings	0	USER	READ	READ | WRITE | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
521	0x0209	1	Pulse output allocation 0 : kVAh 1 : kWh+ 2 : kvarh+ 3 : kWh- 4 : kvarh-	-	U8
522	0x020A	1	Pulse output value	-	U8

523	0x020B	1	3 : 300ms 4 : 400ms 5 : 500ms 6 : 600ms 7 : 700ms 8 : 800ms 9 : 900ms	-	U8

Setup - pulse 2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
524	0x020C	Settings	0	USER	READ	READ | WRITE | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
524	0x020C	1	Pulse output allocation 0 : kVAh 1 : kWh+ 2 : kvarh+ 3 : kWh- 4 : kvarh-	-	U8
525	0x020D	1	Pulse output value 0 : 0,1 kWh/kvarh/kVAh 1 : 1 kWh/kvarh/kVAh 2 : 10 kWh/kvarh/kVAh 3 : 100 kWh/kvarh/kVAh 4 : 1000 kWh/kvarh/kVAh 5 : 10000 kWh/kvarh/kVAh	-	U8
526	0x020E	1	Pulse output duration 1 : 100 ms 2 : 200 ms 3 : 300 ms 4 : 400 ms 5 : 500 ms 6 : 600 ms 7 : 700 ms 8 : 800 ms	-	U8

Dec address	Hex address	Words count	Description	Unit	Data type
527	0x020F	1	Type 0 : 0/20 mA 1 : 4/20 mA 2 : 30 V	-	U8
528	0x0210	1	Allocation 0 : I1 1 : I2 2 : I3 3 : In 4 : U12 5 : U23 6 : U31 7 : ?P 8 : ?Q 9 : ?S 10 : ?PF L 11 : V1 12 : V2 13 : V3 14 : F 15 : ?PFC 16 : I Sys 17 : U Sys 18 : V Sys 19 : ?P predicted 20 : ?Q Precdicted 21 : ?S predicted 22 : T?C 1 23 : T?C 2 24 : T?C 3 25 : T?C internal	-	U8
529	0x0211	1	Value at 0 or 4 mA	-	U16
530	0x0212	1	Multiplier at 0 or 4 mA 0 : / 1 : k 2 : M	-	U8
531	0x0213	1	Value at 20 mA	-	U16

address	address	Type	Size	Lock level	Locked fcts	Unlocked fcts
533	0x0215	Settings	0	USER	READ	READ | WRITE | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
533	0x0215	1	Type 0 : 0/20 mA 1 : 4/20 mA 2 : 30 V	-	U8
534	0x0216	1	Allocation 0 : I1 1 : I2 2 : I3 3 : In 4 : U12 5 : U23 6 : U31 7 : ?P 8 : ?Q 9 : ?S 10 : ?PF L 11 : V1 12 : V2 13 : V3 14 : F 15 : ?PFC 16 : I Sys 17 : U Sys 18 : V Sys 19 : ?P predicted 20 : ?Q Precdicted 21 : ?S predicted 22 : T?C 1 23 : T?C 2 24 : T?C 3 25 : T?C internal	-	U8
535	0x0217	1	Value at 0 or 4 mA	-	U16
536	0x0218	1	Multiplier at 0 or 4 mA 0 : /	-	U8

Setup - analog output #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
539	0x021B	Settings	0	USER	READ	READ | WRITE | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
539	0x021B	1	Type 0 : 0/20 mA 1 : 4/20 mA 2 : 30 V	-	U8
540	0x021C	1	Allocation 0 : I1 1 : I2 2 : I3 3 : In 4 : U12 5 : U23 6 : U31 7 : ?P 8 : ?Q 9 : ?S 10 : ?PF L 11 : V1 12 : V2 13 : V3 14 : F 15 : ?PFC 16 : I Sys 17 : U Sys 18 : V Sys 19 : ?P predicted 20 : ?Q Precdicted 21 : ?S predicted 22 : T?C 1 23 : T?C 2 24 : T?C 3	-	U8

544	0x0220	1	0 : / 1 : k 2 : M	-	U8

Setup - analog output #4

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
545	0x0221	Settings	0	USER	READ	READ | WRITE | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
545	0x0221	1	Type 0 : 0/20 mA 1 : 4/20 mA 2 : 30 V	-	U8
546	0x0222	1	Allocation 0 : I1 1 : I2 2 : I3 3 : In 4 : U12 5 : U23 6 : U31 7 : ?P 8 : ?Q 9 : ?S 10 : ?PF L 11 : V1 12 : V2 13 : V3 14 : F 15 : ?PFC 16 : I Sys 17 : U Sys 18 : V Sys 19 : ?P predicted 20 : ?Q Precdicted	-	U8

			2 : M		
549	0x0225	1	Value at 20 mA	-	U16
550	0x0226	1	Multiplier at 20 mA 0 : / 1 : k 2 : M	-	U8

