

Identification

Visualization

Settings

Commands

Industrialization

## Identification

### Product

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
50026	0xC36A	1	Software technical base version (Minor)	-	U16
50027	0xC36B	1	Software technical base version (Revision)	-	U16
50028	0xC36C	1	COM board software major verion	-	U16
50029	0xC36D	1	Customization version (Minor)	-	U16
50030	0xC36E	4	Product VLO (EX : "880100")	-	STRING_NORM
50034	0xC372	4	Customization VLO (EX : "880700")	-	STRING_NORM
50038	0xC376	4	Software technical base VLO (EX : "880600")	-	STRING_NORM
50042	0xC37A	8	Vendor name (EX : "SOCOMECE")	-	STRING_NORM
50050	0xC382	8	Product name (EX : "DIRIS A40R")	-	STRING_NORM
50058	0xC38A	8	Extended name	-	STRING_NORM

## Visualization

### Measurement

#### 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	Reserved	-	-
50514	0xC552	2	Phase to Phase Voltage: U12	V 10 <sup>-2</sup>	U32
50516	0xC554	2	Phase to Phase Voltage: U23	V 10 <sup>-2</sup>	U32
50518	0xC556	2	Phase to Phase Voltage: U31	V 10 <sup>-2</sup>	U32
50520	0xC558	2	Simple voltage : V1	V 10 <sup>-2</sup>	U32
50522	0xC55A	2	Simple voltage : V2	V 10 <sup>-2</sup>	U32

50526	0xC55E	2	Frequency : F	Hz 10 <sup>-2</sup>	U32
50528	0xC560	2	Current : I1	mA	U32
50530	0xC562	2	Current : I2	mA	U32
50532	0xC564	2	Current : I3	mA	U32
50534	0xC566	2	Neutral Current : In	mA	U32
50536	0xC568	2	? Active Power +/- : P	W 10	S32
50538	0xC56A	2	? Reactive Power +/- : Q	var 10	S32
50540	0xC56C	2	? Apparent Power : S	VA 10	U32
50542	0xC56E	2	? Power Factor : -: leading et + : lagging : PF	- / 1000	S32
50544	0xC570	2	Active Power phase 1 +/- : P1	W 10	S32
50546	0xC572	2	Active Power phase 2 +/- : P2	W 10	S32
50548	0xC574	2	Active Power phase 3 +/- : P3	W 10	S32
50550	0xC576	2	Reactive Power phase 1 +/- : Q1	var 10	S32
50552	0xC578	2	Reactive Power phase 2 +/- : Q2	var 10	S32
50554	0xC57A	2	Reactive Power phase 3 +/- : Q3	var 10	S32
50556	0xC57C	2	Apparent Power phase 1 : S1	VA 10	U32
50558	0xC57E	2	Apparent Power phase 2 : S2	VA 10	U32
50560	0xC580	2	Apparent Power phase 3 : S3	VA 10	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	mA	U32
50570	0xC58A	2	System value U Sys : ( U12 + U23 + U31 ) / 3	V 10 <sup>-2</sup>	U32
50572	0xC58C	2	System value V Sys : ( V1 + V2 + V3 ) / 3	V 10 <sup>-2</sup>	U32

**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	36	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
51280	0xC850	1	Reserved	-	-
51281	0xC851	1	Phase to Phase Voltage: U12	V 10 <sup>-2</sup>	U16
51282	0xC852	1	Phase to Phase Voltage: U23	V 10 <sup>-2</sup>	U16
51283	0xC853	1	Phase to Phase Voltage: U31	V 10 <sup>-2</sup>	U16
51284	0xC854	1	Simple voltage : V1	V 10 <sup>-2</sup>	U16
51285	0xC855	1	Simple voltage : V2	V 10 <sup>-2</sup>	U16
51286	0xC856	1	Simple voltage : V3	V 10 <sup>-2</sup>	U16
51287	0xC857	1	Frequency : F	Hz 10 <sup>-2</sup>	U16
51288	0xC858	1	Reserved	-	-
51289	0xC859	1	Reserved	-	-
51290	0xC85A	1	Reserved	-	-
51291	0xC85B	1	Reserved	-	-
51292	0xC85C	1	? active Power +/- : P	W 10	S16
51293	0xC85D	1	? reactive Power +/- : Q	var 10	S16
51294	0xC85E	1	? apparent power : S	VA 10	U16
51295	0xC85F	1	? power factor : -: leading and + : lagging : PF	- / 1000	S16
51296	0xC860	1	Active Power phase 1 +/- : P1	W 10	S16
51297	0xC861	1	Active Power phase 2 +/- : P2	W 10	S16
51298	0xC862	1	Active Power phase 3 +/- : P3	W 10	S16
51299	0xC863	1	Reactive Power phase 1 +/- : Q1	var 10	S16
51300	0xC864	1	Reactive Power phase 2 +/- : Q2	var 10	S16
51301	0xC865	1	Reactive Power phase 3 +/- : Q3	var 10	S16
51302	0xC866	1	Apparent power phase 1 : S1	VA 10	U16
51303	0xC867	1	Apparent power phase 2 : S2	VA 10	U16
51304	0xC868	1	Apparent power phase 3 : S3	VA 10	U16
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	mA	U16
51309	0xC86D	1	System value U Sys : ( U12 + U23 + U31 ) / 3	V 10 <sup>-2</sup>	U16
51310	0xC86E	1	System value V Sys : ( V1 + V2 + V3 ) / 3	V 10 <sup>-2</sup>	U16

51311	0xC86F	1	Total Positive Active Energy (no resetable) : Ea+	Wh / 1E-06	U16
51312	0xC870	1	Total Positive Reactive Energy (no resetable) : Er +	varh / 1E-06	U16
51313	0xC871	1	Total Negative Active Energy (no resetable) : Ea-	Wh / 1E-06	U16
51314	0xC872	1	Total Negative Reactive Energy (no resetable) : Er -	varh / 1E-06	U16
51315	0xC873	1	Reserved	-	-

## Energies

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

Dec address	Hex address	Words count	Description	Unit	Data type
50768	0xC650	2	Reserved	-	-
50770	0xC652	2	Total Positive Active Energy (no resetable) : Ea+	kWh	U32
50772	0xC654	2	Total Positive Reactive Energy (no resetable) : Er +	varh 10 <sup>3</sup>	U32
50774	0xC656	2	Total Apparent Energy (no resetable) : Eap	kVAh	U32
50776	0xC658	2	Total Negative Active Energy (no resetable) : Ea-	kWh	U32
50778	0xC65A	2	Total Negative Reactive Energy (no resetable) : Er -	varh 10 <sup>3</sup>	U32
50780	0xC65C	2	Partial Positive Active Energy: Ea+	kWh	U32
50782	0xC65E	2	Partial Positive Reactive Energy: Er +	varh 10 <sup>3</sup>	U32
50784	0xC660	2	Partial Apparent Energy : Eap	kVAh	U32
50786	0xC662	2	Partial Negative Active Energy : Ea-	kWh	U32
50788	0xC664	2	Partial Negative Reactive Energy : Er -	varh 10 <sup>3</sup>	U32
50790	0xC666	2	Reserved	-	-
50792	0xC668	2	Reserved	-	-
50794	0xC66A	2	Reserved	-	-
50796	0xC66C	2	Reserved	-	-
50798	0xC66E	2	Reserved	-	-
50800	0xC670	2	Reserved	-	-
50802	0xC672	2	Reserved	-	-
50804	0xC674	2	Reserved	-	-
50806	0xC676	2	Reserved	-	-
50808	0xC678	2	Reserved	-	-
50810	0xC67A	2	Reserved	-	-
50812	0xC67C	2	Reserved	-	-
50814	0xC67E	2	Reserved	-	-
50816	0xC680	2	Reserved	-	-
50818	0xC682	2	Reserved	-	-
50820	0xC684	2	Reserved	-	-
50822	0xC686	2	Reserved	-	-
50824	0xC688	2	Reserved	-	-
50826	0xC68A	2	Last date for Record average P/Q/S in second since 01/01/2000	-	DATETIME
50828	0xC68C	1	Last average (P+)	W	U16
50829	0xC68D	1	Reserved	-	-
50830	0xC68E	1	Reserved	-	-
50831	0xC68F	1	Reserved	-	-
50832	0xC690	1	Reserved	-	-

## Energies in Unit/100

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
50944	0xC700	Info	65	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
50944	0xC700	2	Reserved	-	-
50946	0xC702	2	Total Positive Active Energy (no resetable) : Ea+	Wh 10	U32
50948	0xC704	2	Total Positive Reactive Energy (no resetable) : Er +	varh 10	U32
50950	0xC706	2	Total Apparent Energy (no resetable) : Eap	VAh 10	U32
50952	0xC708	2	Total Negative Active Energy (no resetable) : Ea-	Wh 10	U32
50954	0xC70A	2	Total Negative Reactive Energy (no resetable) : Er -	varh 10	U32
50956	0xC70C	2	Partial Positive Active Energy: Ea+	Wh 10	U32

50958	0xC70E	2	Partial Positive Reactive Energy : Er +	varh 10	U32
50960	0xC710	2	Partial Apparent Energy : Eap	VAh 10	U32
50962	0xC712	2	Partial Negative Active Energy : Ea-	Wh 10	U32
50964	0xC714	2	Partial Negative Reactive Energy : Er -	varh 10	U32
50966	0xC716	2	Reserved	-	-
50968	0xC718	2	Reserved	-	-
50970	0xC71A	2	Reserved	-	-
50972	0xC71C	2	Reserved	-	-
50974	0xC71E	2	Reserved	-	-
50976	0xC720	2	Reserved	-	-
50978	0xC722	2	Reserved	-	-
50980	0xC724	2	Reserved	-	-
50982	0xC726	2	Reserved	-	-
50984	0xC728	2	Reserved	-	-
50986	0xC72A	2	Reserved	-	-
50988	0xC72C	2	Reserved	-	-
50990	0xC72E	2	Reserved	-	-
50992	0xC730	2	Reserved	-	-
50994	0xC732	2	Reserved	-	-
50996	0xC734	2	Reserved	-	-
50998	0xC736	2	Reserved	-	-
51000	0xC738	2	Reserved	-	-
51002	0xC73A	2	Last date for Record average P/Q/S in second since 01/01/2000	-	U32
51004	0xC73C	1	Last average (P+)	W	U16
51005	0xC73D	1	Reserved	-	-
51006	0xC73E	1	Reserved	-	-
51007	0xC73F	1	Reserved	-	-
51008	0xC740	1	Reserved	-	-

### Energies per tariff

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
50848	0xC6A0	Info	50	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
50848	0xC6A0	1	1 >= Tariff number <= 4	-	U8
50849	0xC6A1	1	Tariff number in progress ( 1 to 4 ) 1 : Tariff 1 2 : Tariff 2 3 : Tariff 3 4 : Tariff 4	-	U8
50850	0xC6A2	2	Positive Active Energies 1	kWh	U32
50852	0xC6A4	2	Positive Active Energies 2	kWh	U32
50854	0xC6A6	2	Positive Active Energies 3	kWh	U32
50856	0xC6A8	2	Positive Active Energies 4	kWh	U32
50858	0xC6AA	2	Reserved	-	-
50860	0xC6AC	2	Reserved	-	-
50862	0xC6AE	2	Reserved	-	-
50864	0xC6B0	2	Reserved	-	-
50866	0xC6B2	2	Positive Reactive Energies 1	varh 10 <sup>3</sup>	U32
50868	0xC6B4	2	Positive Reactive Energies 2	varh 10 <sup>3</sup>	U32
50870	0xC6B6	2	Positive Reactive Energies 3	varh 10 <sup>3</sup>	U32
50872	0xC6B8	2	Positive Reactive Energies 4	varh 10 <sup>3</sup>	U32
50874	0xC6BA	2	Reserved	-	-
50876	0xC6BC	2	Reserved	-	-
50878	0xC6BE	2	Reserved	-	-
50880	0xC6C0	2	Reserved	-	-
50882	0xC6C2	2	Time Counter 1	h 10 <sup>-2</sup>	U32
50884	0xC6C4	2	Time Counter 2	h 10 <sup>-2</sup>	U32
50886	0xC6C6	2	Time Counter 3	h 10 <sup>-2</sup>	U32
50888	0xC6C8	2	Time Counter 4	h 10 <sup>-2</sup>	U32
50890	0xC6CA	2	Reserved	-	-
50892	0xC6CC	2	Reserved	-	-

50894	0xC6CE	2	Reserved	-	-
50896	0xC6D0	2	Reserved	-	-

### Energies per tariff in Unit/100

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
51200	0xC800	Info	50	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
51200	0xC800	1	1 >= Tariff number <= 4	-	U8
51201	0xC801	1	Tariff number in progress ( 1 to 4 ) 1 : Tariff 1 2 : Tariff 2 3 : Tariff 3 4 : Tariff 4	-	U8
51202	0xC802	2	Positive Active Energies 1	Wh 10	U32
51204	0xC804	2	Positive Active Energies 2	Wh 10	U32
51206	0xC806	2	Positive Active Energies 3	Wh 10	U32
51208	0xC808	2	Positive Active Energies 4	Wh 10	U32
51210	0xC80A	2	Reserved	-	-
51212	0xC80C	2	Reserved	-	-
51214	0xC80E	2	Reserved	-	-
51216	0xC810	2	Reserved	-	-
51218	0xC812	2	Positive Reactive Enegies 1	varh 10	U32
51220	0xC814	2	Positive Reactive Enegies 2	varh 10	U32
51222	0xC816	2	Positive Reactive Enegies 3	varh 10	U32
51224	0xC818	2	Positive Reactive Enegies 4	varh 10	U32
51226	0xC81A	2	Reserved	-	-
51228	0xC81C	2	Reserved	-	-
51230	0xC81E	2	Reserved	-	-
51232	0xC820	2	Reserved	-	-
51234	0xC822	2	Time Counter 1	h 10 <sup>-2</sup>	U32
51236	0xC824	2	Time Counter 2	h 10 <sup>-2</sup>	U32
51238	0xC826	2	Time Counter 3	h 10 <sup>-2</sup>	U32
51240	0xC828	2	Time Counter 4	h 10 <sup>-2</sup>	U32
51242	0xC82A	2	Reserved	-	-
51244	0xC82C	2	Reserved	-	-
51246	0xC82E	2	Reserved	-	-
51248	0xC830	2	Reserved	-	-