Setup - relay 1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
551	0x0227	Settings	0	USER	READ	READ | WRITE | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
551	0x0227	1	Allocation 0 : Cde 1 : I 2 : U 3 : ?P + 4 : ?Q + 5 : ?S 6 : F 7 : ?PFL 8 : thd 3I 9 : thd 3U 10 : IN 11 : Hour 12 : V 13 : thd In 14 : thd 3V 15 : ?P - 16 : ?Q - 17 : ?PFC 18 : Cd-t 19 : T?C 1 20 : T?C 2 21 : T?C 3	-	U8

552	0x0228	1	Lower threshold	-	U16
553	0x0229	1	Multiplier lower threshold 0 : / 1 : k 2 : M	-	U8
554	0x022A	1	Upper threshold	-	U16
555	0x022B	1	Multiplier upper threshold 0 : / 1 : k 2 : M	-	U8
556	0x022C	1	Hysteresis	%	U8
557	0x022D	1	Specified time	s	U16
558	0x022E	1	Relay status 0 : Open 1 : Closed	-	U8

Setup - relay 2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
559	0x022F	Settings	0	USER	READ	READ | WRITE | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
559	0x022F	1	Allocation 0 : Cde 1 : I 2 : U 3 : ?P + 4 : ?Q + 5 : ?S 6 : F 7 : ?PFL 8 : thd 3I 9 : thd 3U 10 : IN	-	U8

			20 : T?C 2 21 : T?C 3 22 : T?C internal 23 : ?P predicted 24 : ?Q Precdicted 25 : ?S predicted 26 : Impulse Counter 1 27 : Impulse Counter 2 28 : Impulse Counter 3 29 : Impulse Counter 4 30 : Impulse Counter 5 31 : Impulse Counter 6		
560	0x0230	1	Lower threshold	-	U16
561	0x0231	1	Multiplier lower threshold 0 : / 1 : k 2 : M	-	U8
562	0x0232	1	Upper threshold	-	U16
563	0x0233	1	Multiplier upper threshold 0 : / 1 : k 2 : M	-	U8
564	0x0234	1	Hysteresis	%	U8
565	0x0235	1	Specified time	s	U16
566	0x0236	1	Relay status 0 : Open 1 : Closed	-	U8

Setup - relay 3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
581	0x0245	Settings	0	USER	READ	READ | WRITE | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type

			8 : thd 3I 9 : thd 3U 10 : IN 11 : Hour 12 : V 13 : thd In 14 : thd 3V 15 : ?P - 16 : ?Q - 17 : ?PFC 18 : Cd-t 19 : T?C 1 20 : T?C 2 21 : T?C 3 22 : T?C internal 23 : ?P predicted 24 : ?Q Precdicted 25 : ?S predicted 26 : Impulse Counter 1 27 : Impulse Counter 2 28 : Impulse Counter 3 29 : Impulse Counter 4 30 : Impulse Counter 5 31 : Impulse Counter 6		
582	0x0246	1	Lower threshold	-	U16
583	0x0247	1	Multiplier lower threshold 0 : / 1 : k 2 : M	-	U8
584	0x0248	1	Upper threshold	-	U16
585	0x0249	1	Multiplier upper threshold 0 : / 1 : k 2 : M	-	U8
586	0x024A	1	Hysteresis	%	U8
587	0x024B	1	Specified time	s	U16
588	0x024C	1	Relay status 0 : Open 1 : Closed	-	U8

Dec address	Hex address	Words count	Description	Unit	Data type
589	0x024D	1	Allocation 0 : Cde 1 : I 2 : U 3 : ?P + 4 : ?Q + 5 : ?S 6 : F 7 : ?PFL 8 : thd 3I 9 : thd 3U 10 : IN 11 : Hour 12 : V 13 : thd In 14 : thd 3V 15 : ?P - 16 : ?Q - 17 : ?PFC 18 : Cd-t 19 : T?C 1 20 : T?C 2 21 : T?C 3 22 : T?C internal 23 : ?P predicted 24 : ?Q Precdicted 25 : ?S predicted 26 : Impulse Counter 1 27 : Impulse Counter 2 28 : Impulse Counter 3 29 : Impulse Counter 4 30 : Impulse Counter 5 31 : Impulse Counter 6	-	U8
590	0x024E	1	Lower threshold	-	U16
591	0x024F	1	Multiplier lower threshold 0 : / 1 : k 2 : M	-	U8
592	0x0250	1	Upper threshold	-	U16
593	0x0251	1	Multiplier upper threshold		U8