### Energy measurement - Line #1

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
19840	0x4D80	Info	66	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
19840	0x4D80	1	Reserved	-	-
19841	0x4D81	2	Reserved	-	-
19843	0x4D83	2	Total Positive active Energy : Ea+	kWh	U32
19845	0x4D85	1	Total Residual positive active Energy : rEa+	Wh 10 <sup>-1</sup>	U16
19846	0x4D86	2	Total Negative active Energy : Ea-	kWh	U32
19848	0x4D88	1	Total Residual negative active Energy : rEa-	Wh 10 <sup>-1</sup>	U16
19849	0x4D89	2	Total Positive reactive Energy : Er+	varh 10 <sup>3</sup>	U32
19851	0x4D8B	1	Total Residual positive reactive Energy : rEr+	varh 10 <sup>-1</sup>	U16
19852	0x4D8C	2	Total Negative reactive Energy : Er-	varh 10 <sup>3</sup>	U32
19854	0x4D8E	1	Total Residual negative reactive Energy : rEr-	varh 10 <sup>-1</sup>	U16
19855	0x4D8F	2	Total Apparent Energy : Eap	kVAh	U32
19857	0x4D91	1	Total Residual apparent Energy : rEap	VAh 10 <sup>-1</sup>	U16
19858	0x4D92	2	Total positive lagging reactive Energy : Er+ (lagging)	varh 10 <sup>3</sup>	U32
19860	0x4D94	1	Total Residual positive lagging reactive Energy : rEr+ (lagging)	varh 10 <sup>-1</sup>	U16
19861	0x4D95	2	Total negative lagging reactive Energy : Er- (lagging)	varh 10 <sup>3</sup>	U32
19863	0x4D97	1	Total Residual negative lagging reactive Energy : rEr- (lagging)	varh 10 <sup>-1</sup>	U16

19864	0x4D98	2	Total positive leading reactive Energy : Er+ (leading)	varh 10 <sup>3</sup>	U32
19866	0x4D9A	1	Total Residual positive leading reactive Energy : rEr+ (leading)	varh 10 <sup>-1</sup>	U16
19867	0x4D9B	2	Total negative leading reactive Energy : Er- (leading)	varh 10 <sup>3</sup>	U32
19869	0x4D9D	1	Total Residual negative leading reactive Energy : rEr- (leading)	varh 10 <sup>-1</sup>	U16
19870	0x4D9E	2	Reserved	-	-
19872	0x4DA0	2	Reserved	-	-
19874	0x4DA2	1	Reserved	-	-
19875	0x4DA3	2	Reserved	-	-
19877	0x4DA5	1	Reserved	-	-
19878	0x4DA6	2	Reserved	-	-
19880	0x4DA8	1	Reserved	-	-
19881	0x4DA9	2	Reserved	-	-
19883	0x4DAB	1	Reserved	-	-
19884	0x4DAC	2	Reserved	-	-
19886	0x4DAE	1	Reserved	-	-
19887	0x4DAF	2	Reserved	-	-
19889	0x4DB1	2	Reserved	-	-
19891	0x4DB3	2	Reserved	-	-
19893	0x4DB5	1	Reserved	-	-
19894	0x4DB6	2	Reserved	-	-
19896	0x4DB8	1	Reserved	-	-
19897	0x4DB9	2	Reserved	-	-
19899	0x4DBB	1	Reserved	-	-
19900	0x4DBC	2	Reserved	-	-
19902	0x4DBE	1	Reserved	-	-
19903	0x4DBF	2	Reserved	-	-
19905	0x4DC1	1	Reserved	-	-

## Energy measurement - Line #2

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
21888	0x5580	Info	66	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
21888	0x5580	1	Reserved	-	-
21889	0x5581	2	Reserved	-	-
21891	0x5583	2	Total Positive active Energy : Ea+	kWh	U32
21893	0x5585	1	Total Residual positive active Energy : rEa+	Wh 10 <sup>-1</sup>	U16
21894	0x5586	2	Total Negative active Energy : Ea-	kWh	U32
21896	0x5588	1	Total Residual negative active Energy : rEa-	Wh 10 <sup>-1</sup>	U16
21897	0x5589	2	Total Positive reactive Energy : Er+	varh 10 <sup>3</sup>	U32
21899	0x558B	1	Total Residual positive reactive Energy : rEr+	varh 10 <sup>-1</sup>	U16
21900	0x558C	2	Total Negative reactive Energy : Er-	varh 10 <sup>3</sup>	U32
21902	0x558E	1	Total Residual negative reactive Energy : rEr-	varh 10 <sup>-1</sup>	U16
21903	0x558F	2	Total Apparent Energy : Eap	kVAh	U32
21905	0x5591	1	Total Residual apparent Energy : rEap	VAh 10 <sup>-1</sup>	U16
21906	0x5592	2	Total positive lagging reactive Energy : Er+ (lagging)	varh 10 <sup>3</sup>	U32
21908	0x5594	1	Total Residual positive lagging reactive Energy : rEr+ (lagging)	varh 10 <sup>-1</sup>	U16
21909	0x5595	2	Total negative lagging reactive Energy : Er- (lagging)	varh 10 <sup>3</sup>	U32
21911	0x5597	1	Total Residual negative lagging reactive Energy : rEr- (lagging)	varh 10 <sup>-1</sup>	U16
21912	0x5598	2	Total positive leading reactive Energy : Er+ (leading)	varh 10 <sup>3</sup>	U32
21914	0x559A	1	Total Residual positive leading reactive Energy : rEr+ (leading)	varh 10 <sup>-1</sup>	U16
21915	0x559B	2	Total negative leading reactive Energy : Er- (leading)	varh 10 <sup>3</sup>	U32
21917	0x559D	1	Total Residual negative leading reactive Energy : rEr- (leading)	varh 10 <sup>-1</sup>	U16
21918	0x559E	2	Reserved	-	-
21920	0x55A0	2	Reserved	-	-
21922	0x55A2	1	Reserved	-	-
21923	0x55A3	2	Reserved	-	-
21925	0x55A5	1	Reserved	-	-
21926	0x55A6	2	Reserved	-	-
21928	0x55A8	1	Reserved	-	-
21929	0x55A9	2	Reserved	-	-



21931	0x55AB	1	Reserved	-	-
21932	0x55AC	2	Reserved	-	-
21934	0x55AE	1	Reserved	-	-
21935	0x55AF	2	Reserved	-	-
21937	0x55B1	2	Reserved	-	-
21939	0x55B3	2	Reserved	-	-
21941	0x55B5	1	Reserved	-	-
21942	0x55B6	2	Reserved	-	-
21944	0x55B8	1	Reserved	-	-
21945	0x55B9	2	Reserved	-	-
21947	0x55BB	1	Reserved	-	-
21948	0x55BC	2	Reserved	-	-
21950	0x55BE	1	Reserved	-	-
21951	0x55BF	2	Reserved	-	-
21953	0x55C1	1	Reserved	-	-

### Energy measurement - Line #3

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
23936	0x5D80	Info	66	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
23936	0x5D80	1	Reserved	-	-
23937	0x5D81	2	Reserved	-	-
23939	0x5D83	2	Total Positive active Energy : Ea+	kWh	U32
23941	0x5D85	1	Total Residual positive active Energy : rEa+	Wh 10 <sup>-1</sup>	U16
23942	0x5D86	2	Total Negative active Energy : Ea-	kWh	U32
23944	0x5D88	1	Total Residual negative active Energy : rEa-	Wh 10 <sup>-1</sup>	U16
23945	0x5D89	2	Total Positive reactive Energy : Er+	varh 10 <sup>3</sup>	U32
23947	0x5D8B	1	Total Residual positive reactive Energy : rEr+	varh 10 <sup>-1</sup>	U16
23948	0x5D8C	2	Total Negative reactive Energy : Er-	varh 10 <sup>3</sup>	U32
23950	0x5D8E	1	Total Residual negative reactive Energy : rEr-	varh 10 <sup>-1</sup>	U16
23951	0x5D8F	2	Total Apparent Energy : Eap	kVAh	U32
23953	0x5D91	1	Total Residual apparent Energy : rEap	VAh 10 <sup>-1</sup>	U16
23954	0x5D92	2	Total positive lagging reactive Energy : Er+ (lagging)	varh 10 <sup>3</sup>	U32
23956	0x5D94	1	Total Residual positive lagging reactive Energy : rEr+ (lagging)	varh 10 <sup>-1</sup>	U16
23957	0x5D95	2	Total negative lagging reactive Energy : Er- (lagging)	varh 10 <sup>3</sup>	U32
23959	0x5D97	1	Total Residual negative lagging reactive Energy : rEr- (lagging)	varh 10 <sup>-1</sup>	U16
23960	0x5D98	2	Total positive leading reactive Energy : Er+ (leading)	varh 10 <sup>3</sup>	U32
23962	0x5D9A	1	Total Residual positive leading reactive Energy : rEr+ (leading)	varh 10 <sup>-1</sup>	U16
23963	0x5D9B	2	Total negative leading reactive Energy : Er- (leading)	varh 10 <sup>3</sup>	U32
23965	0x5D9D	1	Total Residual negative leading reactive Energy : rEr- (leading)	varh 10 <sup>-1</sup>	U16
23966	0x5D9E	2	Reserved	-	-
23968	0x5DA0	2	Reserved	-	-
23970	0x5DA2	1	Reserved	-	-
23971	0x5DA3	2	Reserved	-	-
23973	0x5DA5	1	Reserved	-	-
23974	0x5DA6	2	Reserved	-	-
23976	0x5DA8	1	Reserved	-	-
23977	0x5DA9	2	Reserved	-	-
23979	0x5DAB	1	Reserved	-	-
23980	0x5DAC	2	Reserved	-	-
23982	0x5DAE	1	Reserved	-	-
23983	0x5DAF	2	Reserved	-	-
23985	0x5DB1	2	Reserved	-	-
23987	0x5DB3	2	Reserved	-	-
23989	0x5DB5	1	Reserved	-	-
23990	0x5DB6	2	Reserved	-	-
23992	0x5DB8	1	Reserved	-	-
23993	0x5DB9	2	Reserved	-	-
23995	0x5DBB	1	Reserved	-	-
23996	0x5DBC	2	Reserved	-	-

23998	0x5DBE	1	Reserved	-	-
23999	0x5DBF	2	Reserved	-	-
24001	0x5DC1	1	Reserved	-	-

### Energy measurement - Total

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
25984	0x6580	Info	66	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
25984	0x6580	1	Reserved	-	-
25985	0x6581	2	Reserved	-	-
25987	0x6583	2	Total Positive active Energy : Ea+	kWh	U32
25989	0x6585	1	Total Residual positive active Energy : rEa+	Wh 10 <sup>-1</sup>	U16
25990	0x6586	2	Total Negative active Energy : Ea-	kWh	U32
25992	0x6588	1	Total Residual negative active Energy : rEa-	Wh 10 <sup>-1</sup>	U16
25993	0x6589	2	Total Positive reactive Energy : Er+	varh 10 <sup>3</sup>	U32
25995	0x658B	1	Total Residual positive reactive Energy : rEr+	varh 10 <sup>-1</sup>	U16
25996	0x658C	2	Total Negative reactive Energy : Er-	varh 10 <sup>3</sup>	U32
25998	0x658E	1	Total Residual negative reactive Energy : rEr-	varh 10 <sup>-1</sup>	U16
25999	0x658F	2	Total Apparent Energy : Eap	kVAh	U32
26001	0x6591	1	Total Residual apparent Energy : rEap	VAh 10 <sup>-1</sup>	U16
26002	0x6592	2	Total positive lagging reactive Energy : Er+ (lagging)	varh 10 <sup>3</sup>	U32
26004	0x6594	1	Total Residual positive lagging reactive Energy : rEr+ (lagging)	varh 10 <sup>-1</sup>	U16
26005	0x6595	2	Total negative lagging reactive Energy : Er- (lagging)	varh 10 <sup>3</sup>	U32
26007	0x6597	1	Total Residual negative lagging reactive Energy : rEr- (lagging)	varh 10 <sup>-1</sup>	U16
26008	0x6598	2	Total positive leading reactive Energy : Er+ (leading)	varh 10 <sup>3</sup>	U32
26010	0x659A	1	Total Residual positive leading reactive Energy : rEr+ (leading)	varh 10 <sup>-1</sup>	U16
26011	0x659B	2	Total negative leading reactive Energy : Er- (leading)	varh 10 <sup>3</sup>	U32
26013	0x659D	1	Total Residual negative leading reactive Energy : rEr- (leading)	varh 10 <sup>-1</sup>	U16
26014	0x659E	2	Reserved	-	-
26016	0x65A0	2	Reserved	-	-
26018	0x65A2	1	Reserved	-	-
26019	0x65A3	2	Reserved	-	-
26021	0x65A5	1	Reserved	-	-
26022	0x65A6	2	Reserved	-	-
26024	0x65A8	1	Reserved	-	-
26025	0x65A9	2	Reserved	-	-
26027	0x65AB	1	Reserved	-	-
26028	0x65AC	2	Reserved	-	-
26030	0x65AE	1	Reserved	-	-
26031	0x65AF	2	Reserved	-	-
26033	0x65B1	2	Reserved	-	-
26035	0x65B3	2	Reserved	-	-
26037	0x65B5	1	Reserved	-	-
26038	0x65B6	2	Reserved	-	-
26040	0x65B8	1	Reserved	-	-
26041	0x65B9	2	Reserved	-	-
26043	0x65BB	1	Reserved	-	-
26044	0x65BC	2	Reserved	-	-
26046	0x65BE	1	Reserved	-	-
26047	0x65BF	2	Reserved	-	-
26049	0x65C1	1	Reserved	-	-

### Tariff meter (total) - Line #1 (EA)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20224	0x4F00	Info	33	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type



20224	0x4F00	1	Tariff number in progress ( 1 to 4 ) 1 : Tariff 1 2 : Tariff 2 3 : Tariff 3 4 : Tariff 4	-	U16
20225	0x4F01	2	T1 - Ea+	kWh	U32
20227	0x4F03	2	T2 - Ea+	kWh	U32
20229	0x4F05	2	T3 - Ea+	kWh	U32
20231	0x4F07	2	T4 - Ea+	kWh	U32
20233	0x4F09	2	Reserved	-	-
20235	0x4F0B	2	Reserved	-	-
20237	0x4F0D	2	Reserved	-	-
20239	0x4F0F	2	Reserved	-	-
20241	0x4F11	2	T1 - Ea-	kWh	U32
20243	0x4F13	2	T2 - Ea-	kWh	U32
20245	0x4F15	2	T3 - Ea-	kWh	U32
20247	0x4F17	2	T4 - Ea-	kWh	U32
20249	0x4F19	2	Reserved	-	-
20251	0x4F1B	2	Reserved	-	-
20253	0x4F1D	2	Reserved	-	-
20255	0x4F1F	2	Reserved	-	-