Setup - relay 5

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
597	0x0255	Settings	0	USER	READ	READ | WRITE | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
597	0x0255	1	Allocation 0 : Cde 1 : I 2 : U 3 : ?P + 4 : ?Q + 5 : ?S 6 : F 7 : ?PFL 8 : thd 3I 9 : thd 3U 10 : IN 11 : Hour 12 : V 13 : thd In 14 : thd 3V 15 : ?P - 16 : ?Q - 17 : ?PFC 18 : Cd-t 19 : T?C 1 20 : T?C 2 21 : T?C 3 22 : T?C internal 23 : ?P predicted 24 : ?Q Precdicted 25 : ?S predicted 26 : Impulse Counter 1 27 : Impulse Counter 2 28 : Impulse Counter 3	-	U8

600	0x0258	1	Upper threshold	-	U16
601	0x0259	1	Multiplier upper threshold 0 : / 1 : k 2 : M	-	U8
602	0x025A	1	Hysteresis	%	U8
603	0x025B	1	Specified time	s	U16
604	0x025C	1	Relay status 0 : Open 1 : Closed	-	U8

Setup - relay 6

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
605	0x025D	Settings	0	USER	READ	READ | WRITE | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
605	0x025D	1	Allocation 0 : Cde 1 : I 2 : U 3 : ?P + 4 : ?Q + 5 : ?S 6 : F 7 : ?PFL 8 : thd 3I 9 : thd 3U 10 : IN 11 : Hour 12 : V 13 : thd In 14 : thd 3V 15 : ?P - 16 : ?Q -	-	U8

			26 : Impulse Counter 1 27 : Impulse Counter 2 28 : Impulse Counter 3 29 : Impulse Counter 4 30 : Impulse Counter 5 31 : Impulse Counter 6		
606	0x025E	1	Lower threshold	-	U16
607	0x025F	1	Multiplier lower threshold 0 : / 1 : k 2 : M	-	U8
608	0x0260	1	Upper threshold	-	U16
609	0x0261	1	Multiplier upper threshold 0 : / 1 : k 2 : M	-	U8
610	0x0262	1	Hysteresis	%	U8
611	0x0263	1	Specified time	s	U16
612	0x0264	1	Relay status 0 : Open 1 : Closed	-	U8

Industrialization

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Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
0	0x0000	Settings	99	NONE	READ | WRITE | WRITE_MANY	READ | WRITE | WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type

9	0x0009	8	Courant Inject? en Calib	-	U16[]
17	0x0011	8	Tension simple Inject? en Calib	-	U16[]
25	0x0019	1	Calib Etat :1 : Execute0 : Finie -1 : Error	-	U8
26	0x001A	1	R?sultat Calib	-	U8
27	0x001B	1	Appuie Touche :0 : I1 : U 3 : P ?	-	U8
28	0x001C	1	Backlitgh forc?e :0 : OFF1 : ON :	-	U8
29	0x001D	1	Segment forc?e :0 : OFF1 : ON :	-	U8
30	0x001E	1	Code Constructeur : 4000	-	U8
31	0x001F	1	Adresse JBUS	-	U8
32	0x0020	1	JBUS Speed	-	U8
33	0x0021	2	Coef G?n?rale Courant	-	U32
35	0x0023	2	Coef G?n?rale Tension	-	U32
37	0x0025	2	Coef G?n?rale Puissance	-	U32
39	0x0027	2	D?phasage Phase 1	-	U32
41	0x0029	2	D?phasage Phase 2	-	U32
43	0x002B	2	D?phasage Phase 3	-	U32
45	0x002D	1	Offset IN	-	U8
46	0x002E	1	Gain IN	-	U8
47	0x002F	1	Offset I1	-	U8
48	0x0030	1	Gain I1	-	U8
49	0x0031	1	Offset I2	-	U8
50	0x0032	1	Gain I2	-	U8
51	0x0033	1	Offset I3	-	U8
52	0x0034	1	Gain I3	-	U8
53	0x0035	1	Offset VN	-	U8
54	0x0036	1	Gain VN	-	U8
55	0x0037	1	Offset V1	-	U8
56	0x0038	1	Gain V1	-	U8
57	0x0039	1	Offset V2	-	U8

65	0x0041	4	Config cal 4/20 N?1	-	U16[]
69	0x0045	4	Config cal 4/20 N?2	-	U16[]
73	0x0049	4	Config cal 4/20 N?3	-	U16[]
77	0x004D	4	Config cal 4/20 N?4	-	U16[]
81	0x0051	1	Diag eeprom interne	-	U8
82	0x0052	1	Diag eeprom externe	-	U8
83	0x0053	6	Date et Heure de calib option memoire	-	U16[]
89	0x0059	1	Memoire info calib	-	U8
90	0x005A	4	Test connection inversion TI	-	U16[]
94	0x005E	1	Config Backligth	-	U8
95	0x005F	1	Config Type Cpt Horaire	-	U8
96	0x0060	1	Config seuil horaire	-	U8
97	0x0061	1	Config Unite seuil horaire	-	U8
98	0x0062	1	Memory option status	-	U8