### Tariff meter (total) - Line #1 (ER)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20257	0x4F21	Info	96	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
20257	0x4F21	2	T1 - Er+	varh 10 <sup>3</sup>	U32
20259	0x4F23	2	T2 - Er+	varh 10 <sup>3</sup>	U32
20261	0x4F25	2	T3 - Er+	varh 10 <sup>3</sup>	U32
20263	0x4F27	2	T4 - Er+	varh 10 <sup>3</sup>	U32
20265	0x4F29	2	Reserved	-	-
20267	0x4F2B	2	Reserved	-	-
20269	0x4F2D	2	Reserved	-	-
20271	0x4F2F	2	Reserved	-	-
20273	0x4F31	2	T1 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
20275	0x4F33	2	T2 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
20277	0x4F35	2	T3 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
20279	0x4F37	2	T4 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
20281	0x4F39	2	Reserved	-	-
20283	0x4F3B	2	Reserved	-	-
20285	0x4F3D	2	Reserved	-	-
20287	0x4F3F	2	Reserved	-	-
20289	0x4F41	2	T1 - Er+ (leading)	varh 10 <sup>3</sup>	U32
20291	0x4F43	2	T2 - Er+ (leading)	varh 10 <sup>3</sup>	U32
20293	0x4F45	2	T3 - Er+ (leading)	varh 10 <sup>3</sup>	U32
20295	0x4F47	2	T4 - Er+ (leading)	varh 10 <sup>3</sup>	U32
20297	0x4F49	2	Reserved	-	-
20299	0x4F4B	2	Reserved	-	-
20301	0x4F4D	2	Reserved	-	-
20303	0x4F4F	2	Reserved	-	-
20305	0x4F51	2	T1 - Er-	varh 10 <sup>3</sup>	U32
20307	0x4F53	2	T2 - Er-	varh 10 <sup>3</sup>	U32
20309	0x4F55	2	T3 - Er-	varh 10 <sup>3</sup>	U32
20311	0x4F57	2	T4 - Er-	varh 10 <sup>3</sup>	U32
20313	0x4F59	2	Reserved	-	-
20315	0x4F5B	2	Reserved	-	-
20317	0x4F5D	2	Reserved	-	-
20319	0x4F5F	2	Reserved	-	-
20321	0x4F61	2	T1 - Er- (lagging)	varh 10 <sup>3</sup>	U32
20323	0x4F63	2	T2 - Er- (lagging)	varh 10 <sup>3</sup>	U32
20325	0x4F65	2	T3 - Er- (lagging)	varh 10 <sup>3</sup>	U32

20327	0x4F67	2	T4 - Er- (lagging)	varh 10 <sup>3</sup>	U32
20329	0x4F69	2	Reserved	-	-
20331	0x4F6B	2	Reserved	-	-
20333	0x4F6D	2	Reserved	-	-
20335	0x4F6F	2	Reserved	-	-
20337	0x4F71	2	T1 - Er- (leading)	varh 10 <sup>3</sup>	U32
20339	0x4F73	2	T2 - Er- (leading)	varh 10 <sup>3</sup>	U32
20341	0x4F75	2	T3 - Er- (leading)	varh 10 <sup>3</sup>	U32
20343	0x4F77	2	T4 - Er- (leading)	varh 10 <sup>3</sup>	U32
20345	0x4F79	2	Reserved	-	-
20347	0x4F7B	2	Reserved	-	-
20349	0x4F7D	2	Reserved	-	-
20351	0x4F7F	2	Reserved	-	-

**Tariff meter (total) - Line #1 (ES)**

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
20353	0x4F81	Info	16	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
20353	0x4F81	2	T1 - Eap	kVAh	U32
20355	0x4F83	2	T2 - Eap	kVAh	U32
20357	0x4F85	2	T3 - Eap	kVAh	U32
20359	0x4F87	2	T4 - Eap	kVAh	U32
20361	0x4F89	2	Reserved	-	-
20363	0x4F8B	2	Reserved	-	-
20365	0x4F8D	2	Reserved	-	-
20367	0x4F8F	2	Reserved	-	-

**Tariff meter (total) - Line #2 (EA)**

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
22272	0x5700	Info	33	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
22272	0x5700	1	Tariff number in progress ( 1 to 4 ) 1 : Tariff 1 2 : Tariff 2 3 : Tariff 3 4 : Tariff 4	-	U16
22273	0x5701	2	T1 - Ea+	kWh	U32
22275	0x5703	2	T2 - Ea+	kWh	U32
22277	0x5705	2	T3 - Ea+	kWh	U32
22279	0x5707	2	T4 - Ea+	kWh	U32
22281	0x5709	2	Reserved	-	-
22283	0x570B	2	Reserved	-	-
22285	0x570D	2	Reserved	-	-
22287	0x570F	2	Reserved	-	-
22289	0x5711	2	T1 - Ea-	kWh	U32
22291	0x5713	2	T2 - Ea-	kWh	U32
22293	0x5715	2	T3 - Ea-	kWh	U32
22295	0x5717	2	T4 - Ea-	kWh	U32
22297	0x5719	2	Reserved	-	-
22299	0x571B	2	Reserved	-	-
22301	0x571D	2	Reserved	-	-
22303	0x571F	2	Reserved	-	-

**Tariff meter (total) - Line #2 (ER)**

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
22305	0x5721	Info	96	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
22305	0x5721	2	T1 - Er+	varh 10 <sup>3</sup>	U32
22307	0x5723	2	T2 - Er+	varh 10 <sup>3</sup>	U32
22309	0x5725	2	T3 - Er+	varh 10 <sup>3</sup>	U32
22311	0x5727	2	T4 - Er+	varh 10 <sup>3</sup>	U32
22313	0x5729	2	Reserved	-	-
22315	0x572B	2	Reserved	-	-
22317	0x572D	2	Reserved	-	-
22319	0x572F	2	Reserved	-	-
22321	0x5731	2	T1 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
22323	0x5733	2	T2 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
22325	0x5735	2	T3 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
22327	0x5737	2	T4 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
22329	0x5739	2	Reserved	-	-
22331	0x573B	2	Reserved	-	-
22333	0x573D	2	Reserved	-	-
22335	0x573F	2	Reserved	-	-
22337	0x5741	2	T1 - Er+ (leading)	varh 10 <sup>3</sup>	U32
22339	0x5743	2	T2 - Er+ (leading)	varh 10 <sup>3</sup>	U32
22341	0x5745	2	T3 - Er+ (leading)	varh 10 <sup>3</sup>	U32
22343	0x5747	2	T4 - Er+ (leading)	varh 10 <sup>3</sup>	U32
22345	0x5749	2	Reserved	-	-
22347	0x574B	2	Reserved	-	-
22349	0x574D	2	Reserved	-	-
22351	0x574F	2	Reserved	-	-
22353	0x5751	2	T1 - Er-	varh 10 <sup>3</sup>	U32
22355	0x5753	2	T2 - Er-	varh 10 <sup>3</sup>	U32
22357	0x5755	2	T3 - Er-	varh 10 <sup>3</sup>	U32
22359	0x5757	2	T4 - Er-	varh 10 <sup>3</sup>	U32
22361	0x5759	2	Reserved	-	-
22363	0x575B	2	Reserved	-	-
22365	0x575D	2	Reserved	-	-
22367	0x575F	2	Reserved	-	-
22369	0x5761	2	T1 - Er- (lagging)	varh 10 <sup>3</sup>	U32
22371	0x5763	2	T2 - Er- (lagging)	varh 10 <sup>3</sup>	U32
22373	0x5765	2	T3 - Er- (lagging)	varh 10 <sup>3</sup>	U32
22375	0x5767	2	T4 - Er- (lagging)	varh 10 <sup>3</sup>	U32
22377	0x5769	2	Reserved	-	-
22379	0x576B	2	Reserved	-	-
22381	0x576D	2	Reserved	-	-
22383	0x576F	2	Reserved	-	-
22385	0x5771	2	T1 - Er- (leading)	varh 10 <sup>3</sup>	U32
22387	0x5773	2	T2 - Er- (leading)	varh 10 <sup>3</sup>	U32
22389	0x5775	2	T3 - Er- (leading)	varh 10 <sup>3</sup>	U32
22391	0x5777	2	T4 - Er- (leading)	varh 10 <sup>3</sup>	U32
22393	0x5779	2	Reserved	-	-
22395	0x577B	2	Reserved	-	-
22397	0x577D	2	Reserved	-	-
22399	0x577F	2	Reserved	-	-

**Tariff meter (total) - Line #2\_(ES)**

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
22401	0x5781	Info	16	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
22401	0x5781	2	T1 - Eap	kVAh	U32
22403	0x5783	2	T2 - Eap	kVAh	U32
22405	0x5785	2	T3 - Eap	kVAh	U32
22407	0x5787	2	T4 - Eap	kVAh	U32
22409	0x5789	2	Reserved	-	-

22411	0x578B	2	Reserved	-	-
22413	0x578D	2	Reserved	-	-
22415	0x578F	2	Reserved	-	-

### Tariff meter (total) - Line #3 (EA)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
24320	0x5F00	Info	33	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
24320	0x5F00	1	Tariff number in progress ( 1 to 4 ) 1 : Tariff 1 2 : Tariff 2 3 : Tariff 3 4 : Tariff 4	-	U16
24321	0x5F01	2	T1 - Ea+	kWh	U32
24323	0x5F03	2	T2 - Ea+	kWh	U32
24325	0x5F05	2	T3 - Ea+	kWh	U32
24327	0x5F07	2	T4 - Ea+	kWh	U32
24329	0x5F09	2	Reserved	-	-
24331	0x5F0B	2	Reserved	-	-
24333	0x5F0D	2	Reserved	-	-
24335	0x5F0F	2	Reserved	-	-
24337	0x5F11	2	T1 - Ea-	kWh	U32
24339	0x5F13	2	T2 - Ea-	kWh	U32
24341	0x5F15	2	T3 - Ea-	kWh	U32
24343	0x5F17	2	T4 - Ea-	kWh	U32
24345	0x5F19	2	Reserved	-	-
24347	0x5F1B	2	Reserved	-	-
24349	0x5F1D	2	Reserved	-	-
24351	0x5F1F	2	Reserved	-	-

### Tariff meter (total) - Line #3 (ER)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
24353	0x5F21	Info	96	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
24353	0x5F21	2	T1 - Er+	varh 10 <sup>3</sup>	U32
24355	0x5F23	2	T2 - Er+	varh 10 <sup>3</sup>	U32
24357	0x5F25	2	T3 - Er+	varh 10 <sup>3</sup>	U32
24359	0x5F27	2	T4 - Er+	varh 10 <sup>3</sup>	U32
24361	0x5F29	2	Reserved	-	-
24363	0x5F2B	2	Reserved	-	-
24365	0x5F2D	2	Reserved	-	-
24367	0x5F2F	2	Reserved	-	-
24369	0x5F31	2	T1 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
24371	0x5F33	2	T2 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
24373	0x5F35	2	T3 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
24375	0x5F37	2	T4 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
24377	0x5F39	2	Reserved	-	-
24379	0x5F3B	2	Reserved	-	-
24381	0x5F3D	2	Reserved	-	-
24383	0x5F3F	2	Reserved	-	-
24385	0x5F41	2	T1 - Er+ (leading)	varh 10 <sup>3</sup>	U32
24387	0x5F43	2	T2 - Er+ (leading)	varh 10 <sup>3</sup>	U32
24389	0x5F45	2	T3 - Er+ (leading)	varh 10 <sup>3</sup>	U32
24391	0x5F47	2	T4 - Er+ (leading)	varh 10 <sup>3</sup>	U32
24393	0x5F49	2	Reserved	-	-
24395	0x5F4B	2	Reserved	-	-
24397	0x5F4D	2	Reserved	-	-
24399	0x5F4F	2	Reserved	-	-
24401	0x5F51	2	T1 - Er-	varh 10 <sup>3</sup>	U32

24403	0x5F53	2	T2 - Er-	varh 10 <sup>3</sup>	U32
24405	0x5F55	2	T3 - Er-	varh 10 <sup>3</sup>	U32
24407	0x5F57	2	T4 - Er-	varh 10 <sup>3</sup>	U32
24409	0x5F59	2	Reserved	-	-
24411	0x5F5B	2	Reserved	-	-
24413	0x5F5D	2	Reserved	-	-
24415	0x5F5F	2	Reserved	-	-
24417	0x5F61	2	T1 - Er- (lagging)	varh 10 <sup>3</sup>	U32
24419	0x5F63	2	T2 - Er- (lagging)	varh 10 <sup>3</sup>	U32
24421	0x5F65	2	T3 - Er- (lagging)	varh 10 <sup>3</sup>	U32
24423	0x5F67	2	T4 - Er- (lagging)	varh 10 <sup>3</sup>	U32
24425	0x5F69	2	Reserved	-	-
24427	0x5F6B	2	Reserved	-	-
24429	0x5F6D	2	Reserved	-	-
24431	0x5F6F	2	Reserved	-	-
24433	0x5F71	2	T1 - Er- (leading)	varh 10 <sup>3</sup>	U32
24435	0x5F73	2	T2 - Er- (leading)	varh 10 <sup>3</sup>	U32
24437	0x5F75	2	T3 - Er- (leading)	varh 10 <sup>3</sup>	U32
24439	0x5F77	2	T4 - Er- (leading)	varh 10 <sup>3</sup>	U32
24441	0x5F79	2	Reserved	-	-
24443	0x5F7B	2	Reserved	-	-
24445	0x5F7D	2	Reserved	-	-
24447	0x5F7F	2	Reserved	-	-

### Tariff meter (total) - Line #3 (ES)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
24449	0x5F81	Info	16	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
24449	0x5F81	2	T1 - Eap	kVAh	U32
24451	0x5F83	2	T2 - Eap	kVAh	U32
24453	0x5F85	2	T3 - Eap	kVAh	U32
24455	0x5F87	2	T4 - Eap	kVAh	U32
24457	0x5F89	2	Reserved	-	-
24459	0x5F8B	2	Reserved	-	-
24461	0x5F8D	2	Reserved	-	-
24463	0x5F8F	2	Reserved	-	-

### Tariff meter (total) - Total (EA)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
26368	0x6700	Info	33	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
26368	0x6700	1	Tariff number in progress 1 : Tariff 1 2 : Tariff 2 3 : Tariff 3 4 : Tariff 4	-	U16
26369	0x6701	2	T1 - Ea+	kWh	U32
26371	0x6703	2	T2 - Ea+	kWh	U32
26373	0x6705	2	T3 - Ea+	kWh	U32
26375	0x6707	2	T4 - Ea+	kWh	U32
26377	0x6709	2	Reserved	-	-
26379	0x670B	2	Reserved	-	-
26381	0x670D	2	Reserved	-	-
26383	0x670F	2	Reserved	-	-
26385	0x6711	2	T1 - Ea-	kWh	U32
26387	0x6713	2	T2 - Ea-	kWh	U32
26389	0x6715	2	T3 - Ea-	kWh	U32
26391	0x6717	2	T4 - Ea-	kWh	U32
26393	0x6719	2	Reserved	-	-

26395	0x671B	2	Reserved	-	-
26397	0x671D	2	Reserved	-	-
26399	0x671F	2	Reserved	-	-

### Tariff meter (total) - Total (ER)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
26401	0x6721	Info	96	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
26401	0x6721	2	T1 - Er+	varh 10 <sup>3</sup>	U32
26403	0x6723	2	T2 - Er+	varh 10 <sup>3</sup>	U32
26405	0x6725	2	T3 - Er+	varh 10 <sup>3</sup>	U32
26407	0x6727	2	T4 - Er+	varh 10 <sup>3</sup>	U32
26409	0x6729	2	Reserved	-	-
26411	0x672B	2	Reserved	-	-
26413	0x672D	2	Reserved	-	-
26415	0x672F	2	Reserved	-	-
26417	0x6731	2	T1 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
26419	0x6733	2	T2 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
26421	0x6735	2	T3 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
26423	0x6737	2	T4 - Er+ (lagging)	varh 10 <sup>3</sup>	U32
26425	0x6739	2	Reserved	-	-
26427	0x673B	2	Reserved	-	-
26429	0x673D	2	Reserved	-	-
26431	0x673F	2	Reserved	-	-
26433	0x6741	2	T1 - Er+ (leading)	varh 10 <sup>3</sup>	U32
26435	0x6743	2	T2 - Er+ (leading)	varh 10 <sup>3</sup>	U32
26437	0x6745	2	T3 - Er+ (leading)	varh 10 <sup>3</sup>	U32
26439	0x6747	2	T4 - Er+ (leading)	varh 10 <sup>3</sup>	U32
26441	0x6749	2	Reserved	-	-
26443	0x674B	2	Reserved	-	-
26445	0x674D	2	Reserved	-	-
26447	0x674F	2	Reserved	-	-
26449	0x6751	2	T1 - Er-	varh 10 <sup>3</sup>	U32
26451	0x6753	2	T2 - Er-	varh 10 <sup>3</sup>	U32
26453	0x6755	2	T3 - Er-	varh 10 <sup>3</sup>	U32
26455	0x6757	2	T4 - Er-	varh 10 <sup>3</sup>	U32
26457	0x6759	2	Reserved	-	-
26459	0x675B	2	Reserved	-	-
26461	0x675D	2	Reserved	-	-
26463	0x675F	2	Reserved	-	-
26465	0x6761	2	T1 - Er- (lagging)	varh 10 <sup>3</sup>	U32
26467	0x6763	2	T2 - Er- (lagging)	varh 10 <sup>3</sup>	U32
26469	0x6765	2	T3 - Er- (lagging)	varh 10 <sup>3</sup>	U32
26471	0x6767	2	T4 - Er- (lagging)	varh 10 <sup>3</sup>	U32
26473	0x6769	2	Reserved	-	-
26475	0x676B	2	Reserved	-	-
26477	0x676D	2	Reserved	-	-
26479	0x676F	2	Reserved	-	-
26481	0x6771	2	T1 - Er- (leading)	varh 10 <sup>3</sup>	U32
26483	0x6773	2	T2 - Er- (leading)	varh 10 <sup>3</sup>	U32
26485	0x6775	2	T3 - Er- (leading)	varh 10 <sup>3</sup>	U32
26487	0x6777	2	T4 - Er- (leading)	varh 10 <sup>3</sup>	U32
26489	0x6779	2	Reserved	-	-
26491	0x677B	2	Reserved	-	-
26493	0x677D	2	Reserved	-	-
26495	0x677F	2	Reserved	-	-

### Tariff meter (total) - Total (ES)

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
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26497	0x6781	Info	16	NONE	READ	READ
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Dec address	Hex address	Words count	Description	Unit	Data type
26497	0x6781	2	T1 - Eap	kVAh	U32
26499	0x6783	2	T2 - Eap	kVAh	U32
26501	0x6785	2	T3 - Eap	kVAh	U32
26503	0x6787	2	T4 - Eap	kVAh	U32
26505	0x6789	2	Reserved	-	-
26507	0x678B	2	Reserved	-	-
26509	0x678D	2	Reserved	-	-
26511	0x678F	2	Reserved	-	-

### Partial active energy by tariff

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
32768	0x8000	Info	48	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
32768	0x8000	2	Partial positive active Energy : Ea+ Tariff 1	kWh	U32
32770	0x8002	1	Partial Residual positive active Energy : rEa+ Tariff 1	Wh 10 <sup>-1</sup>	U16
32771	0x8003	2	Partial positive active Energy : Ea+ Tariff 2	kWh	U32
32773	0x8005	1	Partial Residual positive active Energy : rEa+ Tariff 2	Wh 10 <sup>-1</sup>	U16
32774	0x8006	2	Partial positive active Energy : Ea+ Tariff 3	kWh	U32
32776	0x8008	1	Partial Residual positive active Energy : rEa+ Tariff 3	Wh 10 <sup>-1</sup>	U16
32777	0x8009	2	Partial positive active Energy : Ea+ Tariff 4	kWh	U32
32779	0x800B	1	Partial Residual positive active Energy : rEa+ Tariff 4	Wh 10 <sup>-1</sup>	U16
32780	0x800C	2	Reserved	-	-
32782	0x800E	1	Reserved	-	-
32783	0x800F	2	Reserved	-	-
32785	0x8011	1	Reserved	-	-
32786	0x8012	2	Reserved	-	-
32788	0x8014	1	Reserved	-	-
32789	0x8015	2	Reserved	-	-
32791	0x8017	1	Reserved	-	-
32792	0x8018	2	Partial negative active Energy : Ea- Tariff 1	kWh	U32
32794	0x801A	1	Partial Residual negative active Energy : rEa- Tariff 1	Wh 10 <sup>-1</sup>	U16
32795	0x801B	2	Partial negative active Energy : Ea- Tariff 2	kWh	U32
32797	0x801D	1	Partial Residual negative active Energy : rEa- Tariff 2	Wh 10 <sup>-1</sup>	U16
32798	0x801E	2	Partial negative active Energy : Ea- Tariff 3	kWh	U32
32800	0x8020	1	Partial Residual negative active Energy : rEa- Tariff 3	Wh 10 <sup>-1</sup>	U16
32801	0x8021	2	Partial negative active Energy : Ea- Tariff 4	kWh	U32
32803	0x8023	1	Partial Residual negative active Energy : rEa- Tariff 4	Wh 10 <sup>-1</sup>	U16
32804	0x8024	2	Reserved	-	-
32806	0x8026	1	Reserved	-	-
32807	0x8027	2	Reserved	-	-
32809	0x8029	1	Reserved	-	-
32810	0x802A	2	Reserved	-	-
32812	0x802C	1	Reserved	-	-
32813	0x802D	2	Reserved	-	-
32815	0x802F	1	Reserved	-	-

### Net energy consumption

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
33024	0x8100	Info	6	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
33024	0x8100	2	Net active energy consumption (?(Ea+-Ea-) by tariff)	kWh	S32
33026	0x8102	1	Net Residual active energy consumption (?(Ea+-Ea-) by tariff)	Wh 10 <sup>-1</sup>	S16
33027	0x8103	2	Net reactive energy consumption (?(Er+-Er-) by tariff)	varh 10 <sup>3</sup>	S32



33029	0x8105	1	Net Residual reactive energy consumption (?(Er+-Er-) by tariff)	varh 10 <sup>-1</sup>	S16
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## 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 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
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	-	DATETIME
61464	0xF018	1	Full/incomplete period 0 : full integration period 1 : incomplete integration period	-	U8
61465	0xF019	1	Value without CT*VT rate	W	U16

## Specific

### Table Overflow

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
36864	0x9000	Info	11	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
36864	0x9000	2	Value of the meter overflow (10Wh) : 999 999 999	Wh 10	U32
36866	0x9002	1	Nb Overflow Total Ea +	-	U8
36867	0x9003	1	Nb Overflow Total Er +	-	U8
36868	0x9004	1	Nb Overflow Total Ea -	-	U8
36869	0x9005	1	Nb Overflow Total Er -	-	U8
36870	0x9006	1	Nb Overflow Total Eap	-	U8

36871	0x9007	1	Nb Overflow Total Ea T1	-	U8
36872	0x9008	1	Nb Overflow Total Ea T2	-	U8
36873	0x9009	1	Nb Overflow Total Ea T3	-	U8
36874	0x900A	1	Nb Overflow Total Ea T4	-	U8

### Temporal Active Index

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
36896	0x9020	Info	24	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
36896	0x9020	2	Ea + for day n-1	kWh	U32
36898	0x9022	2	Ea - for day n-1	kWh	U32
36900	0x9024	2	Ea + for day n	kWh	U32
36902	0x9026	2	Ea - for day n	kWh	U32
36904	0x9028	2	Ea + for Week n-1	kWh	U32
36906	0x902A	2	Ea - for Week n-1	kWh	U32
36908	0x902C	2	Ea + for Week n	kWh	U32
36910	0x902E	2	Ea - for Week n	kWh	U32
36912	0x9030	2	Ea + for Month n-1	kWh	U32
36914	0x9032	2	Ea - for Month n-1	kWh	U32
36916	0x9034	2	Ea + for Month n	kWh	U32
36918	0x9036	2	Ea - for Month n	kWh	U32

### Temporal Active Index in Unit/100

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
36928	0x9040	Info	24	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
36928	0x9040	2	Ea + for day n-1	Wh 10	U32
36930	0x9042	2	Ea - for day n-1	Wh 10	U32
36932	0x9044	2	Ea + for day n	Wh 10	U32
36934	0x9046	2	Ea - for day n	Wh 10	U32
36936	0x9048	2	Ea + for Week n-1	Wh 10	U32
36938	0x904A	2	Ea - for Week n-1	Wh 10	U32
36940	0x904C	2	Ea + for Week n	Wh 10	U32
36942	0x904E	2	Ea - for Week n	Wh 10	U32
36944	0x9050	2	Ea + for Month n-1	Wh 10	U32
36946	0x9052	2	Ea - for Month n-1	Wh 10	U32
36948	0x9054	2	Ea + for Month n	Wh 10	U32
36950	0x9056	2	Ea - for Month n	Wh 10	U32

### Current without CT

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
40576	0x9E80	Info	6	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
40576	0x9E80	2	Current: I1	mA	U32
40578	0x9E82	2	Current: I2	mA	U32
40580	0x9E84	2	Current: I3	mA	U32

## Settings

### Gateway

### Network

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29184	0x7200	Settings	7	USER	READ	READ   WRITE   WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
29184	0x7200	2	IP address	-	U32_IP
29186	0x7202	2	Subnet mask	-	U32_IP
29188	0x7204	2	Gateway	-	U32_IP
29190	0x7206	1	DHCP Enable	-	U8

## Modbus slave

### General slave connection

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29440	0x7300	Settings	1	USER	READ	READ   WRITE   WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
29440	0x7300	1	Slave Address	-	U8

## Measurement

### Electrical network

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57344	0xE000	Settings	10	NONE	READ   WRITE   WRITE_MANY	READ   WRITE   WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
57344	0xE000	1	Network Type : 0 : 1P+N (1BL) 1 : 2P (2BL) 2 : 3P (3BL) 3 : 3P (3NBL) 4 : 3P+N (4BL) 5 : 3P+N (4NBL)	-	U8
57345	0xE001	1	Current Transformer secondary : 1 : 1 A 5 : 5 A	-	U8
57346	0xE002	1	Current Transformer primary	A	U16
57347	0xE003	1	Reserved	-	-
57348	0xE004	1	Reserved	-	-
57349	0xE005	1	Reserved	-	-
57350	0xE006	1	Reserved	-	-
57351	0xE007	1	Reserved	-	-
57352	0xE008	2	Reserved	-	-

### Energy measurement

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57354	0xE00A	Settings	2	NONE	READ	READ   WRITE   WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
57354	0xE00A	1	Internal/External Top 0 : internal 1 : external	-	U8

57355	0xE00B	1	Synchronisation Top for P+/- Q+/- : time in seconds ( 1mn, 5mn, 8mn, 10mn, 15mn, 20mn, 30mn, 60mn) 60 : 1 min 120 : 2 min 180 : 3 min 240 : 4 min 300 : 5 min 360 : 6 min 480 : 8 min 600 : 10 min 720 : 12 min 900 : 15 min 1200 : 20 min 1800 : 30 min 3600 : 60 min	s	U16
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## Time management

### Date and time

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
57600	0xE100	Settings	6	USER	READ	READ   WRITE   WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
57600	0xE100	1	Day	-	U8
57601	0xE101	1	Month	-	U8
57602	0xE102	1	Year	-	U16
57603	0xE103	1	Hour	-	U8
57604	0xE104	1	Minute	-	U8
57605	0xE105	1	Second	-	U8

### Date and time extended

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
29952	0x7500	Settings	7	NONE	READ	READ   WRITE   WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
29952	0x7500	1	Day	-	U16
29953	0x7501	1	Month	-	U16
29954	0x7502	1	Year	-	U16
29955	0x7503	1	Hour	h	U16
29956	0x7504	1	Minute	min	U16
29957	0x7505	1	Second	s	U16
29958	0x7506	1	Millisecond	s 10 <sup>-3</sup>	U16

### Time synchro and SNTP server

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
30208	0x7600	Settings	27	USER	READ	READ   WRITE   WRITE_MANY

Dec address	Hex address	Words count	Description	Unit	Data type
30208	0x7600	1	Activation 0 : Disabled 1 : Enabled	-	U16
30209	0x7601	25	SNTP server IP address	-	STRING_NORM

## Commands

### Set Tariff

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Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
40480	0x9E20	Commands	2	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
40480	0x9E20	1	Reserved	-	-
40481	0x9E21	1	Tariff Number to set 1 : Tariff 1 2 : Tariff 2 3 : Tariff 3 4 : Tariff 4	-	U8

## System

### Action system

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

Dec address	Hex address	Words count	Description	Unit	Data type
57856	0xE200	1	Reserved	-	-

## Reset

### Value reset

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

Dec address	Hex address	Words count	Description	Unit	Data type
57888	0xE220	1	Reserved	-	-
57889	0xE221	1	Reserved	-	-
57890	0xE222	1	Reset Partial Energies 0x0000 : None 0x0001 : Partial Ea+ 0x0002 : Partial Er+ 0x0004 : Partial Eap 0x0008 : Partial Ea- 0x0010 : Partial Er- 0x001F : Reset ALL TOT Partial	-	U16_HEX
57891	0xE223	1	Reserved	-	-
57892	0xE224	1	Reset Tarif Partial Energies 0x0000 : None 0x0001 : Tariff counter 1 0x0002 : Tariff counter 2 0x0004 : Tariff counter 3 0x0008 : Tariff counter 4 0xFFFF : Reset All Partial	-	U16_HEX

### Partial Energies Reset

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
40512	0x9E40	Commands	1	NONE	WRITE	WRITE

Dec address	Hex address	Words count	Description	Unit	Data type
40512	0x9E40	1	Reset 0x00 : None 0x01 : Max P 0x20 : Partial Energies	-	U8_HEX

## Industrialization

### Indus Mode and MID status

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Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
40544	0x9E60	Info	2	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
40544	0x9E60	1	Indus Mode (0: indus mode disabled, 1: indus mode enabled)	-	U8
40545	0x9E61	1	MID status (0: non-MID product, 1: MID product)	-	U8

**COM Board Product ID**

Dec start address	Hex start address	Type	Size	Lock level	Locked fcts	Unlocked fcts
40608	0x9EA0	Info	1	NONE	READ	READ

Dec address	Hex address	Words count	Description	Unit	Data type
40608	0x9EA0	1	Product ID :0x01: E3x/E4x COM Board0x02: E63 COM Board	-	U8